

## ภาคผนวก ค

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ใบรับรองผลการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อม

# ภาคผนวก ค-1

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ใบรับรองผลการตรวจวัดคุณภาพอากาศในบรรยากาศ



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573085**

Date Received : Sep 30, 2025  
Date Reported : Oct 07, 2025  
Report Number: 3422616-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** โรงเรียนบ้านโนนมะเฟือง (A1) (GPS 48P 220068, 1725498)  
**Date Analysis Commenced** Sep 30, 2025  
**Condition of Sample** Drawn into two filter papers placed in each cassette

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (ug/m3)	Particulate Matter (PM-10) (ug/m3)
		Pressure (mm Hg)	Temperature (°C)		
2573085-1	Sep 19 - Sep 20, 2025	740	27.1	16.6	12.5
2573085-2	Sep 20 - Sep 21, 2025	740	31.8	17.0	13.8
2573085-3	Sep 21 - Sep 22, 2025	740	33.6	18.2	14.3
2573085-4	Sep 22 - Sep 23, 2025	740	34.7	18.8	14.6
2573085-5	Sep 23 - Sep 24, 2025	740	32.1	15.6	12.6
2573085-6	Sep 24 - Sep 25, 2025	740	30.4	15.2	12.2
2573085-7	Sep 25 - Sep 26, 2025	740	32.4	24.8	17.0
<b>Guideline</b>		-	-	330	120

### Reference Method

Total Suspended Particulate : In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)  
Particulate Matter (PM-10) : In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)

**Guideline :** Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

**Sampled By :** Pongsaton Chaitip

Approved by

  
Tanyatorn Mongkonjirawut  
Supervisor

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



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573085**

Date Received : Sep 30, 2025  
Date Reported : Oct 07, 2025  
Report Number: 3422617-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** โรงเรียนบ้านดอนหันโนนเพ็ด (A2) (GPS 48P 220760, 1729295)  
**Date Analysis Commenced** Sep 30, 2025  
**Condition of Sample** Drawn into two filter papers placed in each cassette

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (ug/m3)	Particulate Matter (PM-10) (ug/m3)
		Pressure (mm Hg)	Temperature (°C)		
2573085-8	Sep 19 - Sep 20, 2025	740	27.1	16.7	12.6
2573085-9	Sep 20 - Sep 21, 2025	740	31.8	17.6	14.4
2573085-10	Sep 21 - Sep 22, 2025	740	33.6	19.3	14.4
2573085-11	Sep 22 - Sep 23, 2025	740	34.7	21.6	14.4
2573085-12	Sep 23 - Sep 24, 2025	740	32.1	19.2	13.6
2573085-13	Sep 24 - Sep 25, 2025	740	30.4	19.7	14.9
2573085-14	Sep 25 - Sep 26, 2025	740	32.4	22.7	14.3
<b>Guideline</b>		-	-	330	120

### Reference Method

Total Suspended Particulate : In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)  
Particulate Matter (PM-10) : In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)

**Guideline :** Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

**Sampled By :** Pongsaton Chaitip

Approved by

  
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Supervisor

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573085**

Date Received : Sep 30, 2025  
Date Reported : Oct 07, 2025  
Report Number: 3422619-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** วัดบ้านหนองนาง (N2) (GPS 48P 222057, 1726541)  
**Date Analysis Commenced** Sep 30, 2025  
**Condition of Sample** Drawn into two filter papers placed in each cassette

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (ug/m3)	Particulate Matter (PM-10) (ug/m3)
		Pressure (mm Hg)	Temperature (°C)		
2573085-15	Sep 19 - Sep 20, 2025	740	27.1	17.6	14.7
2573085-16	Sep 20 - Sep 21, 2025	740	31.8	18.9	16.0
2573085-17	Sep 21 - Sep 22, 2025	740	33.6	28.0	21.2
2573085-18	Sep 22 - Sep 23, 2025	740	34.7	24.0	18.5
2573085-19	Sep 23 - Sep 24, 2025	740	32.1	18.5	14.3
2573085-20	Sep 24 - Sep 25, 2025	740	30.4	22.2	11.9
2573085-21	Sep 25 - Sep 26, 2025	740	32.4	26.9	17.3
<b>Guideline</b>		-	-	330	120

### Reference Method

Total Suspended Particulate : In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)  
Particulate Matter (PM-10) : In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)

**Guideline :** Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

**Sampled By :** Pongsaton Chaitip

Approved by

  
Tanyatorn Mongkonjirawut  
Supervisor

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573085**

Date Received : Sep 30, 2025  
Date Reported : Oct 07, 2025  
Report Number: 3422620-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** วัดป่าประชาธรรมนิคม (A4) (GPS 48P 222210, 1727910)  
**Date Analysis Commenced** Sep 30, 2025  
**Condition of Sample** Drawn into two filter papers placed in each cassette

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (ug/m3)	Particulate Matter (PM-10) (ug/m3)
		Pressure (mm Hg)	Temperature (°C)		
2573085-22	Sep 19 - Sep 20, 2025	740	27.1	15.6	11.8
2573085-23	Sep 20 - Sep 21, 2025	740	31.8	17.1	13.5
2573085-24	Sep 21 - Sep 22, 2025	740	33.6	23.4	15.9
2573085-25	Sep 22 - Sep 23, 2025	740	34.7	28.0	17.1
2573085-26	Sep 23 - Sep 24, 2025	740	32.1	16.3	11.7
2573085-27	Sep 24 - Sep 25, 2025	740	30.4	20.3	14.7
2573085-28	Sep 25 - Sep 26, 2025	740	32.4	27.4	15.4
<b>Guideline</b>		-	-	330	120

### Reference Method

Total Suspended Particulate : In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)  
Particulate Matter (PM-10) : In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)

**Guideline :** Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

**Sampled By :** Pongsaton Chaitip

Approved by

  
Tanyatorn Mongkonjirawut  
Supervisor

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573084**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3417527-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	โรงเรียนบ้านโนนมะเฟือง (A1)						
<b>Parameter</b>	Sulfur Dioxide (ug/m3)						
<b>Measurement Date</b>	Sep 19, 2025 - Sep 26, 2025						
<b>Measurement by</b>	Pongsaton Chaitip						
Time	2573084-1 Sep 19, 2025	2573084-2 Sep 20, 2025	2573084-3 Sep 21, 2025	2573084-4 Sep 22, 2025	2573084-5 Sep 23, 2025	2573084-6 Sep 24, 2025	2573084-7 Sep 25, 2025
12:00 PM - 01:00 PM	11.0	10.7	10.2	10.7	11.0	10.7	11.0
01:00 PM - 02:00 PM	11.3	10.7	10.2	11.0	11.0	11.0	11.0
02:00 PM - 03:00 PM	10.7	10.7	10.2	11.0	10.7	11.0	11.0
03:00 PM - 04:00 PM	10.5	10.7	10.2	11.0	10.5	10.7	10.7
04:00 PM - 05:00 PM	10.2	10.7	10.2	10.5	10.2	10.5	10.5
05:00 PM - 06:00 PM	10.2	11.0	10.2	10.2	10.2	10.2	10.5
06:00 PM - 07:00 PM	10.2	11.0	10.2	10.2	9.9	10.2	10.5
07:00 PM - 08:00 PM	10.2	11.0	10.2	10.2	10.2	10.2	10.5
08:00 PM - 09:00 PM	10.5	11.0	10.2	10.2	10.2	10.2	10.5
09:00 PM - 10:00 PM	10.5	10.7	10.5	10.2	10.2	10.2	10.5
10:00 PM - 11:00 PM	10.2	10.7	10.2	10.5	10.2	10.2	10.5
11:00 PM - 12:00 AM	10.2	10.7	10.2	10.2	9.9	10.2	10.5
12:00 AM - 01:00 AM	10.2	10.7	10.2	10.2	10.2	10.2	10.7
01:00 AM - 02:00 AM	9.9	10.5	10.5	10.5	10.2	10.2	10.7
02:00 AM - 03:00 AM	9.9	10.5	10.2	10.2	10.2	10.5	10.7
03:00 AM - 04:00 AM	9.9	10.5	10.2	10.2	10.5	10.5	10.7
04:00 AM - 05:00 AM	9.9	10.5	10.2	10.2	10.5	10.5	10.5
05:00 AM - 06:00 AM	9.9	10.2	10.2	10.2	10.5	10.5	10.5
06:00 AM - 07:00 AM	10.2	10.2	10.5	10.5	10.5	10.7	10.7
07:00 AM - 08:00 AM	9.9	10.2	10.2	10.5	10.5	10.7	10.7
08:00 AM - 09:00 AM	10.2	10.2	10.5	10.5	10.7	10.7	10.7
09:00 AM - 10:00 AM	10.5	10.5	10.5	10.5	10.7	10.7	10.2
10:00 AM - 11:00 AM	10.5	10.5	10.5	10.5	10.7	11.0	10.2
11:00 AM - 12:00 PM	10.5	10.2	10.5	10.7	10.5	11.0	10.5
Average (24 hrs)	10.3	10.6	10.3	10.4	10.4	10.5	10.6
1hr - Maximum	11.3	11.0	10.5	11.0	11.0	11.0	11.0
Standard (1) 1hr - Average	780	780	780	780	780	780	780
Standard (2) Average 24 hrs.	300	300	300	300	300	300	300

Standard : (1) Notification of the National Environment Board No.21, 2001 (B.E.2544)

(2) Notification of the National Environment Board No.10, 1995 (B.E.2538), Notification of the National Environment Board No.24, 2004 B.E.2547)

Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573084**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3417528-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	โรงเรียนบ้านดอนหันโนนเพ็ด (A2)						
<b>Parameter</b>	Sulfur Dioxide (ug/m3)						
<b>Measurement Date</b>	Sep 19, 2025 - Sep 26, 2025						
<b>Measurement by</b>	Pongsaton Chaitip						
Time	2573084-8 Sep 19, 2025	2573084-9 Sep 20, 2025	2573084-10 Sep 21, 2025	2573084-11 Sep 22, 2025	2573084-12 Sep 23, 2025	2573084-13 Sep 24, 2025	2573084-14 Sep 25, 2025
10:00 AM - 11:00 AM	11.0	11.0	11.0	10.7	10.5	10.5	10.7
11:00 AM - 12:00 PM	11.3	10.7	11.0	10.7	10.2	10.5	10.5
12:00 PM - 01:00 PM	11.8	10.7	11.0	10.7	10.5	10.5	10.7
01:00 PM - 02:00 PM	11.5	11.0	11.0	10.7	10.5	10.5	10.7
02:00 PM - 03:00 PM	11.5	10.7	11.0	10.5	10.5	10.5	10.5
03:00 PM - 04:00 PM	11.5	10.7	11.0	10.5	10.5	10.5	10.5
04:00 PM - 05:00 PM	11.5	10.7	11.0	10.5	10.5	10.5	10.5
05:00 PM - 06:00 PM	11.3	10.7	11.0	10.5	10.5	10.7	10.7
06:00 PM - 07:00 PM	11.3	11.3	11.3	10.5	10.5	10.5	10.7
07:00 PM - 08:00 PM	11.3	11.3	11.0	10.5	10.5	10.5	10.7
08:00 PM - 09:00 PM	11.3	11.3	11.0	10.7	10.7	10.5	10.7
09:00 PM - 10:00 PM	11.3	11.5	11.0	10.5	10.5	10.5	10.7
10:00 PM - 11:00 PM	11.3	11.3	11.0	10.5	10.5	10.5	10.7
11:00 PM - 12:00 AM	11.3	11.3	11.0	10.5	10.5	10.5	10.7
12:00 AM - 01:00 AM	11.3	11.3	10.7	10.5	10.5	10.5	10.7
01:00 AM - 02:00 AM	11.3	11.3	10.7	10.5	10.5	10.7	10.7
02:00 AM - 03:00 AM	11.3	11.3	11.0	10.5	10.5	10.7	10.7
03:00 AM - 04:00 AM	11.3	11.3	11.0	10.5	10.5	10.5	10.7
04:00 AM - 05:00 AM	11.0	11.3	11.0	10.5	10.5	10.7	10.7
05:00 AM - 06:00 AM	11.0	11.3	11.0	10.5	10.5	10.5	10.7
06:00 AM - 07:00 AM	11.0	11.3	11.0	10.5	10.5	10.7	10.7
07:00 AM - 08:00 AM	11.0	11.0	10.7	10.5	10.5	10.7	10.7
08:00 AM - 09:00 AM	11.0	11.3	11.0	10.5	10.5	10.7	10.7
09:00 AM - 10:00 AM	11.0	11.0	11.0	10.5	10.5	10.7	10.7
Average (24 hrs)	11.2	11.1	11.0	10.5	10.5	10.6	10.7
1hr - Maximum	11.8	11.5	11.3	10.7	10.7	10.7	10.7
Standard (1) 1hr - Average	780	780	780	780	780	780	780
Standard (2) Average 24 hrs.	300	300	300	300	300	300	300

Standard : (1) Notification of the National Environment Board No.21, 2001 (B.E.2544)

(2) Notification of the National Environment Board No.10, 1995 (B.E.2538), Notification of the National Environment Board No.24, 2004 B.E.2547)

Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573084**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3417530-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดบ้านหนองแขวง (N2)						
<b>Parameter</b>	Sulfur Dioxide (ug/m3)						
<b>Measurement Date</b>	Sep 19, 2025 - Sep 26, 2025						
<b>Measurement by</b>	Pongsaton Chaitip						
Time	2573084-15 Sep 19, 2025	2573084-16 Sep 20, 2025	2573084-17 Sep 21, 2025	2573084-18 Sep 22, 2025	2573084-19 Sep 23, 2025	2573084-20 Sep 24, 2025	2573084-21 Sep 25, 2025
01:00 PM - 02:00 PM	19.6	22.3	22.5	22.3	22.3	22.3	22.5
02:00 PM - 03:00 PM	19.6	22.0	22.3	12.0	22.3	22.0	22.8
03:00 PM - 04:00 PM	20.2	22.3	22.3	22.0	22.3	22.0	23.0
04:00 PM - 05:00 PM	20.7	22.3	22.3	21.7	22.3	21.7	22.8
05:00 PM - 06:00 PM	20.7	22.0	21.7	21.7	22.0	22.0	22.5
06:00 PM - 07:00 PM	20.9	22.0	22.0	21.7	22.0	21.7	22.3
07:00 PM - 08:00 PM	20.9	22.0	21.7	21.7	22.0	22.0	22.3
08:00 PM - 09:00 PM	20.9	22.0	21.7	21.7	21.7	21.7	22.3
09:00 PM - 10:00 PM	20.9	22.0	21.7	21.7	21.7	21.7	22.3
10:00 PM - 11:00 PM	21.2	22.0	21.7	21.7	21.7	21.7	22.3
11:00 PM - 12:00 AM	20.9	22.0	21.7	21.7	21.7	21.7	22.3
12:00 AM - 01:00 AM	21.2	22.0	22.0	21.7	21.5	22.0	22.0
01:00 AM - 02:00 AM	21.2	22.0	22.0	21.7	21.7	22.0	22.3
02:00 AM - 03:00 AM	21.2	22.0	21.7	21.7	21.7	21.7	22.3
03:00 AM - 04:00 AM	21.2	22.0	22.0	22.0	21.7	21.7	22.3
04:00 AM - 05:00 AM	21.5	22.0	22.0	21.7	21.7	22.0	22.3
05:00 AM - 06:00 AM	21.5	22.0	22.0	21.7	21.7	21.7	22.3
06:00 AM - 07:00 AM	21.5	22.0	22.0	21.7	21.7	21.7	22.3
07:00 AM - 08:00 AM	21.5	22.0	21.7	21.7	21.7	21.7	22.3
08:00 AM - 09:00 AM	21.5	22.0	21.7	21.7	21.7	22.0	22.3
09:00 AM - 10:00 AM	21.7	22.3	22.0	21.7	21.5	21.7	22.3
10:00 AM - 11:00 AM	21.7	22.3	22.0	22.0	22.3	22.0	22.5
11:00 AM - 12:00 PM	21.7	22.5	22.0	22.0	22.3	21.7	22.5
12:00 PM - 01:00 PM	22.0	22.5	22.3	22.3	22.3	22.0	22.5
Average (24 hrs)	21.1	22.1	22.0	21.4	21.9	21.9	22.4
1hr - Maximum	22.0	22.5	22.5	22.3	22.3	22.3	23.0
Standard (1) 1hr - Average	780	780	780	780	780	780	780
Standard (2) Average 24 hrs.	300	300	300	300	300	300	300

Standard : (1) Notification of the National Environment Board No.21, 2001 (B.E.2544)

(2) Notification of the National Environment Board No.10, 1995 (B.E.2538), Notification of the National Environment Board No.24, 2004 B.E.2547)

Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573084**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3374407-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดป่าประชาธรรมนิคม (A4)						
<b>Parameter</b>	Sulfur Dioxide (ug/m3)						
<b>Measurement Date</b>	Sep 19, 2025 - Sep 26, 2025						
<b>Measurement by</b>	Pongsaton Chaitip						
Time	2573084-22 Sep 19, 2025	2573084-23 Sep 20, 2025	2573084-24 Sep 21, 2025	2573084-25 Sep 22, 2025	2573084-26 Sep 23, 2025	2573084-27 Sep 24, 2025	2573084-28 Sep 25, 2025
11:00 AM - 12:00 PM	16.5	16.0	15.4	15.7	16.0	13.9	15.2
12:00 PM - 01:00 PM	16.5	16.0	15.7	15.7	16.0	15.4	15.4
01:00 PM - 02:00 PM	16.2	16.0	15.7	15.7	16.0	15.4	14.9
02:00 PM - 03:00 PM	16.8	16.0	15.7	15.7	15.7	15.4	15.2
03:00 PM - 04:00 PM	16.5	16.0	16.0	15.7	15.7	15.4	15.2
04:00 PM - 05:00 PM	16.5	16.0	15.7	15.7	15.7	15.4	15.4
05:00 PM - 06:00 PM	16.5	16.0	15.7	16.0	15.7	15.4	15.4
06:00 PM - 07:00 PM	16.8	16.0	15.7	16.0	16.0	15.7	15.4
07:00 PM - 08:00 PM	16.5	16.0	15.7	16.2	16.0	15.7	15.4
08:00 PM - 09:00 PM	16.5	16.0	15.7	16.0	16.0	15.4	15.4
09:00 PM - 10:00 PM	16.5	16.2	16.0	16.0	16.0	15.7	15.4
10:00 PM - 11:00 PM	16.5	16.2	16.0	16.0	16.0	15.7	15.4
11:00 PM - 12:00 AM	16.2	16.2	16.0	16.0	15.7	15.7	15.4
12:00 AM - 01:00 AM	16.5	16.5	16.0	16.2	15.7	15.7	15.4
01:00 AM - 02:00 AM	16.5	16.2	16.0	16.0	15.7	15.7	15.4
02:00 AM - 03:00 AM	16.5	16.2	16.2	16.0	15.7	15.7	15.4
03:00 AM - 04:00 AM	16.5	16.5	16.2	16.0	16.0	15.7	15.4
04:00 AM - 05:00 AM	16.5	16.2	16.2	16.0	16.0	15.7	15.4
05:00 AM - 06:00 AM	16.5	16.2	16.2	16.2	15.7	15.7	15.7
06:00 AM - 07:00 AM	16.5	16.2	16.2	16.2	15.7	15.7	15.4
07:00 AM - 08:00 AM	16.5	16.2	16.2	16.2	15.7	15.7	15.7
08:00 AM - 09:00 AM	16.5	16.2	16.2	16.2	15.7	15.7	15.4
09:00 AM - 10:00 AM	16.5	16.2	16.0	16.0	15.7	15.4	15.4
10:00 AM - 11:00 AM	16.2	16.0	16.0	16.0	15.7	15.4	15.4
Average (24 hrs)	16.5	16.1	15.9	16.0	15.8	15.5	15.4
1hr - Maximum	16.8	16.5	16.2	16.2	16.0	15.7	15.7
Standard (1) 1hr - Average	780	780	780	780	780	780	780
Standard (2) Average 24 hrs.	300	300	300	300	300	300	300

Standard : (1) Notification of the National Environment Board No.21, 2001 (B.E.2544)

(2) Notification of the National Environment Board No.10, 1995 (B.E.2538), Notification of the National Environment Board No.24, 2004 B.E.2547)

Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573074**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3417531-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** โรงเรียนบ้านโนนมะเฟือง (A1)  
**Parameter** Nitrogen dioxide (ug/m3)  
**Measurement Date** Sep 19, 2025 - Sep 26, 2025  
**Measurement by** Pongsaton Chaitip

Time	2573074-1 Sep 19, 2025	2573074-2 Sep 20, 2025	2573074-3 Sep 21, 2025	2573074-4 Sep 22, 2025	2573074-5 Sep 23, 2025	2573074-6 Sep 24, 2025	2573074-7 Sep 25, 2025
12:00 PM - 01:00 PM	2.1	0.4	0.4	0.2	0.2	0.8	0.9
01:00 PM - 02:00 PM	2.1	<0.2	0.4	0.4	0.4	0.8	1.1
02:00 PM - 03:00 PM	1.1	0.8	0.4	0.6	0.4	0.6	0.8
03:00 PM - 04:00 PM	0.9	5.1	<0.2	0.6	1.1	0.2	0.8
04:00 PM - 05:00 PM	5.1	1.7	0.6	1.1	1.1	0.8	5.8
05:00 PM - 06:00 PM	0.9	1.7	1.3	1.1	1.1	0.6	0.8
06:00 PM - 07:00 PM	0.8	1.5	0.4	2.1	1.1	0.4	0.4
07:00 PM - 08:00 PM	1.3	0.9	0.8	1.3	1.1	0.6	0.4
08:00 PM - 09:00 PM	1.7	0.8	0.9	0.9	1.5	0.4	0.6
09:00 PM - 10:00 PM	1.1	1.1	0.8	0.6	0.9	0.6	0.6
10:00 PM - 11:00 PM	1.1	1.1	0.6	0.6	0.8	0.4	0.4
11:00 PM - 12:00 AM	0.9	1.1	0.6	0.8	1.1	0.6	0.6
12:00 AM - 01:00 AM	1.1	0.8	<0.2	0.8	1.1	0.4	0.8
01:00 AM - 02:00 AM	0.6	0.8	0.4	0.4	0.9	<0.2	0.9
02:00 AM - 03:00 AM	0.6	0.8	2.3	0.6	0.9	0.8	1.1
03:00 AM - 04:00 AM	0.4	0.9	0.2	0.2	0.6	1.1	1.1
04:00 AM - 05:00 AM	0.6	5.8	0.4	0.2	0.6	1.1	1.5
05:00 AM - 06:00 AM	6.8	6.2	0.4	0.2	3.4	1.7	2.3
06:00 AM - 07:00 AM	0.8	1.7	0.4	0.4	0.6	5.6	2.4
07:00 AM - 08:00 AM	0.8	0.9	0.4	0.8	0.4	2.6	1.9
08:00 AM - 09:00 AM	0.4	0.8	1.1	0.8	0.4	1.7	1.5
09:00 AM - 10:00 AM	<0.2	0.8	0.4	0.6	0.4	1.3	4.5
10:00 AM - 11:00 AM	0.2	0.6	0.9	0.8	0.4	0.9	1.5
11:00 AM - 12:00 PM	0.8	<0.2	0.2	0.8	1.1	1.1	0.9
Average (24 hrs)	1.4	1.6	0.6	0.7	0.9	1.1	1.4
1hr - Maximum	6.8	6.2	2.3	2.1	3.4	5.6	5.8
Standard (1) 1hr - Average	320	320	320	320	320	320	320
Standard (2) Average 24 hrs.	-	-	-	-	-	-	-

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

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

Approved by

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573074**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3417532-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	โรงเรียนบ้านดอนหันโนนเพ็ด (A2)						
<b>Parameter</b>	Nitrogen dioxide (ug/m3)						
<b>Measurement Date</b>	Sep 19, 2025 - Sep 26, 2025						
<b>Measurement by</b>	Pongsaton Chaitip						
Time	2573074-8 Sep 19, 2025	2573074-9 Sep 20, 2025	2573074-10 Sep 21, 2025	2573074-11 Sep 22, 2025	2573074-12 Sep 23, 2025	2573074-13 Sep 24, 2025	2573074-14 Sep 25, 2025
10:00 AM - 11:00 AM	0.6	1.1	0.8	1.3	1.3	2.1	2.3
11:00 AM - 12:00 PM	0.9	0.8	0.6	1.1	0.9	1.7	2.1
12:00 PM - 01:00 PM	0.8	0.6	0.6	0.9	1.1	1.3	1.7
01:00 PM - 02:00 PM	0.6	0.6	0.8	0.9	0.8	0.8	0.9
02:00 PM - 03:00 PM	0.4	0.6	1.1	1.3	0.9	0.8	1.1
03:00 PM - 04:00 PM	0.4	0.6	0.8	0.9	0.8	1.1	0.9
04:00 PM - 05:00 PM	0.6	0.4	0.9	0.8	0.9	1.3	0.8
05:00 PM - 06:00 PM	0.6	1.9	1.1	0.4	1.5	2.1	0.9
06:00 PM - 07:00 PM	0.9	4.1	2.3	0.6	1.3	2.4	1.9
07:00 PM - 08:00 PM	2.3	2.1	2.1	1.3	1.9	2.8	2.1
08:00 PM - 09:00 PM	0.4	1.7	1.7	0.6	1.3	2.3	1.3
09:00 PM - 10:00 PM	0.4	1.1	1.5	0.8	<0.2	0.9	1.1
10:00 PM - 11:00 PM	1.5	1.7	1.3	1.1	0.4	1.1	1.1
11:00 PM - 12:00 AM	1.5	2.1	1.1	0.4	0.4	0.8	2.1
12:00 AM - 01:00 AM	1.1	1.5	0.8	0.4	0.4	0.8	2.1
01:00 AM - 02:00 AM	1.3	2.1	0.8	0.4	0.8	0.9	2.1
02:00 AM - 03:00 AM	0.9	1.3	1.1	0.2	0.8	0.9	1.9
03:00 AM - 04:00 AM	1.1	1.1	1.3	0.2	0.8	1.1	1.9
04:00 AM - 05:00 AM	0.9	1.1	1.7	0.6	0.8	1.3	1.5
05:00 AM - 06:00 AM	0.8	1.1	2.1	0.9	1.1	2.3	2.3
06:00 AM - 07:00 AM	0.8	1.7	2.8	1.1	1.3	2.6	2.6
07:00 AM - 08:00 AM	1.9	1.7	2.4	1.5	1.9	2.4	2.8
08:00 AM - 09:00 AM	2.3	1.1	2.1	1.5	1.5	2.3	2.6
09:00 AM - 10:00 AM	1.3	0.8	1.7	1.1	1.7	2.3	2.4
Average (24 hrs)	1.0	1.4	1.4	0.8	1.1	1.6	1.8
1hr - Maximum	2.3	4.1	2.8	1.5	1.9	2.8	2.8
Standard (1) 1hr - Average	320	320	320	320	320	320	320
Standard (2) Average 24 hrs.	-	-	-	-	-	-	-

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

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

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573074**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3417534-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดบ้านหนองแขวง (N2)						
<b>Parameter</b>	Nitrogen dioxide (ug/m3)						
<b>Measurement Date</b>	Sep 19, 2025 - Sep 26, 2025						
<b>Measurement by</b>	Pongsaton Chaitip						
Time	2573074-15 Sep 19, 2025	2573074-16 Sep 20, 2025	2573074-17 Sep 21, 2025	2573074-18 Sep 22, 2025	2573074-19 Sep 23, 2025	2573074-20 Sep 24, 2025	2573074-21 Sep 25, 2025
01:00 PM - 02:00 PM	3.6	0.8	0.9	0.9	1.3	2.4	1.1
02:00 PM - 03:00 PM	2.6	0.6	0.8	4.0	1.1	1.3	1.1
03:00 PM - 04:00 PM	2.1	0.4	1.1	3.6	1.1	2.4	0.8
04:00 PM - 05:00 PM	4.1	0.8	1.1	3.0	1.9	4.9	0.8
05:00 PM - 06:00 PM	5.6	0.6	0.9	2.6	2.3	2.8	1.9
06:00 PM - 07:00 PM	7.0	2.1	1.7	1.3	2.3	3.0	3.4
07:00 PM - 08:00 PM	10.0	1.5	2.1	0.4	1.7	2.1	1.5
08:00 PM - 09:00 PM	5.8	1.1	1.7	2.4	0.4	0.9	1.1
09:00 PM - 10:00 PM	2.4	1.5	3.0	0.6	0.4	1.7	1.5
10:00 PM - 11:00 PM	3.4	4.1	3.2	0.4	0.2	1.1	2.3
11:00 PM - 12:00 AM	1.9	1.7	6.6	0.4	1.1	0.8	2.4
12:00 AM - 01:00 AM	1.5	1.5	2.6	0.4	1.9	0.9	2.3
01:00 AM - 02:00 AM	2.4	1.7	1.7	0.4	2.1	0.8	2.3
02:00 AM - 03:00 AM	2.6	1.5	1.1	0.6	1.7	1.1	2.6
03:00 AM - 04:00 AM	4.0	1.5	1.3	0.9	1.5	1.9	4.1
04:00 AM - 05:00 AM	7.2	1.5	1.9	2.1	2.1	2.3	4.5
05:00 AM - 06:00 AM	7.5	1.9	2.8	2.1	2.3	3.2	4.0
06:00 AM - 07:00 AM	5.3	2.4	3.2	1.5	2.1	5.1	3.8
07:00 AM - 08:00 AM	4.5	4.0	2.6	2.3	2.1	3.6	4.0
08:00 AM - 09:00 AM	2.3	1.7	2.8	1.5	2.6	3.2	3.6
09:00 AM - 10:00 AM	1.3	2.1	3.0	1.7	3.2	3.2	3.8
10:00 AM - 11:00 AM	1.1	1.1	2.4	1.9	3.6	2.6	3.6
11:00 AM - 12:00 PM	1.3	0.9	2.4	1.5	1.9	2.8	4.1
12:00 PM - 01:00 PM	1.1	1.1	1.5	0.8	3.0	1.5	3.6
Average (24 hrs)	3.8	1.6	2.2	1.5	1.8	2.3	2.7
1hr - Maximum	10.0	4.1	6.6	4.0	3.6	5.1	4.5
Standard (1) 1hr - Average	320	320	320	320	320	320	320
Standard (2) Average 24 hrs.	-	-	-	-	-	-	-

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

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

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573074**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3374405-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดป่าประชาธรรมนิคม (A4)						
<b>Parameter</b>	Nitrogen dioxide (ug/m3)						
<b>Measurement Date</b>	Sep 19, 2025 - Sep 26, 2025						
<b>Measurement by</b>	Pongsaton Chaitip						
Time	2573074-22 Sep 19, 2025	2573074-23 Sep 20, 2025	2573074-24 Sep 21, 2025	2573074-25 Sep 22, 2025	2573074-26 Sep 23, 2025	2573074-27 Sep 24, 2025	2573074-28 Sep 25, 2025
11:00 AM - 12:00 PM	1.3	1.7	2.4	3.0	2.6	3.6	4.3
12:00 PM - 01:00 PM	1.1	1.1	1.5	2.4	2.3	1.7	3.2
01:00 PM - 02:00 PM	0.9	1.5	1.3	4.0	1.7	2.3	2.4
02:00 PM - 03:00 PM	0.8	1.9	4.0	4.3	2.1	2.4	2.1
03:00 PM - 04:00 PM	0.9	1.3	1.9	2.4	1.7	2.4	1.7
04:00 PM - 05:00 PM	1.3	0.9	2.1	2.4	1.9	3.0	2.3
05:00 PM - 06:00 PM	0.6	1.1	3.2	1.5	3.4	3.8	2.8
06:00 PM - 07:00 PM	1.7	2.8	3.8	1.9	4.0	4.3	4.7
07:00 PM - 08:00 PM	2.1	1.7	3.2	3.0	3.0	4.5	4.0
08:00 PM - 09:00 PM	0.9	1.5	3.8	2.8	2.4	4.7	3.6
09:00 PM - 10:00 PM	0.8	2.8	1.9	2.3	1.5	2.4	3.2
10:00 PM - 11:00 PM	2.1	2.4	1.9	1.9	1.9	2.6	3.2
11:00 PM - 12:00 AM	2.4	2.1	1.5	1.7	1.7	2.3	3.8
12:00 AM - 01:00 AM	1.9	2.3	1.1	1.3	1.9	1.7	3.6
01:00 AM - 02:00 AM	1.3	2.3	1.3	1.1	1.9	2.1	3.6
02:00 AM - 03:00 AM	1.3	2.1	1.1	1.1	2.1	2.1	3.4
03:00 AM - 04:00 AM	1.5	1.5	1.7	1.3	2.1	2.3	3.2
04:00 AM - 05:00 AM	1.5	1.5	2.4	1.5	2.4	2.8	3.2
05:00 AM - 06:00 AM	1.9	1.1	2.8	1.7	3.2	3.8	3.8
06:00 AM - 07:00 AM	1.3	1.9	3.6	1.9	3.8	4.3	4.3
07:00 AM - 08:00 AM	2.8	2.4	3.6	2.4	3.4	4.9	5.1
08:00 AM - 09:00 AM	2.6	2.3	3.4	3.0	3.4	4.3	4.9
09:00 AM - 10:00 AM	1.9	2.1	3.0	2.3	3.4	4.1	5.1
10:00 AM - 11:00 AM	1.7	2.3	2.8	2.3	3.4	3.8	4.7
Average (24 hrs)	1.5	1.9	2.5	2.2	2.5	3.2	3.6
1hr - Maximum	2.8	2.8	4.0	4.3	4.0	4.9	5.1
Standard (1) 1hr - Average	320	320	320	320	320	320	320
Standard (2) Average 24 hrs.	-	-	-	-	-	-	-

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

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

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573101**

Date Received :Sep 30, 2025

Date Reported :Oct 03, 2025

Report Number :3374413-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 2

**Sample Number** : 2573101-1 to 7  
**Parameter** : Wind Speed / Wind Direction  
**Location** : โรงเรียนบ้านโนนมะเฟือง (A1)  
**Sampling Date** : Sep 19 - Sep 26, 2025  
**Sampling by** : Pongsaton Chaitip

Time	Sep 19 - Sep 20, 2025			Sep 20 - Sep 21, 2025			Sep 21 - Sep 22, 2025			Sep 22 - Sep 23, 2025			Sep 23 - Sep 24, 2025			Sep 24 - Sep 25, 2025			Sep 25 - Sep 26, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
12:00 PM - 01:00 PM	2.1	232.0	SW	0.6	217.0	SW	2.3	286.0	WNW	0.7	153.0	SSE	2.2	220.0	SW	1.2	298.0	WNW	1.5	278.0	W
01:00 PM - 02:00 PM	1.9	314.0	NW	0.0	-	-	3.2	259.0	W	0.9	274.0	W	1.9	253.0	WSW	2.7	278.0	W	1.9	3.0	N
02:00 PM - 03:00 PM	0.9	214.0	SW	0.1	-	-	2.4	3.0	N	1.2	271.0	W	1.9	253.0	WSW	2.1	269.0	W	2.1	255.0	WSW
03:00 PM - 04:00 PM	0.8	305.0	NW	1.6	118.0	ESE	2.1	279.0	W	1.3	9.0	N	2.1	266.0	W	1.9	227.0	SW	1.7	249.0	WSW
04:00 PM - 05:00 PM	2.4	339.0	NNW	1.1	125.0	SE	0.0	-	-	0.0	-	-	0.2	-	-	1.5	233.0	SW	1.1	306.0	NW
05:00 PM - 06:00 PM	0.3	15.0	NNE	0.0	-	-	0.7	274.0	W	0.5	256.0	WSW	0.1	-	-	0.7	267.0	W	0.1	-	-
06:00 PM - 07:00 PM	0.5	96.0	E	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	268.0	W	0.7	274.0	W
07:00 PM - 08:00 PM	0.2	-	-	0.0	-	-	0.7	242.0	WSW	0.0	-	-	3.9	240.0	WSW	2.7	253.0	WSW	0.8	249.0	WSW
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.2	-	-	0.2	-	-	0.7	266.0	W	1.5	274.0	W	1.5	286.0	WNW
09:00 PM - 10:00 PM	0.6	104.0	ESE	0.0	-	-	0.6	283.0	WNW	0.3	265.0	W	2.0	272.0	W	1.7	244.0	WSW	0.4	275.0	W
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.4	261.0	W	0.7	234.0	SW	1.6	310.0	NW
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.3	272.0	W	1.0	221.0	SW	0.5	265.0	W
12:00 AM - 01:00 AM	0.8	169.0	S	0.0	-	-	0.6	320.0	NW	0.9	198.0	SSW	0.8	312.0	NW	2.2	295.0	WNW	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.4	231.0	SW	0.3	199.0	SSW	0.0	-	-	0.5	287.0	WNW	0.4	267.0	W
02:00 AM - 03:00 AM	0.0	-	-	0.2	-	-	0.5	221.0	SW	0.0	-	-	0.0	-	-	1.6	287.0	WNW	0.7	257.0	WSW
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.6	223.0	SW	0.4	306.0	NW	0.0	-	-	0.7	325.0	NW	0.4	258.0	WSW
04:00 AM - 05:00 AM	0.0	-	-	0.3	276.0	W	0.1	-	-	0.7	271.0	W	0.0	-	-	0.4	292.0	WNW	1.3	275.0	W
05:00 AM - 06:00 AM	0.0	-	-	0.2	-	-	0.0	-	-	0.6	256.0	WSW	0.4	270.0	W	0.4	302.0	WNW	0.0	-	-
06:00 AM - 07:00 AM	1.3	151.0	SSE	0.9	266.0	W	1.5	277.0	W	0.4	313.0	NW	0.5	320.0	NW	0.7	336.0	NNW	1.6	255.0	WSW
07:00 AM - 08:00 AM	2.0	110.0	ESE	1.7	311.0	NW	0.9	292.0	WNW	0.9	336.0	NNW	1.9	287.0	WNW	1.8	311.0	NW	1.0	279.0	W
08:00 AM - 09:00 AM	0.1	-	-	4.3	267.0	W	3.3	302.0	WNW	0.8	260.0	W	1.5	279.0	W	1.1	280.0	W	0.9	285.0	WNW
09:00 AM - 10:00 AM	0.6	264.0	W	1.4	284.0	WNW	2.5	278.0	W	2.5	318.0	NW	0.9	304.0	NW	4.5	330.0	NNW	1.9	269.0	W
10:00 AM - 11:00 AM	0.6	174.0	S	0.9	337.0	NNW	3.9	245.0	WSW	2.2	256.0	WSW	1.4	233.0	SW	3.0	272.0	W	1.5	279.0	W
11:00 AM - 12:00 PM	0.4	158.0	SSE	1.5	3.0	N	0.6	270.0	W	1.3	182.0	S	0.8	322.0	NW	1.2	312.0	NW	0.9	261.0	W

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573101**

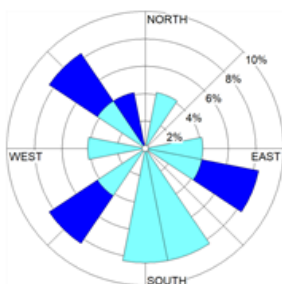
Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

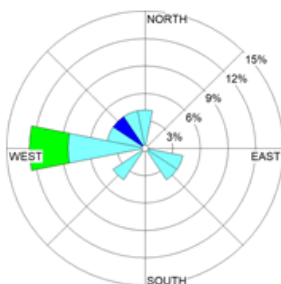
Report Number : 3374413-1

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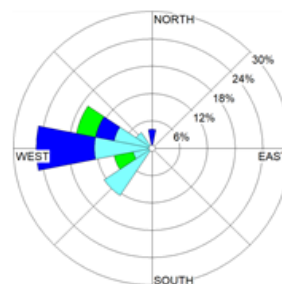
### Wind Rose



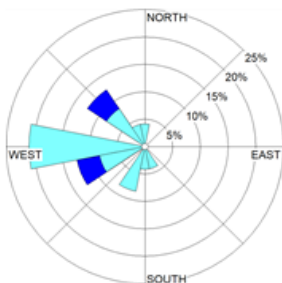
Date : Sep 19-20, 2025



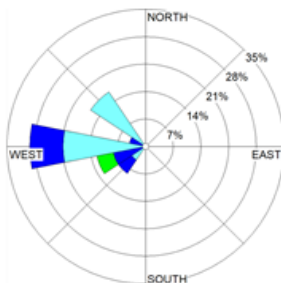
Date : Sep 20-21, 2025



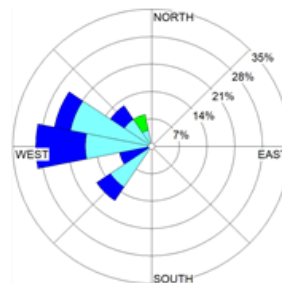
Date : Sep 21-22, 2025



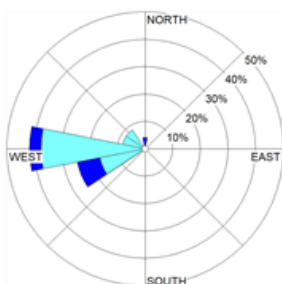
Date : Sep 22-23, 2025



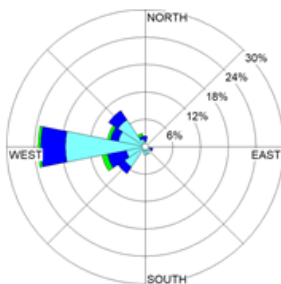
Date : Sep 23-24, 2025



Date : Sep 24-25, 2025



Date : Sep 25-26, 2025



Date : Sep 19-26, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	2.98
1.7-3.3	17.86
0.3-1.7	50.60
Calms	28.57

**Location** : โรงเรียนบ้านโนนมะเฟือง (A1)

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

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573101**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3374413-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 2

**Sample Number** : 2573101-8 to 14  
**Parameter** : Wind Speed / Wind Direction  
**Location** : โรงเรียนบ้านดอนหันโนนเพ็ด (A2)  
**Sampling Date** : Sep 19 - Sep 26, 2025  
**Sampling by** : Pongsaton Chaitip

Time	Sep 19 - Sep 20, 2025			Sep 20 - Sep 21, 2025			Sep 21 - Sep 22, 2025			Sep 22 - Sep 23, 2025			Sep 23 - Sep 24, 2025			Sep 24 - Sep 25, 2025			Sep 25 - Sep 26, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
10:00 AM - 11:00 AM	1.3	294.0	WNW	1.2	208.0	SSW	0.4	298.0	WNW	0.0	-	-	0.7	273.0	W	1.3	303.0	WNW	2.2	303.0	WNW
11:00 AM - 12:00 PM	0.2	-	-	0.5	214.0	SW	0.0	-	-	0.5	271.0	W	1.1	291.0	WNW	0.0	-	-	0.0	-	-
12:00 PM - 01:00 PM	0.0	-	-	0.0	-	-	0.4	291.0	WNW	3.0	279.0	W	2.1	277.0	W	0.6	284.0	WNW	1.0	277.0	W
01:00 PM - 02:00 PM	0.2	-	-	0.2	-	-	0.0	-	-	0.5	277.0	W	2.0	204.0	SSW	1.3	317.0	NW	0.5	296.0	WNW
02:00 PM - 03:00 PM	2.2	251.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.9	292.0	WNW	1.0	329.0	NNW	1.8	249.0	WSW
03:00 PM - 04:00 PM	0.5	104.0	ESE	0.9	189.0	S	0.0	-	-	0.0	-	-	0.8	253.0	WSW	0.5	239.0	WSW	0.9	231.0	SW
04:00 PM - 05:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.7	253.0	WSW	0.0	-	-	0.0	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.4	234.0	SW	0.0	-	-	0.5	168.0	SSE	0.0	-	-	0.0	-	-	0.1	-	-
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	252.0	WSW
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.6	314.0	NW	0.6	317.0	NW	0.5	235.0	SW
08:00 PM - 09:00 PM	0.4	149.0	SSE	0.0	-	-	0.0	-	-	0.4	219.0	SW	1.0	283.0	WNW	0.0	-	-	0.3	290.0	WNW
09:00 PM - 10:00 PM	1.0	245.0	WSW	0.4	234.0	SW	0.0	-	-	0.0	-	-	1.1	259.0	W	0.0	-	-	0.2	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.4	217.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.6	240.0	WSW
11:00 PM - 12:00 AM	0.3	222.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	258.0	WSW	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.4	231.0	SW	0.0	-	-	0.0	-	-	0.5	285.0	WNW	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.2	-	-	0.5	221.0	SW	0.0	-	-	0.6	311.0	NW	0.2	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.9	294.0	WNW	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	1.3	236.0	SW	0.0	-	-	0.0	-	-	0.6	325.0	NW	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.6	328.0	NNW	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	1.8	227.0	SW	0.0	-	-	0.3	251.0	WSW	0.0	-	-	0.0	-	-
06:00 AM - 07:00 AM	0.3	232.0	SW	0.0	-	-	0.8	284.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	1.0	278.0	W
07:00 AM - 08:00 AM	0.0	-	-	0.1	-	-	0.9	206.0	SSW	0.0	-	-	0.9	284.0	WNW	1.4	309.0	NW	1.5	310.0	NW
08:00 AM - 09:00 AM	1.0	121.0	ESE	1.6	210.0	SSW	1.5	294.0	WNW	0.2	-	-	0.0	-	-	1.4	291.0	WNW	1.1	298.0	WNW
09:00 AM - 10:00 AM	0.2	-	-	1.4	304.0	NW	0.5	301.0	WNW	1.2	298.0	WNW	0.5	296.0	WNW	0.6	277.0	W	1.3	283.0	WNW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573101**

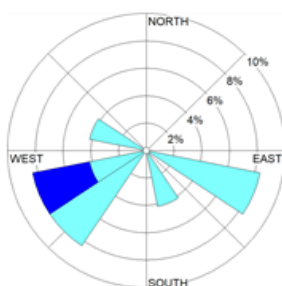
Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

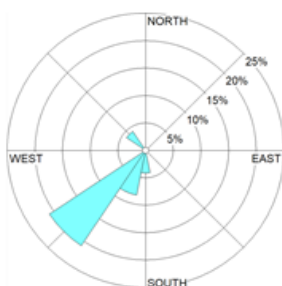
Report Number : 3374413-1

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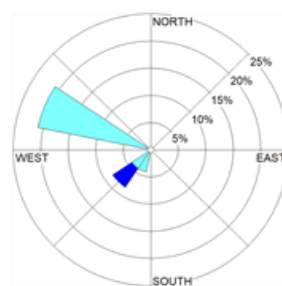
### Wind Rose



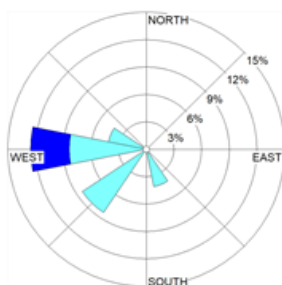
Date : Sep 19-20, 2025



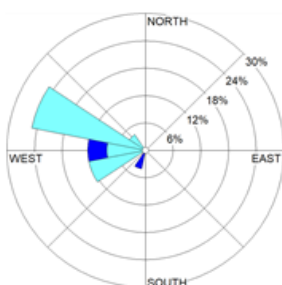
Date : Sep 20-21, 2025



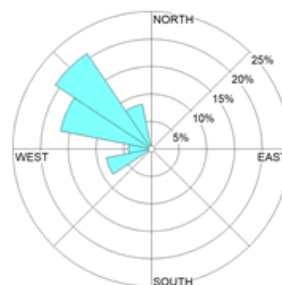
Date : Sep 21-22, 2025



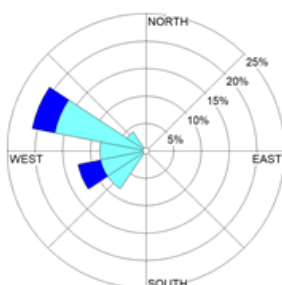
Date : Sep 22-23, 2025



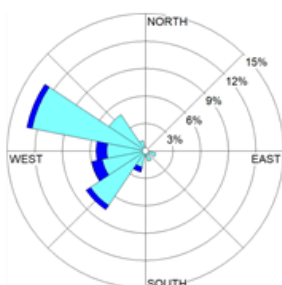
Date : Sep 23-24, 2025



Date : Sep 24-25, 2025



Date : Sep 25-26, 2025



Date : Sep 19-26, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	4.17
0.3-1.7	39.29
Calms	56.55

**Location** : โรงเรียนบ้านดอนหันโนนเพ็ด (A2)

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

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573101**

Date Received :Sep 30, 2025

Date Reported :Oct 03, 2025

Report Number :3374413-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 2

**Sample Number** : 2573101-15 to 21  
**Parameter** : Wind Speed / Wind Direction  
**Location** : บ้านหนองนาง (N2)  
**Sampling Date** : Sep 19 - Sep 26, 2025  
**Sampling by** : Pongsaton Chaitip

Time	Sep 19 - Sep 20, 2025			Sep 20 - Sep 21, 2025			Sep 21 - Sep 22, 2025			Sep 22 - Sep 23, 2025			Sep 23 - Sep 24, 2025			Sep 24 - Sep 25, 2025			Sep 25 - Sep 26, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
01:00 PM - 02:00 PM	0.3	204.0	SSW	0.0	-	-	0.8	256.0	WSW	0.7	282.0	WNW	1.1	249.0	WSW	2.0	247.0	WSW	0.0	-	-
02:00 PM - 03:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.3	239.0	WSW	2.3	227.0	SW	0.7	252.0	WSW
03:00 PM - 04:00 PM	1.7	352.0	N	2.1	177.0	S	0.0	-	-	0.0	-	-	1.6	244.0	WSW	1.1	240.0	WSW	0.0	-	-
04:00 PM - 05:00 PM	0.0	-	-	1.5	140.0	SE	0.0	-	-	0.0	-	-	0.6	247.0	WSW	0.3	230.0	SW	0.0	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.4	211.0	SSW	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.9	256.0	WSW	0.7	233.0	SW	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.0	251.0	WSW	0.0	-	-	0.2	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.5	240.0	WSW
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.6	226.0	SW	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	232.0	SW
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
06:00 AM - 07:00 AM	0.0	-	-	1.0	270.0	W	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.0	-	-	1.2	234.0	SW	1.4	259.0	W	0.0	-	-	0.1	-	-	3.3	248.0	WSW	0.8	234.0	SW
08:00 AM - 09:00 AM	0.0	-	-	0.8	245.0	WSW	0.4	251.0	WSW	1.2	258.0	WSW	0.6	248.0	WSW	5.0	243.0	WSW	0.0	-	-
09:00 AM - 10:00 AM	0.0	-	-	1.1	223.0	SW	3.1	228.0	SW	1.8	232.0	SW	0.7	316.0	NW	0.0	-	-	0.4	184.0	S
10:00 AM - 11:00 AM	0.0	-	-	0.8	276.0	W	0.0	-	-	1.6	241.0	WSW	0.3	250.0	WSW	0.8	276.0	W	0.0	-	-
11:00 AM - 12:00 PM	0.0	-	-	1.7	243.0	WSW	1.1	256.0	WSW	2.3	231.0	SW	0.5	234.0	SW	0.0	-	-	0.5	265.0	W
12:00 PM - 01:00 PM	0.0	-	-	1.2	250.0	WSW	0.0	-	-	1.0	249.0	WSW	0.3	220.0	SW	0.1	-	-	0.0	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573101**

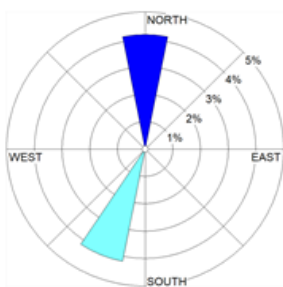
Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

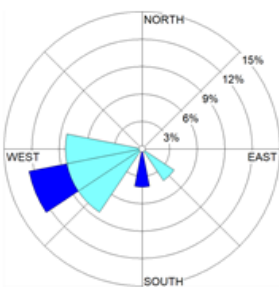
Report Number : 3374413-1

Page 2 of 2

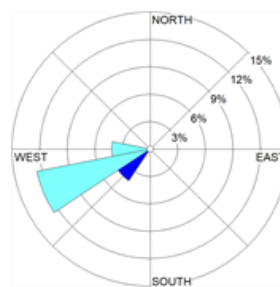
### Wind Rose



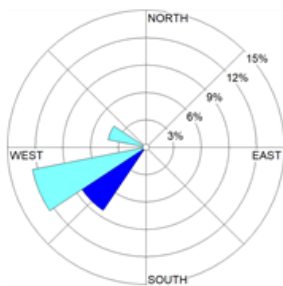
Date : Sep 19-20, 2025



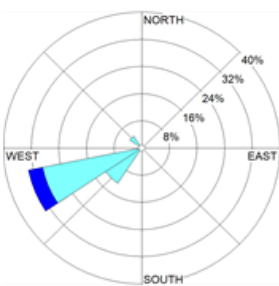
Date : Sep 20-21, 2025



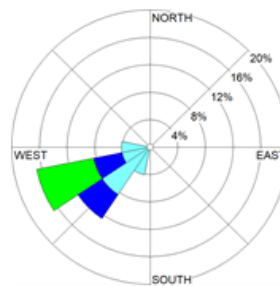
Date : Sep 21-22, 2025



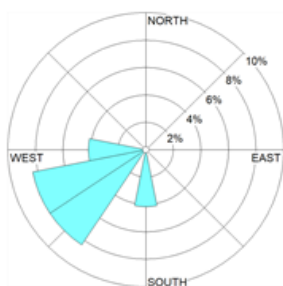
Date : Sep 22-23, 2025



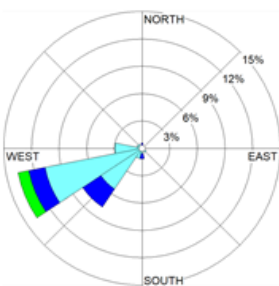
Date : Sep 23-24, 2025



Date : Sep 24-25, 2025



Date : Sep 25-26, 2025



Date : Sep 19-26, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	1.19
1.7-3.3	5.36
0.3-1.7	22.62
Calms	70.83

**Location** : วัดบ้านหนองแวง (N2)

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

Sarayuth Jitranont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573101**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3374413-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 2

**Sample Number** : 2573101-22 to 28  
**Parameter** : Wind Speed / Wind Direction  
**Location** : วัดป่าประชารธรรมนิคม (A4)  
**Sampling Date** : Sep 19 - Sep 26, 2025  
**Sampling by** : Pongsaton Chaitip

Time	Sep 19 - Sep 20, 2025			Sep 20 - Sep 21, 2025			Sep 21 - Sep 22, 2025			Sep 22 - Sep 23, 2025			Sep 23 - Sep 24, 2025			Sep 24 - Sep 25, 2025			Sep 25 - Sep 26, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	1.9	288.0	WNW	0.1	-	-	0.0	-	-	0.0	-	-	0.3	298.0	WNW	0.0	-	-	0.5	289.0	WNW
12:00 PM - 01:00 PM	0.8	225.0	SW	0.1	-	-	0.1	-	-	0.2	-	-	1.3	156.0	SSE	0.6	299.0	WNW	1.0	266.0	W
01:00 PM - 02:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.4	175.0	S	1.0	22.0	NNE	0.0	-	-	0.0	-	-
02:00 PM - 03:00 PM	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.8	111.0	ESE	1.0	310.0	NW	0.6	263.0	W
03:00 PM - 04:00 PM	1.1	299.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.3	281.0	W	1.0	322.0	NW	0.0	-	-
04:00 PM - 05:00 PM	0.2	-	-	0.1	-	-	0.3	304.0	NW	0.0	-	-	0.0	-	-	0.1	-	-	1.8	211.0	SSW
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-
09:00 PM - 10:00 PM	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.2	255.0	WSW	0.0	-	-	0.1	-	-
10:00 PM - 11:00 PM	0.5	221.0	SW	0.0	-	-	0.0	-	-	0.3	205.0	SSW	0.8	244.0	WSW	0.0	-	-	0.1	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	1.0	301.0	WNW	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.3	164.0	SSE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.3	244.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.8	219.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.3	299.0	WNW
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.3	243.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.2	-	-	0.0	-	-	0.1	-	-	0.0	-	-	0.1	-	-	0.0	-	-	0.0	-	-
08:00 AM - 09:00 AM	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.1	301.0	WNW
09:00 AM - 10:00 AM	0.7	144.0	SE	1.1	185.0	S	1.0	274.0	W	0.0	-	-	0.0	-	-	0.0	-	-	0.3	289.0	WNW
10:00 AM - 11:00 AM	0.8	330.0	NNW	0.8	175.0	S	0.6	281.0	W	1.0	309.0	NW	0.0	-	-	0.7	264.0	W	0.8	284.0	WNW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573101**

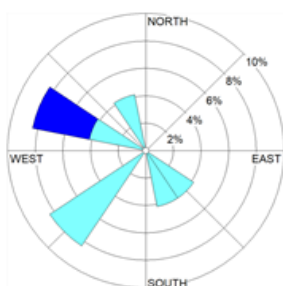
Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

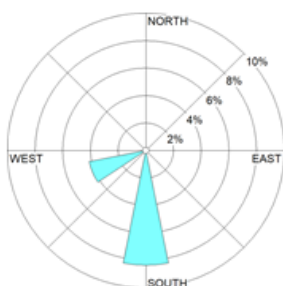
Report Number : 3374413-1

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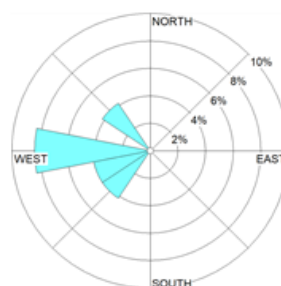
### Wind Rose



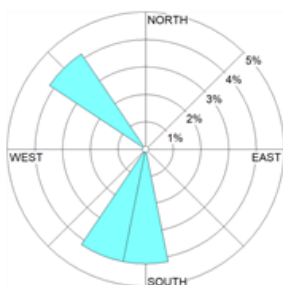
Date : Sep 19-20, 2025



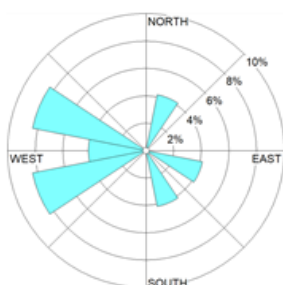
Date : Sep 20-21, 2025



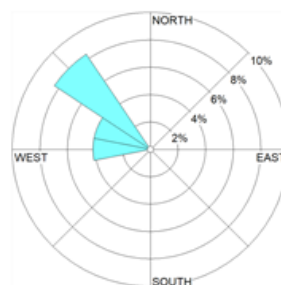
Date : Sep 21-22, 2025



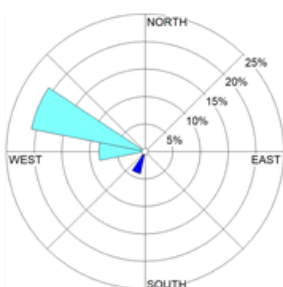
Date : Sep 22-23, 2025



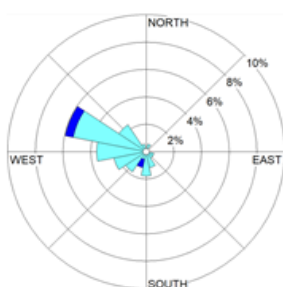
Date : Sep 23-24, 2025



Date : Sep 24-25, 2025



Date : Sep 25-26, 2025



Date : Sep 19-26, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	1.19
0.3-1.7	21.43
Calms	77.38

**Location** : วัดป่าประชารธรรมนิคม (A4)

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Approved by

Sarayuth Jitranont  
Assistant General Manager

## ภาคผนวก ค-2

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ใบรับรองผลการตรวจวัดคุณภาพอากาศจากปล่องระบาย (CEMs)  
ระหว่างเดือนกรกฎาคม-ธันวาคม พ.ศ. 2568

# SPPA-T3000

## Analog Interval Report

Name:

Comment:

Created at: 2026/01/26 04:06:10.962 PM

Time: From 2025/07/01 12:00:00.000 AM To 2025/12/31 12:00:00.000 AM

Time Interval : 24:00:00

Aggregate: average values per time period

Note:

Name		Designation	EngUnit	Time			Avg	QF
Tag1	20CYQ10CQ002  XQ01	Flue Gas SO2 Content	ppm				17.98004	1.0
Tag2	20CYQ10CQ003  XQ01	Flue Gas O2 Content	%				6.946876	1.0
Tag3	20CYQ10CQ004  XQ01	Flue Gas NOx Content	ppm				69.69026	1.0
Tag4	20CYQ10CQ005  XQ01	Flue Gas CO Content	ppm				9.999998E16	1.0
Tag5	20CYQ10CQ006  XQ01	Flue Gas Opacity	%				2.8973677	1.0
Tag6	20CYQ10CT101  XQ01	Flue Gas Temperature	°C				134.00467	1.0
Time		Tag1	Tag2	Tag3	Tag4	Tag5	Tag6	
2025/07/01 12:00:00.000 AM - 2025/07/02 12:00:00.000 AM		14.77067	6.5866203	71.92261	232.68057	5.0698123	135.04468	
2025/07/02 12:00:00.000 AM - 2025/07/03 12:00:00.000 AM		14.769342	6.640829	75.136696	249.81848	4.9734287	134.8142	
2025/07/03 12:00:00.000 AM - 2025/07/04 12:00:00.000 AM		7.972545	7.0974035	66.50907	373.924	5.4576917	134.37863	
2025/07/04 12:00:00.000 AM - 2025/07/05 12:00:00.000 AM		16.801107	6.6164527	71.73996	332.9223	3.1765912	134.06465	
2025/07/05 12:00:00.000 AM - 2025/07/06 12:00:00.000 AM		18.0049	6.823674	73.08549	211.36278	5.05906	134.46408	
2025/07/06 12:00:00.000 AM - 2025/07/07 12:00:00.000 AM		18.586985	6.84943	68.5832	297.03036	5.1005807	134.21265	
2025/07/07 12:00:00.000 AM - 2025/07/08 12:00:00.000 AM		20.009785	6.795353	75.61724	219.99124	6.5477242	134.37231	
2025/07/08 12:00:00.000 AM - 2025/07/09 12:00:00.000 AM		19.58616	6.715383	76.02552	203.25443	5.9712167	135.16554	
2025/07/09 12:00:00.000 AM - 2025/07/10 12:00:00.000 AM		19.42814	6.924251	79.542694	146.41254	5.0054603	135.20952	
2025/07/10 12:00:00.000 AM - 2025/07/11 12:00:00.000 AM		19.839006	6.808648	81.33579	224.76779	3.9720356	136.64229	
2025/07/11 12:00:00.000 AM - 2025/07/12 12:00:00.000 AM		21.688507	6.9125905	72.36006	237.7378	5.6207314	135.32635	
2025/07/12 12:00:00.000 AM - 2025/07/13 12:00:00.000 AM		21.63437	7.0029516	81.62994	143.1689	5.9969153	135.58722	
2025/07/13 12:00:00.000 AM - 2025/07/14 12:00:00.000 AM		22.390167	7.1075673	79.3629	191.9881	5.7466426	135.60217	

# Analog Interval Report

Name:

Created at: 2026/01/26 04:06:10.962 PM

Time: From 2025/07/01 12:00:00.000 AM To 2025/12/31 12:00:00.000 AM

Time	Tag1	Tag2	Tag3	Tag4	Tag5	Tag6
2025/07/14 12:00:00.000 AM - 2025/07/15 12:00:00.000 AM	22.920908	6.9019794	80.57737	186.34572	5.268636	135.38167
2025/07/15 12:00:00.000 AM - 2025/07/16 12:00:00.000 AM	22.618803	6.703675	69.746506	234.47784	5.2140436	135.67725
2025/07/16 12:00:00.000 AM - 2025/07/17 12:00:00.000 AM	22.543472	6.59521	67.438965	208.01216	5.327054	136.02934
2025/07/17 12:00:00.000 AM - 2025/07/18 12:00:00.000 AM	23.565823	6.6659856	68.96802	190.75435	5.8176694	135.3935
2025/07/18 12:00:00.000 AM - 2025/07/19 12:00:00.000 AM	23.552607	6.5892744	65.74827	239.27762	5.790873	135.02309
2025/07/19 12:00:00.000 AM - 2025/07/20 12:00:00.000 AM	24.309464	6.640184	61.03809	245.25903	6.122859	134.63737
2025/07/20 12:00:00.000 AM - 2025/07/21 12:00:00.000 AM	24.470463	6.670533	58.62095	253.52708	4.0636983	133.64134
2025/07/21 12:00:00.000 AM - 2025/07/22 12:00:00.000 AM	24.26306	6.673924	64.349396	222.63412	4.958451	133.0635
2025/07/22 12:00:00.000 AM - 2025/07/23 12:00:00.000 AM	23.792603	6.660586	64.39597	213.1485	4.5632043	133.1776
2025/07/23 12:00:00.000 AM - 2025/07/24 12:00:00.000 AM	24.77163	6.678475	66.859764	201.46906	6.4368143	134.34914
2025/07/24 12:00:00.000 AM - 2025/07/25 12:00:00.000 AM	27.760363	6.8684497	73.17158	9.9999998E16	5.3047433	134.48224
2025/07/25 12:00:00.000 AM - 2025/07/26 12:00:00.000 AM	26.016766	6.9289746	69.35931	284.336	5.229094	133.69675
2025/07/26 12:00:00.000 AM - 2025/07/27 12:00:00.000 AM	25.538143	6.6129956	71.75083	228.00374	5.0681577	135.94151
2025/07/27 12:00:00.000 AM - 2025/07/28 12:00:00.000 AM	27.111782	7.4153614	48.78379	573.7773	5.0231977	122.737404
2025/07/28 12:00:00.000 AM - 2025/07/29 12:00:00.000 AM	26.806997	6.842901	62.5093	191.72998	5.050015	132.88985
2025/07/29 12:00:00.000 AM - 2025/07/30 12:00:00.000 AM	27.39444	6.7225833	73.51655	193.3077	6.445259	133.33975
2025/07/30 12:00:00.000 AM - 2025/07/31 12:00:00.000 AM	27.271126	6.414873	69.91123	308.75357	5.4375963	136.56184
2025/07/31 12:00:00.000 AM - 2025/08/01 12:00:00.000 AM	27.703396	6.230059	69.09725	346.66214	4.957306	137.04474
2025/08/01 12:00:00.000 AM - 2025/08/02 12:00:00.000 AM	28.784233	6.155691	66.7462	358.44608	4.9802876	137.49887
2025/08/02 12:00:00.000 AM - 2025/08/03 12:00:00.000 AM	29.825367	6.449828	72.188	262.567	5.50164	137.04652
2025/08/03 12:00:00.000 AM - 2025/08/04 12:00:00.000 AM	33.608257	7.3994083	58.08855	595.05756	5.9301033	123.13027
2025/08/04 12:00:00.000 AM - 2025/08/05 12:00:00.000 AM	38.840424	6.8872323	67.86733	9.9999998E16	3.5468965	133.98167
2025/08/05 12:00:00.000 AM - 2025/08/06 12:00:00.000 AM	31.875998	6.428376	74.152664	304.7353	4.9311943	136.36708
2025/08/06 12:00:00.000 AM - 2025/08/07 12:00:00.000 AM	31.92586	6.6584344	70.64305	197.59387	5.710907	134.96307
2025/08/07 12:00:00.000 AM - 2025/08/08 12:00:00.000 AM	31.485252	6.572344	75.91686	203.37846	4.5823565	135.96167
2025/08/08 12:00:00.000 AM - 2025/08/09 12:00:00.000 AM	32.200516	6.5584717	67.46112	252.00618	3.169978	135.52031
2025/08/09 12:00:00.000 AM - 2025/08/10 12:00:00.000 AM	31.787212	6.228095	64.25259	362.41666	1.7680334	136.59903
2025/08/10 12:00:00.000 AM - 2025/08/11 12:00:00.000 AM	33.416576	6.3109245	75.43928	359.93622	7.3030047	136.61212
2025/08/11 12:00:00.000 AM - 2025/08/12 12:00:00.000 AM	51.04045	10.54239	51.425476	1170.7161	6.705148	121.58289
2025/08/12 12:00:00.000 AM - 2025/08/13 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/13 12:00:00.000 AM - 2025/08/14 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/14 12:00:00.000 AM - 2025/08/15 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2

# Analog Interval Report

Name:

Created at: 2026/01/26 04:06:10.962 PM

Time: From 2025/07/01 12:00:00.000 AM To 2025/12/31 12:00:00.000 AM

Time	Tag1	Tag2	Tag3	Tag4	Tag5	Tag6
2025/08/15 12:00:00.000 AM - 2025/08/16 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/16 12:00:00.000 AM - 2025/08/17 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/17 12:00:00.000 AM - 2025/08/18 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/18 12:00:00.000 AM - 2025/08/19 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/19 12:00:00.000 AM - 2025/08/20 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/20 12:00:00.000 AM - 2025/08/21 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/21 12:00:00.000 AM - 2025/08/22 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/22 12:00:00.000 AM - 2025/08/23 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/23 12:00:00.000 AM - 2025/08/24 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/24 12:00:00.000 AM - 2025/08/25 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/25 12:00:00.000 AM - 2025/08/26 12:00:00.000 AM	63.44103	13.1	33.146156	1782.0515	6.9	113.2
2025/08/26 12:00:00.000 AM - 2025/08/27 12:00:00.000 AM	66.720985	9.178151	35.255657	9.9999998E16	5.9361057	111.76965
2025/08/27 12:00:00.000 AM - 2025/08/28 12:00:00.000 AM	57.203976	4.677964	29.298832	857.2701	18.953705	119.31455
2025/08/28 12:00:00.000 AM - 2025/08/29 12:00:00.000 AM	68.38343	4.4505367	36.801662	481.50732	36.72324	126.56522
2025/08/29 12:00:00.000 AM - 2025/08/30 12:00:00.000 AM	35.915653	4.8348746	58.796753	492.43878	6.5910406	125.95982
2025/08/30 12:00:00.000 AM - 2025/08/31 12:00:00.000 AM	35.943638	4.784522	55.921185	491.55933	4.911355	126.99578
2025/08/31 12:00:00.000 AM - 2025/09/01 12:00:00.000 AM	35.819214	4.789713	55.93903	479.50787	0.1	125.19884
2025/09/01 12:00:00.000 AM - 2025/09/02 12:00:00.000 AM	44.998753	5.1430264	47.970867	444.5581	0.1	126.283264
2025/09/02 12:00:00.000 AM - 2025/09/03 12:00:00.000 AM	37.41617	6.230264	89.27792	215.67014	0.1	127.92359
2025/09/03 12:00:00.000 AM - 2025/09/04 12:00:00.000 AM	38.581417	6.341579	86.08242	209.12029	0.1	128.20421
2025/09/04 12:00:00.000 AM - 2025/09/05 12:00:00.000 AM	40.458767	6.6580024	84.332664	278.5782	0.1	128.58629
2025/09/05 12:00:00.000 AM - 2025/09/06 12:00:00.000 AM	39.753235	6.326131	88.9899	200.44952	0.1	129.12582
2025/09/06 12:00:00.000 AM - 2025/09/07 12:00:00.000 AM	40.565174	6.368764	75.11806	264.29782	0.1	131.73923
2025/09/07 12:00:00.000 AM - 2025/09/08 12:00:00.000 AM	40.703743	6.2537093	73.98367	244.7001	0.1	132.12175
2025/09/08 12:00:00.000 AM - 2025/09/09 12:00:00.000 AM	40.709873	6.297362	72.486885	244.04317	0.1	129.90176
2025/09/09 12:00:00.000 AM - 2025/09/10 12:00:00.000 AM	41.64243	6.2372074	74.06792	216.78702	0.1	132.44855
2025/09/10 12:00:00.000 AM - 2025/09/11 12:00:00.000 AM	41.752342	6.2430887	78.70665	194.37299	0.1	132.4383
2025/09/11 12:00:00.000 AM - 2025/09/12 12:00:00.000 AM	44.14237	6.2523203	78.9662	179.43948	0.1	133.41142
2025/09/12 12:00:00.000 AM - 2025/09/13 12:00:00.000 AM	128.25	8.90185	53.906635	713.19226	0.1	126.71341
2025/09/13 12:00:00.000 AM - 2025/09/14 12:00:00.000 AM	44.48103	6.3423595	57.98891	315.86832	0.1	133.77882
2025/09/14 12:00:00.000 AM - 2025/09/15 12:00:00.000 AM	44.267242	6.463138	57.721897	248.89891	0.1	133.55585
2025/09/15 12:00:00.000 AM - 2025/09/16 12:00:00.000 AM	45.028996	6.7904263	59.74457	243.51263	0.1	134.63626

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Time: From 2025/07/01 12:00:00.000 AM To 2025/12/31 12:00:00.000 AM

Time	Tag1	Tag2	Tag3	Tag4	Tag5	Tag6
2025/09/16 12:00:00.000 AM - 2025/09/17 12:00:00.000 AM	47.487877	6.7609663	59.89648	376.84595	0.1	135.42627
2025/09/17 12:00:00.000 AM - 2025/09/18 12:00:00.000 AM	46.085434	6.63655	65.28213	244.44888	0.1	136.77277
2025/09/18 12:00:00.000 AM - 2025/09/19 12:00:00.000 AM	45.910515	6.5107675	62.49607	226.82463	0.1	136.67094
2025/09/19 12:00:00.000 AM - 2025/09/20 12:00:00.000 AM	45.70765	6.3199806	57.367867	303.31604	0.1	136.38548
2025/09/20 12:00:00.000 AM - 2025/09/21 12:00:00.000 AM	47.18718	6.6575193	57.320614	225.16154	0.1	138.20947
2025/09/21 12:00:00.000 AM - 2025/09/22 12:00:00.000 AM	51.10437	7.32031	61.806362	272.75888	0.1	132.49109
2025/09/22 12:00:00.000 AM - 2025/09/23 12:00:00.000 AM	48.908802	6.9215975	73.838844	193.16986	0.1	136.78537
2025/09/23 12:00:00.000 AM - 2025/09/24 12:00:00.000 AM	38.5913	??0568213	58.437267	9.9999998E16	0.1	135.70079
2025/09/24 12:00:00.000 AM - 2025/09/25 12:00:00.000 AM	5.309975	7.0325575	67.749794	370.3546	0.1	134.86172
2025/09/25 12:00:00.000 AM - 2025/09/26 12:00:00.000 AM	0.0368712	6.9416814	71.066734	311.05267	0.1	134.85
2025/09/26 12:00:00.000 AM - 2025/09/27 12:00:00.000 AM	0.047983	6.819424	66.07585	438.37238	0.1	134.71556
2025/09/27 12:00:00.000 AM - 2025/09/28 12:00:00.000 AM	0.0769139	6.5296717	68.41031	377.97614	0.1	133.87328
2025/09/28 12:00:00.000 AM - 2025/09/29 12:00:00.000 AM	0.0744935	6.4945316	66.45747	482.41998	0.1	134.47478
2025/09/29 12:00:00.000 AM - 2025/09/30 12:00:00.000 AM	0.0710036	6.4464827	67.17395	471.0498	0.1	134.00677
2025/09/30 12:00:00.000 AM - 2025/10/01 12:00:00.000 AM	0.0110929	6.258848	61.635616	499.1142	0.1	136.44162
2025/10/01 12:00:00.000 AM - 2025/10/02 12:00:00.000 AM	0.0057964	6.342342	62.56338	548.72955	0.1	136.11565
2025/10/02 12:00:00.000 AM - 2025/10/03 12:00:00.000 AM	0.0045056	6.2142353	59.221634	424.72604	0.1	137.01271
2025/10/03 12:00:00.000 AM - 2025/10/04 12:00:00.000 AM	0.1066762	6.3001237	59.92332	362.35342	0.1	137.88167
2025/10/04 12:00:00.000 AM - 2025/10/05 12:00:00.000 AM	0.0230741	6.3842063	60.792633	364.36542	0.1	138.78604
2025/10/05 12:00:00.000 AM - 2025/10/06 12:00:00.000 AM	0.0155833	6.4418836	56.109383	288.4087	0.1	138.53877
2025/10/06 12:00:00.000 AM - 2025/10/07 12:00:00.000 AM	0.0645058	6.2195034	59.819775	299.04846	0.1	137.91321
2025/10/07 12:00:00.000 AM - 2025/10/08 12:00:00.000 AM	0.0215016	6.2546244	62.50764	362.10437	0.1	138.60234
2025/10/08 12:00:00.000 AM - 2025/10/09 12:00:00.000 AM	0.0186876	6.2827125	68.159454	243.13846	0.1	138.9297
2025/10/09 12:00:00.000 AM - 2025/10/10 12:00:00.000 AM	0.0304805	6.23785	65.582504	246.49225	0.1	138.67473
2025/10/10 12:00:00.000 AM - 2025/10/11 12:00:00.000 AM	0.0258004	6.331411	62.265858	269.44998	0.1	139.07379
2025/10/11 12:00:00.000 AM - 2025/10/12 12:00:00.000 AM	0.0003601	6.339292	57.726524	203.60725	0.1	137.24762
2025/10/12 12:00:00.000 AM - 2025/10/13 12:00:00.000 AM	0.0581388	6.389135	64.27274	296.10562	0.1	137.5504
2025/10/13 12:00:00.000 AM - 2025/10/14 12:00:00.000 AM	0.0	6.306484	61.704285	269.5338	0.1	139.80597
2025/10/14 12:00:00.000 AM - 2025/10/15 12:00:00.000 AM	0.0450273	6.4398675	64.512146	219.15778	0.1	138.63478
2025/10/15 12:00:00.000 AM - 2025/10/16 12:00:00.000 AM	0.0568218	6.4902415	71.52236	195.30403	0.1	138.04622
2025/10/16 12:00:00.000 AM - 2025/10/17 12:00:00.000 AM	0.0262827	6.457135	69.03011	241.02559	0.1	136.90063
2025/10/17 12:00:00.000 AM - 2025/10/18 12:00:00.000 AM	0.0659094	6.3719835	71.079124	221.26167	0.1	138.09613

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Time	Tag1	Tag2	Tag3	Tag4	Tag5	Tag6
2025/10/18 12:00:00.000 AM - 2025/10/19 12:00:00.000 AM	0.0072112	6.338071	63.991577	205.57271	0.1	138.5614
2025/10/19 12:00:00.000 AM - 2025/10/20 12:00:00.000 AM	0.0619276	6.2970486	67.877174	214.05487	0.8967254	138.88528
2025/10/20 12:00:00.000 AM - 2025/10/21 12:00:00.000 AM	0.1278937	6.179808	73.20083	203.90872	1.9	140.00722
2025/10/21 12:00:00.000 AM - 2025/10/22 12:00:00.000 AM	0.0887198	6.101592	75.68007	191.93224	1.9	140.3787
2025/10/22 12:00:00.000 AM - 2025/10/23 12:00:00.000 AM	0.12932	6.013806	72.28511	223.8142	1.9	139.10597
2025/10/23 12:00:00.000 AM - 2025/10/24 12:00:00.000 AM	0.0564304	6.2982025	83.365944	208.11072	1.9	139.56526
2025/10/24 12:00:00.000 AM - 2025/10/25 12:00:00.000 AM	0.0887961	6.0766172	84.353905	217.52766	1.9	140.14928
2025/10/25 12:00:00.000 AM - 2025/10/26 12:00:00.000 AM	0.1800053	6.0971475	83.30194	194.69263	1.9	140.67116
2025/10/26 12:00:00.000 AM - 2025/10/27 12:00:00.000 AM	0.2113338	5.941576	85.162384	226.76312	1.9	141.0088
2025/10/27 12:00:00.000 AM - 2025/10/28 12:00:00.000 AM	0.0898137	5.8016853	84.42275	211.95854	1.9	139.89539
2025/10/28 12:00:00.000 AM - 2025/10/29 12:00:00.000 AM	0.5130354	5.851384	79.97304	196.38	1.9	140.832
2025/10/29 12:00:00.000 AM - 2025/10/30 12:00:00.000 AM	0.8717855	5.7587996	82.02495	217.09267	1.9	141.96054
2025/10/30 12:00:00.000 AM - 2025/10/31 12:00:00.000 AM	0.7842845	5.8378572	82.3669	196.3983	1.9	141.6663
2025/10/31 12:00:00.000 AM - 2025/11/01 12:00:00.000 AM	2.6119428	5.8152914	88.93263	221.96616	1.9	140.72101
2025/11/01 12:00:00.000 AM - 2025/11/02 12:00:00.000 AM	3.2701275	5.8452697	99.08028	191.68425	1.9	140.21928
2025/11/02 12:00:00.000 AM - 2025/11/03 12:00:00.000 AM	4.283536	6.227309	92.537285	161.51422	1.9	139.74208
2025/11/03 12:00:00.000 AM - 2025/11/04 12:00:00.000 AM	4.246086	6.2346945	93.31122	212.23993	1.9	139.30354
2025/11/04 12:00:00.000 AM - 2025/11/05 12:00:00.000 AM	4.4636292	5.99544	83.336426	252.39055	1.9	138.44673
2025/11/05 12:00:00.000 AM - 2025/11/06 12:00:00.000 AM	4.7443833	5.9987874	84.50078	141.40129	1.9	139.1022
2025/11/06 12:00:00.000 AM - 2025/11/07 12:00:00.000 AM	6.6473465	5.954949	87.86559	218.27936	1.9	140.0416
2025/11/07 12:00:00.000 AM - 2025/11/08 12:00:00.000 AM	5.675979	5.9282136	89.97903	228.77386	1.9	137.60042
2025/11/08 12:00:00.000 AM - 2025/11/09 12:00:00.000 AM	6.79628	5.9579177	91.71549	260.81332	1.9	140.74898
2025/11/09 12:00:00.000 AM - 2025/11/10 12:00:00.000 AM	9.061819	5.977763	90.929886	271.01587	1.9	141.30327
2025/11/10 12:00:00.000 AM - 2025/11/11 12:00:00.000 AM	10.510994	5.9261756	89.38166	398.74796	1.9	140.8534
2025/11/11 12:00:00.000 AM - 2025/11/12 12:00:00.000 AM	12.209989	6.078049	89.00038	253.98006	1.9	136.00537
2025/11/12 12:00:00.000 AM - 2025/11/13 12:00:00.000 AM	12.594136	5.848765	87.22954	185.44698	1.9	140.67865
2025/11/13 12:00:00.000 AM - 2025/11/14 12:00:00.000 AM	12.246874	5.778073	91.05822	269.84924	1.9	140.79076
2025/11/14 12:00:00.000 AM - 2025/11/15 12:00:00.000 AM	12.403045	5.9847374	86.15998	218.17856	1.9	140.15326
2025/11/15 12:00:00.000 AM - 2025/11/16 12:00:00.000 AM	13.119301	5.9505763	91.89262	281.98	1.9	138.33687
2025/11/16 12:00:00.000 AM - 2025/11/17 12:00:00.000 AM	13.577472	6.0266395	101.59053	286.22464	1.9	137.2754
2025/11/17 12:00:00.000 AM - 2025/11/18 12:00:00.000 AM	13.3171	5.921992	89.63626	321.0219	1.9	137.43666
2025/11/18 12:00:00.000 AM - 2025/11/19 12:00:00.000 AM	14.242346	6.092031	89.472176	258.02826	1.9	136.13205



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Time	Tag1	Tag2	Tag3	Tag4	Tag5	Tag6
2025/11/19 12:00:00.000 AM - 2025/11/20 12:00:00.000 AM	14.728157	5.966175	88.566246	209.52933	1.9	137.13916
2025/11/20 12:00:00.000 AM - 2025/11/21 12:00:00.000 AM	16.21722	5.970806	83.17196	273.63013	1.9	137.5786
2025/11/21 12:00:00.000 AM - 2025/11/22 12:00:00.000 AM	17.252916	5.7555413	86.90206	261.1504	1.9	139.12646
2025/11/22 12:00:00.000 AM - 2025/11/23 12:00:00.000 AM	18.53069	5.8373833	93.83229	178.96785	1.9	139.68773
2025/11/23 12:00:00.000 AM - 2025/11/24 12:00:00.000 AM	19.424004	5.717116	89.96538	292.6519	1.9	138.82558
2025/11/24 12:00:00.000 AM - 2025/11/25 12:00:00.000 AM	19.94681	5.7824664	88.314705	301.19476	1.9	137.13847
2025/11/25 12:00:00.000 AM - 2025/11/26 12:00:00.000 AM	20.892565	5.958167	83.49796	342.41797	1.9	137.46317
2025/11/26 12:00:00.000 AM - 2025/11/27 12:00:00.000 AM	21.884657	5.7788434	82.12071	308.88126	1.9	137.47974
2025/11/27 12:00:00.000 AM - 2025/11/28 12:00:00.000 AM	22.874704	6.0302615	89.5992	222.27104	1.9	137.14479
2025/11/28 12:00:00.000 AM - 2025/11/29 12:00:00.000 AM	-329.54358	19.525986	-37.984646	9.9999998E16	1.9	90.55429
2025/11/29 12:00:00.000 AM - 2025/11/30 12:00:00.000 AM	-203.0937	13.403844	28.223667	77.74616	1.9	134.94707
2025/11/30 12:00:00.000 AM - 2025/12/01 12:00:00.000 AM	25.799458	6.3923907	89.52753	227.59113	1.9	135.28377
2025/12/01 12:00:00.000 AM - 2025/12/02 12:00:00.000 AM	27.002968	6.429403	84.990234	269.4915	1.9	137.23036
2025/12/02 12:00:00.000 AM - 2025/12/03 12:00:00.000 AM	26.568102	6.316261	95.57544	180.0355	1.9	138.50334
2025/12/03 12:00:00.000 AM - 2025/12/04 12:00:00.000 AM	16.841763	6.1599827	96.137375	319.84085	1.9	138.94939
2025/12/04 12:00:00.000 AM - 2025/12/05 12:00:00.000 AM	0.0463742	6.000271	93.43272	324.69238	1.9	139.03923
2025/12/05 12:00:00.000 AM - 2025/12/06 12:00:00.000 AM	0.0242164	5.979878	89.08135	208.9736	1.9	138.97853
2025/12/06 12:00:00.000 AM - 2025/12/07 12:00:00.000 AM	0.0753004	6.3128467	86.00025	235.91663	1.9	137.37253
2025/12/07 12:00:00.000 AM - 2025/12/08 12:00:00.000 AM	0.0739147	6.184098	73.765114	279.06177	1.9	139.05504
2025/12/08 12:00:00.000 AM - 2025/12/09 12:00:00.000 AM	0.0002508	6.136954	80.995316	207.93059	1.9	136.94286
2025/12/09 12:00:00.000 AM - 2025/12/10 12:00:00.000 AM	0.0268231	6.1123567	81.80074	199.2455	1.9	138.26376
2025/12/10 12:00:00.000 AM - 2025/12/11 12:00:00.000 AM	0.0517907	6.1406393	75.06787	201.63521	1.9	138.50122
2025/12/11 12:00:00.000 AM - 2025/12/12 12:00:00.000 AM	0.0217597	5.997587	70.91628	215.6577	1.9	139.06454
2025/12/12 12:00:00.000 AM - 2025/12/13 12:00:00.000 AM	0.0264207	6.058169	72.85891	162.20189	1.9	138.70583
2025/12/13 12:00:00.000 AM - 2025/12/14 12:00:00.000 AM	0.0365305	6.124686	79.82887	163.57494	1.9	138.55086
2025/12/14 12:00:00.000 AM - 2025/12/15 12:00:00.000 AM	0.0020353	6.1976066	81.67141	187.98166	1.9	136.91856
2025/12/15 12:00:00.000 AM - 2025/12/16 12:00:00.000 AM	0.0102208	5.9544983	87.0064	222.55647	1.9	139.23486
2025/12/16 12:00:00.000 AM - 2025/12/17 12:00:00.000 AM	0.041506	5.9690375	83.32422	208.6457	1.9	140.15675
2025/12/17 12:00:00.000 AM - 2025/12/18 12:00:00.000 AM	0.0915649	6.0673795	73.193054	254.76207	1.9	138.0564
2025/12/18 12:00:00.000 AM - 2025/12/19 12:00:00.000 AM	0.2642513	6.1305995	70.903145	312.303	1.9	137.5502
2025/12/19 12:00:00.000 AM - 2025/12/20 12:00:00.000 AM	0.8701281	6.155417	74.36777	213.28537	1.9	137.18628
2025/12/20 12:00:00.000 AM - 2025/12/21 12:00:00.000 AM	2.160631	6.1425223	78.372574	166.27666	1.9	137.90341

## Analog Interval Report

Name:

Created at: 2026/01/26 04:06:10.962 PM

Time: From 2025/07/01 12:00:00.000 AM To 2025/12/31 12:00:00.000 AM

Time	Tag1	Tag2	Tag3	Tag4	Tag5	Tag6
2025/12/21 12:00:00.000 AM - 2025/12/22 12:00:00.000 AM	3.178254	6.1878786	75.11465	227.56723	1.9	135.48221
2025/12/22 12:00:00.000 AM - 2025/12/23 12:00:00.000 AM	4.1668973	5.9471655	71.68727	175.54556	1.9	136.41017
2025/12/23 12:00:00.000 AM - 2025/12/24 12:00:00.000 AM	5.216033	5.4877777	73.68818	263.97107	1.9	139.59714
2025/12/24 12:00:00.000 AM - 2025/12/25 12:00:00.000 AM	6.607952	5.6257486	74.60597	235.86221	1.9	140.39058
2025/12/25 12:00:00.000 AM - 2025/12/26 12:00:00.000 AM	8.167846	5.550045	67.290634	243.65826	1.9	138.97353
2025/12/26 12:00:00.000 AM - 2025/12/27 12:00:00.000 AM	4.2837934	5.7044716	67.42817	269.1074	1.9	138.5004
2025/12/27 12:00:00.000 AM - 2025/12/28 12:00:00.000 AM	0.788596	5.612702	74.033615	234.24245	1.9	139.14565
2025/12/28 12:00:00.000 AM - 2025/12/29 12:00:00.000 AM	1.7377363	5.7017994	78.6186	264.52823	1.9	139.40042
2025/12/29 12:00:00.000 AM - 2025/12/30 12:00:00.000 AM	2.9311383	5.588824	81.15051	214.91165	1.9	140.66241
2025/12/30 12:00:00.000 AM - 2025/12/31 12:00:00.000 AM	4.1083174	5.6835513	78.969894	157.72015	1.9	140.015

## ภาคผนวก ค-3

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ใบรับรองผลการตรวจวัดคุณภาพอากาศจากปล่องระบาย (ตรวจวัดแบบสุ่ม)



## Analysis / Test Report

TESTING  
No.0009

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573116**

Date Received : Sep 25, 2025  
Date Reported : Oct 08, 2025  
Report Number: 3423582-1

Page 1 of 2

**Sample Number** 2573116-1  
**Sampled Date** Sep 23, 2025  
**Sample Description** Emission from Stationary Source  
**Location** ปล่องระบายมลสารของโรงไฟฟ้า  
**Date Analysis Commenced** Sep 26, 2025  
**Condition of Sample** Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one 10-L air sampling bag and one amber plastic bottle, refrigerated

### Stack Description

Ambient Pressure	738	mmHg	Diameter	4.21	m	Oxygen	6.9	%
Ambient Temperature	31.6	°C	Shape	Circle		Carbon Dioxide	11.4	%
Type of Process	Combustion		Stack Temperature	135	°C	Gas Velocity	7.8	m/s
Type of Fuel	Biomass (Wood+Husk)		Moisture	16.41	%	Flow Rate (Actual O2)	230826	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 %O <sub>2</sub>	at 6.9 % O <sub>2</sub>				
Air Testing										
Oxides of Nitrogen *	02:30 PM - 02:40 PM	ppm	-	1.06	69.8	70.30	106.58	200	U.S. Environmental Protection Agency, EPA Method 7	Bangkok
Sulfur dioxide *	02:20 PM - 02:50 PM	ppm	-	2.0	<2.00	<2.00	54.69	60	U.S. Environmental Protection Agency, EPA Method 6	Bangkok
Total Suspended Particulate	02:20 PM - 03:08 PM	mg/m3	-	0.5	13.2	13.29	44.66	120	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Buayai Bio Power Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-0011

Approved by

*Kanok Korn Anek*

Kanok Korn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.  
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## Analysis / Test Report

TESTING  
No.0009

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573116**

Date Received : Sep 25, 2025  
Date Reported : Oct 08, 2025  
Report Number: 3423582-1

Page 2 of 2

<b>Sample Number</b>	2573116-1
<b>Sampled Date</b>	Sep 23, 2025
<b>Sample Description</b>	Emission from Stationary Source
<b>Location</b>	ปล่อยระบายมลสารของโรงไฟฟ้า
<b>Date Analysis Commenced</b>	Sep 26, 2025
<b>Condition of Sample</b>	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one 10-L air sampling bag and one amber plastic bottle, refrigerated

### Stack Description

Ambient Pressure	738	mmHg	Diameter	4.21	m	Oxygen	6.9	%
Ambient Temperature	31.6	°C	Shape	Circle		Carbon Dioxide	11.4	%
Type of Process	Combustion		Stack Temperature	135	°C	Gas Velocity	7.8	m/s
Type of Fuel	Biomass (Wood+Husk)		Moisture	16.41	%	Flow Rate (Actual O2)	230826	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Oxides of Nitrogen *	02:30 PM - 02:40 PM	g/s	-	-	8.47	17.77	-	Calculated	Bangkok
Sulfur dioxide *	02:20 PM - 02:50 PM	g/s	-	-	<0.3	12.70	-	Calculated	Bangkok
Total Suspended Particulate *	02:20 PM - 03:08 PM	g/s	-	-	0.85	3.63	-	Calculated	Bangkok

### Guideline :

Guideline (1) Environmental Impact Assessment Report of Buayai Bio Power Co., Ltd.  
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

### Note:

This Analysis test report is reissued to supersede report No.3374419-1, Date Reported : Oct 03, 2025 due to revise analytical information.

**Sampling By :** AnechaTansamai ทะเบียนเลขที่ ว-204-จ-0112 , Navaphut Sriviriya ทะเบียนเลขที่ ว-204-จ-0066

### 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.

Technical Management

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-0011

Approved by

*Kanok Korn Anek*  
Kanok Korn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573116**

Date Received : Sep 25, 2025  
Date Reported : Oct 08, 2025  
Report Number: 3423582-2

Page 1 of 2

**Sample Number** 2573116-1  
**Sampled Date** Sep 23, 2025  
**Sample Description** Emission from Stationary Source  
**Location** ปล่องระบายมลสารของโรงไฟฟ้า  
**Date Analysis Commenced** Sep 26, 2025  
**Condition of Sample** Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one 10-L air sampling bag and one amber plastic bottle, refrigerated

### Stack Description

Ambient Pressure	738	mmHg	Diameter	4.21	m	Oxygen	6.9	%
Ambient Temperature	31.6	°C	Shape	Circle		Carbon Dioxide	11.4	%
Type of Process	Combustion		Stack Temperature	135	°C	Gas Velocity	7.8	m/s
Type of Fuel	Biomass (Wood+Husk)		Moisture	16.41	%	Flow Rate (Actual O2)	230826	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Result at 6.9 % O <sub>2</sub>	Guideline Limit	Method	Testing Location
<b>Air Testing</b>									
Carbon Monoxide *	02:40 PM - 02:50 PM	ppm	-	1.0	256	257.84	690	U.S. Environmental Protection Agency, EPA Method 10	Bangkok

### Guideline :

Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-0011

Approved by

*Kanok Korn Anek*

Kanok Korn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573116**

Date Received : Sep 25, 2025  
Date Reported : Oct 08, 2025  
Report Number: 3423582-2

Page 2 of 2

<b>Sample Number</b>	2573116-1
<b>Sampled Date</b>	Sep 23, 2025
<b>Sample Description</b>	Emission from Stationary Source
<b>Location</b>	ปล่องระบายมลสารของโรงไฟฟ้า
<b>Date Analysis Commenced</b>	Sep 26, 2025
<b>Condition of Sample</b>	Extracted into two 2-L collection flasks, one filter paper placed in plastic petri dish, one 10-L air sampling bag and one amber plastic bottle, refrigerated

### Stack Description

Ambient Pressure	738	mmHg	Diameter	4.21	m	Oxygen	6.9	%
Ambient Temperature	31.6	°C	Shape	Circle		Carbon Dioxide	11.4	%
Type of Process	Combustion		Stack Temperature	135	°C	Gas Velocity	7.8	m/s
Type of Fuel	Biomass (Wood+Husk)		Moisture	16.41	%	Flow Rate (Actual O2)	230826	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline Limit	Method	Testing Location
<b>Air Testing</b>								
Carbon Monoxide *	02:40 PM - 02:50 PM	g/s	-	-	18.900	No Standard	Calculated	Bangkok

**Note:**  
This Analysis test report is reissued to supersede report No.3374419-1, Date Reported : Oct 03, 2025 due to revise analytical information.

**Sampled By :** AnechaTansamai , Navaphut Sriviriya

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.

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-0011

Approved by

*Kanok Korn Anek*

Kanokkorn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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## ภาคผนวก ค-4

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ใบรับรองผลการตรวจวัดระดับเสียงโดยทั่วไป





## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420264-1

Page 1 of 1

**Sample Number** 2573108-1  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** Sep 19 - Sep 20, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709778

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.3	75.6	46.7
11:00 AM - 12:00 PM	49.6	68.1	41.7
12:00 PM - 01:00 PM	41.1	68.6	37.4
01:00 PM - 02:00 PM	45.5	60.3	40.7
02:00 PM - 03:00 PM	43.7	58.9	39.3
03:00 PM - 04:00 PM	62.8	88.1	59.2
04:00 PM - 05:00 PM	62.1	81.0	60.6
05:00 PM - 06:00 PM	54.7	70.7	50.0
06:00 PM - 07:00 PM	68.2	75.8	65.0
07:00 PM - 08:00 PM	69.0	74.9	65.6
08:00 PM - 09:00 PM	68.7	76.2	62.2
09:00 PM - 10:00 PM	68.0	77.8	60.7
10:00 PM - 11:00 PM	63.3	81.1	59.1
11:00 PM - 12:00 AM	63.3	72.4	60.6
12:00 AM - 01:00 AM	63.3	81.0	60.6
01:00 AM - 02:00 AM	63.0	81.7	58.7
02:00 AM - 03:00 AM	67.4	79.1	57.6
03:00 AM - 04:00 AM	63.1	77.2	55.5
04:00 AM - 05:00 AM	64.5	78.5	54.5
05:00 AM - 06:00 AM	51.4	73.0	47.3
06:00 AM - 07:00 AM	44.5	63.5	42.3
07:00 AM - 08:00 AM	51.1	84.2	43.2
08:00 AM - 09:00 AM	50.1	65.8	44.7
09:00 AM - 10:00 AM	52.8	78.3	47.4

Leq Average 24 hrs. (dB(A)) 63.3  
Lmax (dB(A)) 88.1  
L90 (dB(A)) 54.5  
Ldn (dB(A)) 69.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420265-1

Page 1 of 1

**Sample Number** 2573108-2  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** Sep 20 - Sep 21, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709778

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.7	75.8	44.8
11:00 AM - 12:00 PM	47.8	69.7	40.5
12:00 PM - 01:00 PM	41.8	66.0	37.7
01:00 PM - 02:00 PM	46.0	70.9	38.6
02:00 PM - 03:00 PM	51.6	74.4	43.0
03:00 PM - 04:00 PM	48.1	69.9	39.1
04:00 PM - 05:00 PM	45.2	68.7	41.6
05:00 PM - 06:00 PM	42.7	63.9	39.8
06:00 PM - 07:00 PM	48.8	61.9	46.7
07:00 PM - 08:00 PM	59.8	68.7	58.0
08:00 PM - 09:00 PM	65.2	71.3	63.3
09:00 PM - 10:00 PM	65.2	74.9	64.1
10:00 PM - 11:00 PM	63.3	72.5	62.7
11:00 PM - 12:00 AM	63.2	70.9	62.0
12:00 AM - 01:00 AM	62.5	77.1	61.8
01:00 AM - 02:00 AM	61.8	77.4	60.8
02:00 AM - 03:00 AM	60.7	72.6	59.9
03:00 AM - 04:00 AM	61.6	90.9	58.7
04:00 AM - 05:00 AM	66.1	78.9	58.1
05:00 AM - 06:00 AM	55.8	76.1	52.5
06:00 AM - 07:00 AM	44.4	62.9	41.3
07:00 AM - 08:00 AM	42.0	58.6	39.5
08:00 AM - 09:00 AM	43.6	60.7	39.7
09:00 AM - 10:00 AM	45.4	65.6	39.1

Leq Average 24 hrs. (dB(A)) 59.8  
Lmax (dB(A)) 90.9  
L90 (dB(A)) 44.8  
Ldn (dB(A)) 68.1

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420266-1

Page 1 of 1

**Sample Number** 2573108-3  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** Sep 21 - Sep 22, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709778

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	44.4	65.5	38.9
11:00 AM - 12:00 PM	46.7	65.7	38.7
12:00 PM - 01:00 PM	41.9	56.2	39.2
01:00 PM - 02:00 PM	44.8	60.2	40.3
02:00 PM - 03:00 PM	46.5	66.4	39.7
03:00 PM - 04:00 PM	44.3	66.5	36.7
04:00 PM - 05:00 PM	45.7	70.2	41.8
05:00 PM - 06:00 PM	43.3	63.2	39.9
06:00 PM - 07:00 PM	47.1	54.2	45.8
07:00 PM - 08:00 PM	49.7	57.0	48.9
08:00 PM - 09:00 PM	58.5	69.6	57.2
09:00 PM - 10:00 PM	61.6	69.9	60.5
10:00 PM - 11:00 PM	64.8	71.4	61.9
11:00 PM - 12:00 AM	64.3	76.8	61.3
12:00 AM - 01:00 AM	59.7	67.9	59.1
01:00 AM - 02:00 AM	57.8	63.8	56.7
02:00 AM - 03:00 AM	56.3	63.5	55.7
03:00 AM - 04:00 AM	53.3	68.2	51.2
04:00 AM - 05:00 AM	57.1	69.5	56.5
05:00 AM - 06:00 AM	52.0	63.7	50.7
06:00 AM - 07:00 AM	45.4	69.4	41.1
07:00 AM - 08:00 AM	45.0	62.9	41.7
08:00 AM - 09:00 AM	49.5	76.1	43.4
09:00 AM - 10:00 AM	52.0	77.4	45.7

Leq Average 24 hrs. (dB(A)) 56.8  
Lmax (dB(A)) 77.4  
L90 (dB(A)) 45.7  
Ldn (dB(A)) 65.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420267-1

Page 1 of 1

**Sample Number** 2573108-4  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** Sep 22 - Sep 23, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709778

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.2	71.5	44.6
11:00 AM - 12:00 PM	51.5	74.7	44.1
12:00 PM - 01:00 PM	40.8	65.3	37.4
01:00 PM - 02:00 PM	49.0	68.4	43.0
02:00 PM - 03:00 PM	48.7	70.4	44.0
03:00 PM - 04:00 PM	48.0	78.1	40.9
04:00 PM - 05:00 PM	58.2	83.6	56.5
05:00 PM - 06:00 PM	58.7	80.8	57.5
06:00 PM - 07:00 PM	55.3	77.5	54.4
07:00 PM - 08:00 PM	52.7	66.9	48.9
08:00 PM - 09:00 PM	63.8	80.4	57.4
09:00 PM - 10:00 PM	62.8	76.2	56.8
10:00 PM - 11:00 PM	61.2	75.4	57.9
11:00 PM - 12:00 AM	60.0	73.2	58.3
12:00 AM - 01:00 AM	61.6	72.2	60.6
01:00 AM - 02:00 AM	62.4	68.7	61.9
02:00 AM - 03:00 AM	62.3	75.4	61.4
03:00 AM - 04:00 AM	60.4	77.7	57.7
04:00 AM - 05:00 AM	59.9	78.4	50.4
05:00 AM - 06:00 AM	56.0	77.7	52.4
06:00 AM - 07:00 AM	45.4	65.4	41.2
07:00 AM - 08:00 AM	45.4	59.9	41.1
08:00 AM - 09:00 AM	48.1	75.4	43.9
09:00 AM - 10:00 AM	51.4	73.6	44.3

Leq Average 24 hrs. (dB(A)) 58.4  
Lmax (dB(A)) 83.6  
L90 (dB(A)) 50.4  
Ldn (dB(A)) 66.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

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Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420268-1

Page 1 of 1

**Sample Number** 2573108-5  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** Sep 23 - Sep 24, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709778

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.6	73.8	46.5
11:00 AM - 12:00 PM	52.1	75.7	45.3
12:00 PM - 01:00 PM	47.6	73.6	41.0
01:00 PM - 02:00 PM	49.4	66.7	44.7
02:00 PM - 03:00 PM	50.6	70.2	44.8
03:00 PM - 04:00 PM	46.5	68.5	42.0
04:00 PM - 05:00 PM	45.6	64.6	41.5
05:00 PM - 06:00 PM	42.1	60.0	39.4
06:00 PM - 07:00 PM	47.5	56.7	45.9
07:00 PM - 08:00 PM	50.5	68.3	49.0
08:00 PM - 09:00 PM	52.0	72.6	49.1
09:00 PM - 10:00 PM	55.6	69.1	53.3
10:00 PM - 11:00 PM	59.9	69.8	59.3
11:00 PM - 12:00 AM	59.9	75.3	58.9
12:00 AM - 01:00 AM	59.7	74.3	58.4
01:00 AM - 02:00 AM	56.1	76.8	55.2
02:00 AM - 03:00 AM	55.3	57.3	54.9
03:00 AM - 04:00 AM	53.5	58.9	52.6
04:00 AM - 05:00 AM	49.4	66.5	47.9
05:00 AM - 06:00 AM	45.2	64.2	43.4
06:00 AM - 07:00 AM	43.7	66.3	40.3
07:00 AM - 08:00 AM	44.5	67.7	39.6
08:00 AM - 09:00 AM	44.5	73.1	39.7
09:00 AM - 10:00 AM	52.7	74.7	47.1

Leq Average 24 hrs. (dB(A)) 53.7  
Lmax (dB(A)) 76.8  
L90 (dB(A)) 45.9  
Ldn (dB(A)) 62.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420269-1

Page 1 of 1

**Sample Number** 2573108-6  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** Sep 24 - Sep 25, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709778

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.0	75.4	49.9
11:00 AM - 12:00 PM	51.0	67.3	44.8
12:00 PM - 01:00 PM	46.8	78.2	36.7
01:00 PM - 02:00 PM	51.0	67.9	43.9
02:00 PM - 03:00 PM	51.9	71.4	44.6
03:00 PM - 04:00 PM	49.8	73.6	42.6
04:00 PM - 05:00 PM	47.3	65.1	42.2
05:00 PM - 06:00 PM	48.3	70.2	41.8
06:00 PM - 07:00 PM	47.1	57.6	45.5
07:00 PM - 08:00 PM	48.5	52.2	47.6
08:00 PM - 09:00 PM	50.4	72.0	49.0
09:00 PM - 10:00 PM	62.1	67.0	60.7
10:00 PM - 11:00 PM	64.1	67.3	63.7
11:00 PM - 12:00 AM	65.6	72.3	65.3
12:00 AM - 01:00 AM	64.1	68.2	63.5
01:00 AM - 02:00 AM	64.7	70.5	64.4
02:00 AM - 03:00 AM	64.1	68.4	63.3
03:00 AM - 04:00 AM	56.2	64.4	55.6
04:00 AM - 05:00 AM	48.3	55.9	47.2
05:00 AM - 06:00 AM	49.3	69.9	44.7
06:00 AM - 07:00 AM	54.3	79.5	42.6
07:00 AM - 08:00 AM	42.9	63.8	38.9
08:00 AM - 09:00 AM	47.6	69.4	45.2
09:00 AM - 10:00 AM	51.4	72.7	47.7

Leq Average 24 hrs. (dB(A)) 58.8  
Lmax (dB(A)) 79.5  
L90 (dB(A)) 45.5  
Ldn (dB(A)) 68.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420270-1

Page 1 of 1

**Sample Number** 2573108-7  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** Sep 25 - Sep 26, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709778

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.6	70.6	45.0
11:00 AM - 12:00 PM	50.8	70.3	44.0
12:00 PM - 01:00 PM	45.4	63.8	41.3
01:00 PM - 02:00 PM	53.7	79.1	43.2
02:00 PM - 03:00 PM	46.3	67.8	41.7
03:00 PM - 04:00 PM	48.2	68.1	41.3
04:00 PM - 05:00 PM	46.7	67.8	40.8
05:00 PM - 06:00 PM	50.0	74.8	43.7
06:00 PM - 07:00 PM	48.0	63.8	46.2
07:00 PM - 08:00 PM	48.1	59.0	47.4
08:00 PM - 09:00 PM	49.3	61.5	48.3
09:00 PM - 10:00 PM	56.8	63.8	56.2
10:00 PM - 11:00 PM	58.0	65.5	57.3
11:00 PM - 12:00 AM	58.3	70.4	57.5
12:00 AM - 01:00 AM	57.7	69.1	56.8
01:00 AM - 02:00 AM	57.1	66.1	56.4
02:00 AM - 03:00 AM	56.0	58.3	55.3
03:00 AM - 04:00 AM	51.1	58.3	50.4
04:00 AM - 05:00 AM	47.4	56.3	45.7
05:00 AM - 06:00 AM	43.4	55.2	41.6
06:00 AM - 07:00 AM	43.0	61.1	39.0
07:00 AM - 08:00 AM	42.3	61.4	39.1
08:00 AM - 09:00 AM	46.6	70.3	39.6
09:00 AM - 10:00 AM	56.0	81.7	48.8

Leq Average 24 hrs. (dB(A)) 53.1  
Lmax (dB(A)) 81.7  
L90 (dB(A)) 45.0  
Ldn (dB(A)) 61.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

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*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420271-1

Page 1 of 1

**Sample Number** 2573108-8  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดบ้านหนองแขวง (N2)  
**Measurement Date** Sep 19 - Sep 20, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709775

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	54.2	82.0	40.7
02:00 PM - 03:00 PM	53.0	82.6	40.7
03:00 PM - 04:00 PM	63.0	75.3	58.8
04:00 PM - 05:00 PM	63.6	79.5	59.8
05:00 PM - 06:00 PM	59.2	81.6	45.3
06:00 PM - 07:00 PM	57.0	83.9	49.2
07:00 PM - 08:00 PM	55.6	77.3	51.1
08:00 PM - 09:00 PM	54.5	73.0	49.5
09:00 PM - 10:00 PM	52.3	73.6	49.7
10:00 PM - 11:00 PM	53.1	74.4	49.8
11:00 PM - 12:00 AM	49.3	65.2	48.4
12:00 AM - 01:00 AM	60.0	73.6	56.5
01:00 AM - 02:00 AM	54.3	67.0	53.1
02:00 AM - 03:00 AM	54.1	69.9	53.1
03:00 AM - 04:00 AM	55.5	64.4	54.9
04:00 AM - 05:00 AM	56.1	78.5	54.3
05:00 AM - 06:00 AM	58.6	83.9	43.8
06:00 AM - 07:00 AM	55.5	76.3	43.7
07:00 AM - 08:00 AM	55.7	77.4	47.7
08:00 AM - 09:00 AM	54.6	82.2	43.2
09:00 AM - 10:00 AM	54.3	72.8	42.9
10:00 AM - 11:00 AM	54.0	70.9	42.6
11:00 AM - 12:00 PM	54.6	77.3	41.4
12:00 PM - 01:00 PM	53.9	74.4	41.4

Leq Average 24 hrs. (dB(A)) 57.1  
Lmax (dB(A)) 83.9  
L90 (dB(A)) 48.4  
Ldn (dB(A)) 62.8

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
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Technical Management

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Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head





## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420272-1

Page 1 of 1

**Sample Number** 2573108-9  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดบ้านหนองแขวง (N2)  
**Measurement Date** Sep 20 - Sep 21, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709775

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	54.1	84.7	40.7
02:00 PM - 03:00 PM	55.0	78.9	40.4
03:00 PM - 04:00 PM	52.7	74.9	40.3
04:00 PM - 05:00 PM	63.2	79.3	55.8
05:00 PM - 06:00 PM	59.2	80.0	43.4
06:00 PM - 07:00 PM	53.9	81.5	44.3
07:00 PM - 08:00 PM	54.3	79.4	46.4
08:00 PM - 09:00 PM	48.6	74.5	42.4
09:00 PM - 10:00 PM	52.4	79.5	42.9
10:00 PM - 11:00 PM	46.8	68.4	44.6
11:00 PM - 12:00 AM	48.5	72.1	44.5
12:00 AM - 01:00 AM	42.7	65.4	40.6
01:00 AM - 02:00 AM	48.4	74.5	40.3
02:00 AM - 03:00 AM	48.9	78.2	40.5
03:00 AM - 04:00 AM	40.8	59.4	39.5
04:00 AM - 05:00 AM	47.7	77.8	39.8
05:00 AM - 06:00 AM	59.6	83.4	40.2
06:00 AM - 07:00 AM	55.1	75.7	43.5
07:00 AM - 08:00 AM	56.3	82.5	41.3
08:00 AM - 09:00 AM	54.4	77.2	42.0
09:00 AM - 10:00 AM	52.8	72.4	43.3
10:00 AM - 11:00 AM	60.5	87.0	48.5
11:00 AM - 12:00 PM	54.3	88.2	41.6
12:00 PM - 01:00 PM	54.1	78.9	40.9

Leq Average 24 hrs. (dB(A)) 55.5  
Lmax (dB(A)) 88.2  
L90 (dB(A)) 41.6  
Ldn (dB(A)) 59.8

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420273-1

Page 1 of 1

**Sample Number** 2573108-10  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดบ้านหนองแขวง (N2)  
**Measurement Date** Sep 21 - Sep 22, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709775

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	54.1	82.2	40.8
02:00 PM - 03:00 PM	54.0	76.9	42.9
03:00 PM - 04:00 PM	52.0	77.4	43.6
04:00 PM - 05:00 PM	56.5	79.4	45.6
05:00 PM - 06:00 PM	57.2	83.6	46.6
06:00 PM - 07:00 PM	54.5	78.4	45.8
07:00 PM - 08:00 PM	54.1	86.9	44.6
08:00 PM - 09:00 PM	52.0	76.4	43.5
09:00 PM - 10:00 PM	47.7	71.1	42.4
10:00 PM - 11:00 PM	46.4	65.4	42.3
11:00 PM - 12:00 AM	49.2	77.4	42.5
12:00 AM - 01:00 AM	49.1	77.5	42.5
01:00 AM - 02:00 AM	47.7	68.3	42.2
02:00 AM - 03:00 AM	46.2	67.9	42.1
03:00 AM - 04:00 AM	48.0	72.9	42.4
04:00 AM - 05:00 AM	68.7	92.0	43.4
05:00 AM - 06:00 AM	71.6	89.3	45.4
06:00 AM - 07:00 AM	56.7	78.9	47.5
07:00 AM - 08:00 AM	56.1	79.4	45.9
08:00 AM - 09:00 AM	58.8	84.9	46.3
09:00 AM - 10:00 AM	53.5	75.4	47.4
10:00 AM - 11:00 AM	56.6	85.8	46.8
11:00 AM - 12:00 PM	54.1	78.0	45.2
12:00 PM - 01:00 PM	55.6	78.2	45.1

Leq Average 24 hrs. (dB(A)) 60.6  
Lmax (dB(A)) 92.0  
L90 (dB(A)) 43.6  
Ldn (dB(A)) 69.9

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number: 3420274-1

Page 1 of 1

**Sample Number** 2573108-11  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดบ้านหนองแขวง (N2)  
**Measurement Date** Sep 22 - Sep 23, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709775

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	61.0	75.9	52.6
02:00 PM - 03:00 PM	62.3	77.8	51.9
03:00 PM - 04:00 PM	54.3	75.4	47.4
04:00 PM - 05:00 PM	63.1	80.4	57.4
05:00 PM - 06:00 PM	67.3	82.0	60.7
06:00 PM - 07:00 PM	58.4	87.3	53.8
07:00 PM - 08:00 PM	49.1	75.3	42.8
08:00 PM - 09:00 PM	47.8	72.4	42.3
09:00 PM - 10:00 PM	46.9	67.7	43.0
10:00 PM - 11:00 PM	47.3	72.8	43.2
11:00 PM - 12:00 AM	51.7	81.8	41.8
12:00 AM - 01:00 AM	45.3	65.2	41.9
01:00 AM - 02:00 AM	47.0	70.8	43.6
02:00 AM - 03:00 AM	47.7	69.6	44.7
03:00 AM - 04:00 AM	51.0	66.4	46.8
04:00 AM - 05:00 AM	56.4	85.0	51.1
05:00 AM - 06:00 AM	59.8	83.6	42.7
06:00 AM - 07:00 AM	55.6	87.2	45.2
07:00 AM - 08:00 AM	54.5	74.5	44.4
08:00 AM - 09:00 AM	57.1	79.6	44.2
09:00 AM - 10:00 AM	57.7	79.1	45.7
10:00 AM - 11:00 AM	53.1	75.1	44.9
11:00 AM - 12:00 PM	54.4	78.2	44.8
12:00 PM - 01:00 PM	55.9	78.7	44.9

Leq Average 24 hrs. (dB(A)) 58.2  
Lmax (dB(A)) 87.3  
L90 (dB(A)) 44.8  
Ldn (dB(A)) 61.8

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

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Scientist (4)

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Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number: 3420275-1

Page 1 of 1

**Sample Number** 2573108-12  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดบ้านหนองแขวง (N2)  
**Measurement Date** Sep 23 - Sep 24, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709775

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	54.1	76.0	43.8
02:00 PM - 03:00 PM	53.5	72.4	43.6
03:00 PM - 04:00 PM	51.6	72.3	44.6
04:00 PM - 05:00 PM	59.7	75.3	51.9
05:00 PM - 06:00 PM	56.4	76.6	47.4
06:00 PM - 07:00 PM	57.5	81.9	44.5
07:00 PM - 08:00 PM	56.8	80.6	44.2
08:00 PM - 09:00 PM	52.7	81.5	45.0
09:00 PM - 10:00 PM	48.7	74.9	43.6
10:00 PM - 11:00 PM	47.6	68.4	43.8
11:00 PM - 12:00 AM	47.0	70.2	43.1
12:00 AM - 01:00 AM	48.1	75.0	41.1
01:00 AM - 02:00 AM	43.1	61.2	41.1
02:00 AM - 03:00 AM	47.6	74.2	41.5
03:00 AM - 04:00 AM	44.2	71.0	41.3
04:00 AM - 05:00 AM	46.7	73.3	41.4
05:00 AM - 06:00 AM	59.9	84.6	43.1
06:00 AM - 07:00 AM	54.5	75.8	44.9
07:00 AM - 08:00 AM	58.2	86.4	46.8
08:00 AM - 09:00 AM	54.0	79.7	43.8
09:00 AM - 10:00 AM	53.7	70.9	44.4
10:00 AM - 11:00 AM	53.3	74.3	43.1
11:00 AM - 12:00 PM	54.1	72.9	43.2
12:00 PM - 01:00 PM	54.2	72.2	44.2

Leq Average 24 hrs. (dB(A)) 54.5  
Lmax (dB(A)) 86.4  
L90 (dB(A)) 43.8  
Ldn (dB(A)) 59.4

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 04, 2025  
Report Number: 3420276-1

Page 1 of 1

**Sample Number** 2573108-13  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดบ้านหนองแขวง (N2)  
**Measurement Date** Sep 24 - Sep 25, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709775

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	54.9	76.3	43.5
02:00 PM - 03:00 PM	55.7	78.5	45.2
03:00 PM - 04:00 PM	53.3	76.7	43.6
04:00 PM - 05:00 PM	59.4	73.2	51.6
05:00 PM - 06:00 PM	55.6	75.9	43.7
06:00 PM - 07:00 PM	59.2	80.7	43.8
07:00 PM - 08:00 PM	56.1	78.6	43.3
08:00 PM - 09:00 PM	50.8	74.4	43.6
09:00 PM - 10:00 PM	48.6	72.5	42.6
10:00 PM - 11:00 PM	48.2	71.8	42.6
11:00 PM - 12:00 AM	46.5	68.7	42.9
12:00 AM - 01:00 AM	50.6	73.4	43.1
01:00 AM - 02:00 AM	47.5	71.6	42.1
02:00 AM - 03:00 AM	45.4	67.3	41.5
03:00 AM - 04:00 AM	45.8	67.0	41.7
04:00 AM - 05:00 AM	49.6	74.7	43.1
05:00 AM - 06:00 AM	61.8	89.8	43.8
06:00 AM - 07:00 AM	55.4	77.2	45.0
07:00 AM - 08:00 AM	55.1	75.0	45.5
08:00 AM - 09:00 AM	52.8	72.7	44.8
09:00 AM - 10:00 AM	53.7	79.3	45.1
10:00 AM - 11:00 AM	53.5	70.9	46.9
11:00 AM - 12:00 PM	53.5	71.7	45.5
12:00 PM - 01:00 PM	51.9	70.3	47.2

Leq Average 24 hrs. (dB(A)) 54.8  
Lmax (dB(A)) 89.8  
L90 (dB(A)) 43.6  
Ldn (dB(A)) 60.7

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 04, 2025  
Report Number: 3420277-1

Page 1 of 1

**Sample Number** 2573108-14  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดบ้านหนองแขวง (N2)  
**Measurement Date** Sep 25 - Sep 26, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709775

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	52.5	60.8	49.0
02:00 PM - 03:00 PM	60.0	83.1	51.2
03:00 PM - 04:00 PM	54.2	79.4	49.6
04:00 PM - 05:00 PM	55.0	79.7	48.2
05:00 PM - 06:00 PM	53.1	80.6	44.7
06:00 PM - 07:00 PM	49.6	75.5	44.2
07:00 PM - 08:00 PM	51.2	70.0	44.8
08:00 PM - 09:00 PM	48.8	75.7	43.4
09:00 PM - 10:00 PM	54.0	76.2	45.9
10:00 PM - 11:00 PM	50.9	73.5	45.8
11:00 PM - 12:00 AM	50.7	72.8	43.3
12:00 AM - 01:00 AM	50.4	74.3	42.8
01:00 AM - 02:00 AM	55.2	79.2	43.6
02:00 AM - 03:00 AM	48.3	69.8	42.8
03:00 AM - 04:00 AM	52.5	76.2	42.5
04:00 AM - 05:00 AM	50.8	74.2	42.0
05:00 AM - 06:00 AM	54.2	86.4	42.2
06:00 AM - 07:00 AM	47.0	63.7	42.3
07:00 AM - 08:00 AM	57.4	89.6	43.0
08:00 AM - 09:00 AM	48.0	73.7	41.6
09:00 AM - 10:00 AM	53.8	84.7	40.7
10:00 AM - 11:00 AM	54.7	78.4	40.2
11:00 AM - 12:00 PM	51.9	71.1	39.5
12:00 PM - 01:00 PM	59.6	77.3	52.0

Leq Average 24 hrs. (dB(A)) 54.0  
Lmax (dB(A)) 89.6  
L90 (dB(A)) 43.3  
Ldn (dB(A)) 58.8

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 04, 2025  
Report Number: 3420278-1

Page 1 of 1

**Sample Number** 2573108-15  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดป่าประชาธรรมนิคม (N3)  
**Measurement Date** Sep 19 - Sep 20, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709776

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.0	66.8	38.7
01:00 PM - 02:00 PM	45.4	63.2	38.6
02:00 PM - 03:00 PM	45.4	67.3	38.7
03:00 PM - 04:00 PM	59.9	75.1	56.0
04:00 PM - 05:00 PM	60.3	73.8	58.4
05:00 PM - 06:00 PM	47.2	72.8	41.8
06:00 PM - 07:00 PM	44.7	64.5	42.6
07:00 PM - 08:00 PM	65.3	88.1	43.6
08:00 PM - 09:00 PM	48.2	73.7	46.7
09:00 PM - 10:00 PM	51.7	67.3	48.8
10:00 PM - 11:00 PM	50.5	70.1	48.2
11:00 PM - 12:00 AM	47.1	60.4	45.6
12:00 AM - 01:00 AM	48.3	69.8	46.6
01:00 AM - 02:00 AM	53.3	72.0	50.3
02:00 AM - 03:00 AM	47.5	82.3	41.2
03:00 AM - 04:00 AM	44.7	57.4	41.7
04:00 AM - 05:00 AM	47.3	61.0	44.9
05:00 AM - 06:00 AM	46.7	67.8	41.9
06:00 AM - 07:00 AM	50.7	69.9	41.1
07:00 AM - 08:00 AM	53.0	71.5	42.3
08:00 AM - 09:00 AM	49.5	71.7	40.1
09:00 AM - 10:00 AM	50.7	67.5	41.3
10:00 AM - 11:00 AM	47.6	73.9	40.2
11:00 AM - 12:00 PM	48.2	69.7	39.4

Leq Average 24 hrs. (dB(A)) 54.7  
Lmax (dB(A)) 88.1  
L90 (dB(A)) 41.9  
Ldn (dB(A)) 57.6

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025

Date Reported : Oct 04, 2025

Report Number: 3420279-1

Page 1 of 1

**Sample Number** 2573108-16  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดป่าประชาธรรมนิคม (N3)  
**Measurement Date** Sep 20 - Sep 21, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709776

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	44.4	66.3	38.3
01:00 PM - 02:00 PM	44.1	67.6	38.6
02:00 PM - 03:00 PM	42.9	66.2	37.9
03:00 PM - 04:00 PM	46.0	67.9	37.9
04:00 PM - 05:00 PM	46.9	69.2	39.4
05:00 PM - 06:00 PM	50.4	73.3	40.6
06:00 PM - 07:00 PM	45.6	66.5	43.1
07:00 PM - 08:00 PM	46.3	65.4	44.7
08:00 PM - 09:00 PM	58.6	83.0	45.3
09:00 PM - 10:00 PM	48.1	61.9	46.0
10:00 PM - 11:00 PM	50.1	77.4	46.4
11:00 PM - 12:00 AM	51.8	85.5	44.8
12:00 AM - 01:00 AM	55.1	81.2	48.7
01:00 AM - 02:00 AM	57.7	91.7	48.9
02:00 AM - 03:00 AM	52.4	59.2	48.6
03:00 AM - 04:00 AM	51.3	63.2	46.1
04:00 AM - 05:00 AM	50.7	75.4	45.0
05:00 AM - 06:00 AM	50.2	77.9	44.3
06:00 AM - 07:00 AM	54.1	73.3	44.4
07:00 AM - 08:00 AM	50.3	78.3	41.8
08:00 AM - 09:00 AM	50.6	69.4	43.3
09:00 AM - 10:00 AM	49.0	66.4	44.1
10:00 AM - 11:00 AM	45.9	61.9	41.7
11:00 AM - 12:00 PM	44.9	67.9	41.3

Leq Average 24 hrs. (dB(A)) 51.6  
Lmax (dB(A)) 91.7  
L90 (dB(A)) 44.1  
Ldn (dB(A)) 59.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head





## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 04, 2025  
Report Number: 3420280-1

Page 1 of 1

**Sample Number** 2573108-17  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดป่าประชาธรรมนิคม (N3)  
**Measurement Date** Sep 21 - Sep 22, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709776

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.1	67.2	40.4
01:00 PM - 02:00 PM	45.5	65.4	40.7
02:00 PM - 03:00 PM	46.7	68.2	43.2
03:00 PM - 04:00 PM	47.5	77.7	40.7
04:00 PM - 05:00 PM	47.9	65.2	41.4
05:00 PM - 06:00 PM	54.0	78.5	42.8
06:00 PM - 07:00 PM	51.1	70.5	47.3
07:00 PM - 08:00 PM	52.4	70.1	49.4
08:00 PM - 09:00 PM	49.1	68.5	46.4
09:00 PM - 10:00 PM	47.5	65.5	46.2
10:00 PM - 11:00 PM	49.3	68.9	45.9
11:00 PM - 12:00 AM	53.0	87.0	46.3
12:00 AM - 01:00 AM	51.0	68.7	48.0
01:00 AM - 02:00 AM	46.5	53.9	44.1
02:00 AM - 03:00 AM	44.8	70.4	40.6
03:00 AM - 04:00 AM	41.5	59.0	38.9
04:00 AM - 05:00 AM	42.9	65.8	40.3
05:00 AM - 06:00 AM	45.9	65.3	41.6
06:00 AM - 07:00 AM	52.5	69.1	43.5
07:00 AM - 08:00 AM	49.7	70.0	44.2
08:00 AM - 09:00 AM	51.5	67.8	45.3
09:00 AM - 10:00 AM	51.1	68.6	45.6
10:00 AM - 11:00 AM	49.5	75.5	45.3
11:00 AM - 12:00 PM	46.5	68.7	43.3

Leq Average 24 hrs. (dB(A)) 49.5  
Lmax (dB(A)) 87.0  
L90 (dB(A)) 43.5  
Ldn (dB(A)) 55.6

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 04, 2025  
Report Number: 3420281-1

Page 1 of 1

**Sample Number** 2573108-18  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดป่าประชาธรรมนิคม (N3)  
**Measurement Date** Sep 22 - Sep 23, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709776

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	48.3	71.4	43.9
01:00 PM - 02:00 PM	50.4	67.5	45.0
02:00 PM - 03:00 PM	51.3	82.9	46.1
03:00 PM - 04:00 PM	48.8	76.1	46.0
04:00 PM - 05:00 PM	55.6	73.9	53.9
05:00 PM - 06:00 PM	55.8	75.3	54.1
06:00 PM - 07:00 PM	49.4	68.9	48.1
07:00 PM - 08:00 PM	46.6	70.2	43.0
08:00 PM - 09:00 PM	48.4	64.8	47.3
09:00 PM - 10:00 PM	44.5	72.1	42.0
10:00 PM - 11:00 PM	46.2	61.9	45.2
11:00 PM - 12:00 AM	48.4	72.9	47.6
12:00 AM - 01:00 AM	48.0	56.0	47.3
01:00 AM - 02:00 AM	49.0	76.1	47.3
02:00 AM - 03:00 AM	57.0	74.6	54.8
03:00 AM - 04:00 AM	52.1	84.4	43.4
04:00 AM - 05:00 AM	54.0	72.8	53.0
05:00 AM - 06:00 AM	56.0	69.3	54.6
06:00 AM - 07:00 AM	52.5	68.9	43.3
07:00 AM - 08:00 AM	50.3	70.7	42.0
08:00 AM - 09:00 AM	50.8	70.7	43.3
09:00 AM - 10:00 AM	51.0	69.2	44.7
10:00 AM - 11:00 AM	58.6	73.5	52.0
11:00 AM - 12:00 PM	50.7	69.5	44.1

Leq Average 24 hrs. (dB(A)) 52.5  
Lmax (dB(A)) 84.4  
L90 (dB(A)) 46.0  
Ldn (dB(A)) 59.2

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 04, 2025  
Report Number: 3420282-1

Page 1 of 1

**Sample Number** 2573108-19  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดป่าประชาธรรมนิคม (N3)  
**Measurement Date** Sep 23 - Sep 24, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709776

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	46.9	66.9	42.7
01:00 PM - 02:00 PM	53.1	92.7	41.7
02:00 PM - 03:00 PM	45.5	65.6	41.9
03:00 PM - 04:00 PM	47.1	69.7	42.1
04:00 PM - 05:00 PM	46.5	65.1	42.2
05:00 PM - 06:00 PM	47.6	68.7	42.0
06:00 PM - 07:00 PM	52.8	70.5	50.3
07:00 PM - 08:00 PM	59.0	84.4	45.8
08:00 PM - 09:00 PM	49.2	83.9	44.0
09:00 PM - 10:00 PM	53.2	77.9	43.7
10:00 PM - 11:00 PM	45.5	61.8	43.1
11:00 PM - 12:00 AM	45.5	62.7	42.8
12:00 AM - 01:00 AM	56.3	82.9	41.5
01:00 AM - 02:00 AM	43.8	62.9	42.0
02:00 AM - 03:00 AM	43.6	74.5	39.5
03:00 AM - 04:00 AM	41.0	57.1	39.1
04:00 AM - 05:00 AM	42.6	65.0	39.6
05:00 AM - 06:00 AM	50.2	68.3	41.8
06:00 AM - 07:00 AM	52.4	71.0	43.2
07:00 AM - 08:00 AM	50.7	67.0	43.8
08:00 AM - 09:00 AM	51.5	66.2	44.7
09:00 AM - 10:00 AM	49.9	67.5	43.7
10:00 AM - 11:00 AM	48.5	69.7	42.0
11:00 AM - 12:00 PM	48.5	66.4	40.9

Leq Average 24 hrs. (dB(A)) 51.1  
Lmax (dB(A)) 92.7  
L90 (dB(A)) 42.1  
Ldn (dB(A)) 56.5

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 04, 2025  
Report Number: 3420283-1

Page 1 of 1

**Sample Number** 2573108-20  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดป่าประชาธรรมนิคม (N3)  
**Measurement Date** Sep 24 - Sep 25, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709776

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	46.6	68.2	39.5
01:00 PM - 02:00 PM	46.1	71.3	40.8
02:00 PM - 03:00 PM	49.0	67.7	42.3
03:00 PM - 04:00 PM	49.0	69.6	41.4
04:00 PM - 05:00 PM	50.9	71.9	43.6
05:00 PM - 06:00 PM	49.9	67.6	42.7
06:00 PM - 07:00 PM	47.1	77.1	42.0
07:00 PM - 08:00 PM	47.9	66.5	42.9
08:00 PM - 09:00 PM	47.9	78.4	42.6
09:00 PM - 10:00 PM	44.1	66.8	41.4
10:00 PM - 11:00 PM	45.7	65.3	42.5
11:00 PM - 12:00 AM	43.8	58.3	42.2
12:00 AM - 01:00 AM	42.7	58.7	40.7
01:00 AM - 02:00 AM	41.0	55.7	39.6
02:00 AM - 03:00 AM	41.7	57.1	39.8
03:00 AM - 04:00 AM	47.3	75.8	40.2
04:00 AM - 05:00 AM	45.1	82.4	40.6
05:00 AM - 06:00 AM	48.2	69.0	41.1
06:00 AM - 07:00 AM	55.7	71.8	46.5
07:00 AM - 08:00 AM	51.1	69.5	42.6
08:00 AM - 09:00 AM	52.0	68.9	44.7
09:00 AM - 10:00 AM	51.4	70.0	45.8
10:00 AM - 11:00 AM	51.4	69.9	45.1
11:00 AM - 12:00 PM	49.3	70.1	43.1

Leq Average 24 hrs. (dB(A)) 49.1  
Lmax (dB(A)) 82.4  
L90 (dB(A)) 42.2  
Ldn (dB(A)) 55.0

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573108**

Date Received : Sep 30, 2025  
Date Reported : Oct 04, 2025  
Report Number: 3420284-1

Page 1 of 1

**Sample Number** 2573108-21  
**Parameter** Noise (Leq 24 hrs.)  
**Location** วัดป่าประชาธรรมนิคม (N3)  
**Measurement Date** Sep 25 - Sep 26, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 709776

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.5	65.9	42.7
01:00 PM - 02:00 PM	47.9	77.0	41.6
02:00 PM - 03:00 PM	46.6	67.0	41.7
03:00 PM - 04:00 PM	45.5	68.3	40.7
04:00 PM - 05:00 PM	50.2	71.9	42.2
05:00 PM - 06:00 PM	50.8	71.6	43.5
06:00 PM - 07:00 PM	54.7	66.7	52.7
07:00 PM - 08:00 PM	47.2	69.6	44.0
08:00 PM - 09:00 PM	45.6	66.0	43.6
09:00 PM - 10:00 PM	56.9	82.2	43.1
10:00 PM - 11:00 PM	42.9	67.6	41.0
11:00 PM - 12:00 AM	43.0	75.8	39.9
12:00 AM - 01:00 AM	48.7	80.9	40.1
01:00 AM - 02:00 AM	48.3	81.3	40.5
02:00 AM - 03:00 AM	48.7	80.8	40.9
03:00 AM - 04:00 AM	44.2	79.3	40.1
04:00 AM - 05:00 AM	42.0	63.8	39.8
05:00 AM - 06:00 AM	49.3	69.8	41.0
06:00 AM - 07:00 AM	56.5	84.1	45.9
07:00 AM - 08:00 AM	55.1	75.5	45.1
08:00 AM - 09:00 AM	53.0	68.5	45.7
09:00 AM - 10:00 AM	50.8	68.0	42.6
10:00 AM - 11:00 AM	53.2	84.2	40.4
11:00 AM - 12:00 PM	48.5	70.0	39.7

Leq Average 24 hrs. (dB(A)) 51.0  
Lmax (dB(A)) 84.2  
L90 (dB(A)) 41.6  
Ldn (dB(A)) 56.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419198-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-1  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 19 - Sep 20, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 19, 2025	Leq	L90	Sep 19, 2025	Leq	L90	Sep 19, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	52.7	49.8	12:40 PM - 12:45 PM	38.6	37.1	03:20 PM - 03:25 PM	46.4	42.1
10:05 AM - 10:10 AM	54.8	49.2	12:45 PM - 12:50 PM	40.9	36.6	03:25 PM - 03:30 PM	46.6	42.4
10:10 AM - 10:15 AM	52.9	49.2	12:50 PM - 12:55 PM	37.7	36.7	03:30 PM - 03:35 PM	47.8	42.0
10:15 AM - 10:20 AM	50.8	49.4	12:55 PM - 01:00 PM	41.4	37.0	03:35 PM - 03:40 PM	54.8	46.5
10:20 AM - 10:25 AM	50.9	47.3	01:00 PM - 01:05 PM	41.6	38.8	03:40 PM - 03:45 PM	58.7	51.1
10:25 AM - 10:30 AM	52.8	46.8	01:05 PM - 01:10 PM	43.7	40.1	03:45 PM - 03:50 PM	68.7	62.4
10:30 AM - 10:35 AM	51.0	45.2	01:10 PM - 01:15 PM	45.7	40.6	03:50 PM - 03:55 PM	69.3	66.6
10:35 AM - 10:40 AM	50.6	43.2	01:15 PM - 01:20 PM	44.5	39.8	03:55 PM - 04:00 PM	67.5	65.3
10:40 AM - 10:45 AM	47.8	41.9	01:20 PM - 01:25 PM	46.4	41.3	04:00 PM - 04:05 PM	66.8	65.2
10:45 AM - 10:50 AM	44.2	40.9	01:25 PM - 01:30 PM	46.5	41.8	04:05 PM - 04:10 PM	65.2	64.0
10:50 AM - 10:55 AM	51.3	42.6	01:30 PM - 01:35 PM	45.8	41.7	04:10 PM - 04:15 PM	63.3	62.2
10:55 AM - 11:00 AM	47.0	41.4	01:35 PM - 01:40 PM	47.5	42.8	04:15 PM - 04:20 PM	63.8	62.4
11:00 AM - 11:05 AM	50.7	41.3	01:40 PM - 01:45 PM	48.1	42.0	04:20 PM - 04:25 PM	63.6	61.7
11:05 AM - 11:10 AM	42.3	39.7	01:45 PM - 01:50 PM	44.5	38.9	04:25 PM - 04:30 PM	60.4	59.8
11:10 AM - 11:15 AM	41.8	39.4	01:50 PM - 01:55 PM	44.8	39.5	04:30 PM - 04:35 PM	61.3	60.1
11:15 AM - 11:20 AM	51.7	40.5	01:55 PM - 02:00 PM	42.1	39.2	04:35 PM - 04:40 PM	60.3	57.9
11:20 AM - 11:25 AM	45.8	40.1	02:00 PM - 02:05 PM	42.3	39.1	04:40 PM - 04:45 PM	56.1	53.7
11:25 AM - 11:30 AM	48.9	41.8	02:05 PM - 02:10 PM	44.4	39.1	04:45 PM - 04:50 PM	54.3	51.7
11:30 AM - 11:35 AM	46.2	41.1	02:10 PM - 02:15 PM	46.8	41.2	04:50 PM - 04:55 PM	51.8	50.0
11:35 AM - 11:40 AM	51.4	42.3	02:15 PM - 02:20 PM	44.0	39.0	04:55 PM - 05:00 PM	52.9	49.0
11:40 AM - 11:45 AM	47.3	41.7	02:20 PM - 02:25 PM	42.4	39.0	05:00 PM - 05:05 PM	51.5	48.4
11:45 AM - 11:50 AM	52.0	45.4	02:25 PM - 02:30 PM	43.8	39.1	05:05 PM - 05:10 PM	55.3	47.9
11:50 AM - 11:55 AM	54.1	44.0	02:30 PM - 02:35 PM	43.8	38.8	05:10 PM - 05:15 PM	52.3	48.9
11:55 AM - 12:00 PM	44.1	37.6	02:35 PM - 02:40 PM	42.4	38.6	05:15 PM - 05:20 PM	52.0	47.7
12:00 PM - 12:05 PM	42.6	38.4	02:40 PM - 02:45 PM	42.6	39.1	05:20 PM - 05:25 PM	50.9	48.5
12:05 PM - 12:10 PM	44.8	38.7	02:45 PM - 02:50 PM	44.9	39.8	05:25 PM - 05:30 PM	51.5	48.3
12:10 PM - 12:15 PM	40.8	37.8	02:50 PM - 02:55 PM	42.3	39.5	05:30 PM - 05:35 PM	52.8	49.7
12:15 PM - 12:20 PM	40.6	37.4	02:55 PM - 03:00 PM	42.5	39.1	05:35 PM - 05:40 PM	55.0	50.8
12:20 PM - 12:25 PM	42.0	37.7	03:00 PM - 03:05 PM	44.4	40.7	05:40 PM - 05:45 PM	56.9	51.0
12:25 PM - 12:30 PM	38.0	36.9	03:05 PM - 03:10 PM	43.8	38.9	05:45 PM - 05:50 PM	56.2	52.2
12:30 PM - 12:35 PM	40.2	37.2	03:10 PM - 03:15 PM	46.1	41.4	05:50 PM - 05:55 PM	58.2	51.2
12:35 PM - 12:40 PM	39.7	37.3	03:15 PM - 03:20 PM	45.2	41.7	05:55 PM - 06:00 PM	56.1	52.2

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419198-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-1  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 19 - Sep 20, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 19, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 19, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 19 - Sep 20, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	61.3	54.2	08:40 PM - 08:45 PM	69.5	64.4	11:20 PM - 11:25 PM	62.6	61.1
06:05 PM - 06:10 PM	61.7	57.0	08:45 PM - 08:50 PM	69.4	62.9	11:25 PM - 11:30 PM	62.1	60.8
06:10 PM - 06:15 PM	62.3	58.1	08:50 PM - 08:55 PM	69.8	63.8	11:30 PM - 11:35 PM	62.4	60.8
06:15 PM - 06:20 PM	65.5	59.3	08:55 PM - 09:00 PM	69.1	60.6	11:35 PM - 11:40 PM	64.0	60.0
06:20 PM - 06:25 PM	69.5	62.3	09:00 PM - 09:05 PM	69.5	58.0	11:40 PM - 11:45 PM	64.9	60.2
06:25 PM - 06:30 PM	69.3	66.6	09:05 PM - 09:10 PM	69.3	61.8	11:45 PM - 11:50 PM	63.7	60.9
06:30 PM - 06:35 PM	69.5	66.1	09:10 PM - 09:15 PM	69.6	62.3	11:50 PM - 11:55 PM	61.9	60.5
06:35 PM - 06:40 PM	69.4	67.3	09:15 PM - 09:20 PM	69.9	62.9	11:55 PM - 12:00 AM	62.9	60.6
06:40 PM - 06:45 PM	69.8	66.9	09:20 PM - 09:25 PM	69.7	64.2	12:00 AM - 12:05 AM	63.3	60.6
06:45 PM - 06:50 PM	69.6	65.7	09:25 PM - 09:30 PM	69.6	58.6	12:05 AM - 12:10 AM	60.9	60.3
06:50 PM - 06:55 PM	69.2	67.3	09:30 PM - 09:35 PM	68.2	59.8	12:10 AM - 12:15 AM	61.0	60.2
06:55 PM - 07:00 PM	69.5	67.9	09:35 PM - 09:40 PM	65.9	59.9	12:15 AM - 12:20 AM	61.5	60.4
07:00 PM - 07:05 PM	68.8	67.2	09:40 PM - 09:45 PM	65.6	59.5	12:20 AM - 12:25 AM	62.7	60.5
07:05 PM - 07:10 PM	69.1	67.1	09:45 PM - 09:50 PM	62.8	58.5	12:25 AM - 12:30 AM	65.7	61.0
07:10 PM - 07:15 PM	68.8	63.9	09:50 PM - 09:55 PM	62.7	58.6	12:30 AM - 12:35 AM	63.8	61.4
07:15 PM - 07:20 PM	68.4	65.5	09:55 PM - 10:00 PM	64.4	59.3	12:35 AM - 12:40 AM	65.7	62.0
07:20 PM - 07:25 PM	69.8	68.3	10:00 PM - 10:05 PM	60.6	58.1	12:40 AM - 12:45 AM	64.5	61.4
07:25 PM - 07:30 PM	68.6	64.1	10:05 PM - 10:10 PM	64.0	58.9	12:45 AM - 12:50 AM	62.3	59.6
07:30 PM - 07:35 PM	69.0	66.7	10:10 PM - 10:15 PM	62.5	59.9	12:50 AM - 12:55 AM	62.7	58.9
07:35 PM - 07:40 PM	68.7	64.8	10:15 PM - 10:20 PM	62.7	58.5	12:55 AM - 01:00 AM	61.4	59.5
07:40 PM - 07:45 PM	69.5	65.6	10:20 PM - 10:25 PM	63.7	59.5	01:00 AM - 01:05 AM	63.6	60.2
07:45 PM - 07:50 PM	69.8	59.9	10:25 PM - 10:30 PM	63.5	59.6	01:05 AM - 01:10 AM	62.4	59.4
07:50 PM - 07:55 PM	68.0	62.8	10:30 PM - 10:35 PM	61.4	58.8	01:10 AM - 01:15 AM	61.1	58.6
07:55 PM - 08:00 PM	69.6	66.0	10:35 PM - 10:40 PM	61.4	59.0	01:15 AM - 01:20 AM	64.4	59.2
08:00 PM - 08:05 PM	69.4	63.3	10:40 PM - 10:45 PM	64.3	59.3	01:20 AM - 01:25 AM	64.0	59.5
08:05 PM - 08:10 PM	69.9	59.0	10:45 PM - 10:50 PM	63.7	58.2	01:25 AM - 01:30 AM	60.5	58.6
08:10 PM - 08:15 PM	69.1	64.9	10:50 PM - 10:55 PM	64.3	59.5	01:30 AM - 01:35 AM	62.9	58.3
08:15 PM - 08:20 PM	68.6	63.6	10:55 PM - 11:00 PM	65.4	59.5	01:35 AM - 01:40 AM	59.8	57.3
08:20 PM - 08:25 PM	68.3	62.2	11:00 PM - 11:05 PM	63.5	59.5	01:40 AM - 01:45 AM	65.1	58.1
08:25 PM - 08:30 PM	66.7	58.7	11:05 PM - 11:10 PM	63.5	60.8	01:45 AM - 01:50 AM	60.2	58.2
08:30 PM - 08:35 PM	65.2	56.1	11:10 PM - 11:15 PM	63.9	60.9	01:50 AM - 01:55 AM	63.6	58.5
08:35 PM - 08:40 PM	66.1	58.3	11:15 PM - 11:20 PM	63.3	60.9	01:55 AM - 02:00 AM	64.4	57.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419198-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 3 of 3

**Sample Number** : 2573111-1  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 19 - Sep 20, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 20, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 20, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 20, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	67.7	57.7	04:40 AM - 04:45 AM	62.8	54.6	07:20 AM - 07:25 AM	52.8	47.3
02:05 AM - 02:10 AM	69.5	57.4	04:45 AM - 04:50 AM	62.7	54.6	07:25 AM - 07:30 AM	48.2	47.3
02:10 AM - 02:15 AM	69.3	56.6	04:50 AM - 04:55 AM	59.2	53.7	07:30 AM - 07:35 AM	44.7	41.3
02:15 AM - 02:20 AM	69.1	56.2	04:55 AM - 05:00 AM	55.3	52.5	07:35 AM - 07:40 AM	42.5	41.2
02:20 AM - 02:25 AM	69.7	56.1	05:00 AM - 05:05 AM	53.6	50.9	07:40 AM - 07:45 AM	43.4	41.4
02:25 AM - 02:30 AM	69.8	56.8	05:05 AM - 05:10 AM	53.8	49.4	07:45 AM - 07:50 AM	45.3	41.6
02:30 AM - 02:35 AM	66.2	58.4	05:10 AM - 05:15 AM	51.0	49.1	07:50 AM - 07:55 AM	43.1	41.3
02:35 AM - 02:40 AM	63.1	58.1	05:15 AM - 05:20 AM	57.4	48.8	07:55 AM - 08:00 AM	41.8	40.5
02:40 AM - 02:45 AM	63.0	58.1	05:20 AM - 05:25 AM	49.3	48.3	08:00 AM - 08:05 AM	46.9	43.1
02:45 AM - 02:50 AM	64.1	58.1	05:25 AM - 05:30 AM	52.7	47.7	08:05 AM - 08:10 AM	46.8	42.5
02:50 AM - 02:55 AM	62.2	58.3	05:30 AM - 05:35 AM	49.3	47.2	08:10 AM - 08:15 AM	48.5	44.9
02:55 AM - 03:00 AM	65.5	58.3	05:35 AM - 05:40 AM	45.4	43.8	08:15 AM - 08:20 AM	47.2	43.7
03:00 AM - 03:05 AM	64.3	57.9	05:40 AM - 05:45 AM	45.4	43.5	08:20 AM - 08:25 AM	45.0	40.5
03:05 AM - 03:10 AM	62.8	58.2	05:45 AM - 05:50 AM	44.5	43.0	08:25 AM - 08:30 AM	45.7	43.3
03:10 AM - 03:15 AM	61.9	56.6	05:50 AM - 05:55 AM	44.8	43.0	08:30 AM - 08:35 AM	46.3	42.5
03:15 AM - 03:20 AM	62.6	56.8	05:55 AM - 06:00 AM	45.2	42.8	08:35 AM - 08:40 AM	55.0	41.0
03:20 AM - 03:25 AM	62.4	56.7	06:00 AM - 06:05 AM	44.2	42.7	08:40 AM - 08:45 AM	50.9	43.1
03:25 AM - 03:30 AM	61.4	55.8	06:05 AM - 06:10 AM	45.2	42.8	08:45 AM - 08:50 AM	45.3	42.2
03:30 AM - 03:35 AM	57.5	52.0	06:10 AM - 06:15 AM	43.9	42.4	08:50 AM - 08:55 AM	51.7	43.7
03:35 AM - 03:40 AM	60.3	52.5	06:15 AM - 06:20 AM	43.6	42.3	08:55 AM - 09:00 AM	54.2	51.4
03:40 AM - 03:45 AM	62.3	53.3	06:20 AM - 06:25 AM	46.9	42.6	09:00 AM - 09:05 AM	54.9	51.5
03:45 AM - 03:50 AM	63.6	53.6	06:25 AM - 06:30 AM	44.5	42.7	09:05 AM - 09:10 AM	52.8	51.2
03:50 AM - 03:55 AM	67.6	53.8	06:30 AM - 06:35 AM	44.9	42.0	09:10 AM - 09:15 AM	51.9	50.9
03:55 AM - 04:00 AM	62.7	53.0	06:35 AM - 06:40 AM	43.3	41.8	09:15 AM - 09:20 AM	53.6	45.6
04:00 AM - 04:05 AM	65.6	53.6	06:40 AM - 06:45 AM	43.8	42.0	09:20 AM - 09:25 AM	52.3	44.6
04:05 AM - 04:10 AM	58.6	53.6	06:45 AM - 06:50 AM	43.8	41.7	09:25 AM - 09:30 AM	57.9	44.7
04:10 AM - 04:15 AM	63.2	53.7	06:50 AM - 06:55 AM	43.1	41.5	09:30 AM - 09:35 AM	50.9	45.2
04:15 AM - 04:20 AM	65.5	53.8	06:55 AM - 07:00 AM	45.1	42.5	09:35 AM - 09:40 AM	51.9	43.5
04:20 AM - 04:25 AM	65.9	54.0	07:00 AM - 07:05 AM	46.8	42.5	09:40 AM - 09:45 AM	50.6	41.9
04:25 AM - 04:30 AM	69.1	56.1	07:05 AM - 07:10 AM	55.7	41.7	09:45 AM - 09:50 AM	47.0	41.5
04:30 AM - 04:35 AM	64.9	56.0	07:10 AM - 07:15 AM	44.0	41.9	09:50 AM - 09:55 AM	50.0	46.3
04:35 AM - 04:40 AM	65.4	56.0	07:15 AM - 07:20 AM	58.4	41.5	09:55 AM - 10:00 AM	49.8	45.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419199-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-2  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 20 - Sep 21, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	54.3	47.6	12:40 PM - 12:45 PM	41.0	37.9	03:20 PM - 03:25 PM	47.6	38.4
10:05 AM - 10:10 AM	55.7	49.8	12:45 PM - 12:50 PM	40.9	38.2	03:25 PM - 03:30 PM	49.4	38.0
10:10 AM - 10:15 AM	50.3	41.8	12:50 PM - 12:55 PM	40.5	38.5	03:30 PM - 03:35 PM	41.1	38.9
10:15 AM - 10:20 AM	52.0	41.4	12:55 PM - 01:00 PM	39.8	38.5	03:35 PM - 03:40 PM	40.4	38.8
10:20 AM - 10:25 AM	50.0	42.4	01:00 PM - 01:05 PM	39.1	37.1	03:40 PM - 03:45 PM	43.6	39.2
10:25 AM - 10:30 AM	57.7	47.3	01:05 PM - 01:10 PM	40.1	37.8	03:45 PM - 03:50 PM	42.3	38.8
10:30 AM - 10:35 AM	51.0	44.0	01:10 PM - 01:15 PM	41.6	38.8	03:50 PM - 03:55 PM	44.5	38.4
10:35 AM - 10:40 AM	50.1	43.2	01:15 PM - 01:20 PM	39.7	38.2	03:55 PM - 04:00 PM	41.7	38.8
10:40 AM - 10:45 AM	52.1	43.3	01:20 PM - 01:25 PM	41.1	37.8	04:00 PM - 04:05 PM	40.0	38.0
10:45 AM - 10:50 AM	51.1	43.6	01:25 PM - 01:30 PM	40.4	38.6	04:05 PM - 04:10 PM	41.6	37.6
10:50 AM - 10:55 AM	45.6	41.0	01:30 PM - 01:35 PM	50.2	39.4	04:10 PM - 04:15 PM	38.0	36.3
10:55 AM - 11:00 AM	48.5	39.6	01:35 PM - 01:40 PM	47.6	39.9	04:15 PM - 04:20 PM	47.2	38.9
11:00 AM - 11:05 AM	48.4	41.7	01:40 PM - 01:45 PM	49.6	39.3	04:20 PM - 04:25 PM	47.1	43.4
11:05 AM - 11:10 AM	48.2	42.0	01:45 PM - 01:50 PM	47.2	38.3	04:25 PM - 04:30 PM	45.6	42.4
11:10 AM - 11:15 AM	47.6	40.8	01:50 PM - 01:55 PM	49.9	39.0	04:30 PM - 04:35 PM	45.8	43.6
11:15 AM - 11:20 AM	47.8	41.5	01:55 PM - 02:00 PM	40.8	37.7	04:35 PM - 04:40 PM	46.8	43.9
11:20 AM - 11:25 AM	45.1	39.5	02:00 PM - 02:05 PM	56.0	46.9	04:40 PM - 04:45 PM	46.0	43.2
11:25 AM - 11:30 AM	49.0	40.3	02:05 PM - 02:10 PM	54.3	43.3	04:45 PM - 04:50 PM	47.9	44.5
11:30 AM - 11:35 AM	45.9	40.3	02:10 PM - 02:15 PM	57.7	44.8	04:50 PM - 04:55 PM	44.4	38.7
11:35 AM - 11:40 AM	49.3	40.8	02:15 PM - 02:20 PM	49.5	42.5	04:55 PM - 05:00 PM	41.3	39.0
11:40 AM - 11:45 AM	45.3	40.4	02:20 PM - 02:25 PM	44.6	41.1	05:00 PM - 05:05 PM	43.3	38.9
11:45 AM - 11:50 AM	48.8	39.3	02:25 PM - 02:30 PM	46.7	41.4	05:05 PM - 05:10 PM	41.5	38.9
11:50 AM - 11:55 AM	43.4	38.8	02:30 PM - 02:35 PM	44.8	41.5	05:10 PM - 05:15 PM	40.9	38.8
11:55 AM - 12:00 PM	50.0	39.4	02:35 PM - 02:40 PM	44.3	41.6	05:15 PM - 05:20 PM	40.1	38.9
12:00 PM - 12:05 PM	42.8	37.6	02:40 PM - 02:45 PM	45.7	42.4	05:20 PM - 05:25 PM	41.7	39.6
12:05 PM - 12:10 PM	48.0	37.9	02:45 PM - 02:50 PM	47.1	41.2	05:25 PM - 05:30 PM	43.2	39.9
12:10 PM - 12:15 PM	39.8	37.1	02:50 PM - 02:55 PM	45.2	41.9	05:30 PM - 05:35 PM	42.4	39.3
12:15 PM - 12:20 PM	38.9	37.0	02:55 PM - 03:00 PM	51.9	43.4	05:35 PM - 05:40 PM	41.9	39.7
12:20 PM - 12:25 PM	39.1	37.1	03:00 PM - 03:05 PM	49.2	42.4	05:40 PM - 05:45 PM	43.2	39.7
12:25 PM - 12:30 PM	40.1	37.8	03:05 PM - 03:10 PM	46.5	40.5	05:45 PM - 05:50 PM	43.3	40.1
12:30 PM - 12:35 PM	39.1	37.1	03:10 PM - 03:15 PM	55.9	37.0	05:50 PM - 05:55 PM	43.4	40.9
12:35 PM - 12:40 PM	39.4	37.9	03:15 PM - 03:20 PM	40.5	37.0	05:55 PM - 06:00 PM	44.8	41.5

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419199-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-2  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณเริ่มรื้อด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 20 - Sep 21, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90	Sep 20 - Sep 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	44.4	41.9	08:40 PM - 08:45 PM	64.7	63.3	11:20 PM - 11:25 PM	63.9	62.6
06:05 PM - 06:10 PM	44.0	41.8	08:45 PM - 08:50 PM	65.6	64.5	11:25 PM - 11:30 PM	63.1	62.0
06:10 PM - 06:15 PM	44.8	41.9	08:50 PM - 08:55 PM	64.9	63.7	11:30 PM - 11:35 PM	62.9	61.9
06:15 PM - 06:20 PM	46.4	41.4	08:55 PM - 09:00 PM	65.4	64.0	11:35 PM - 11:40 PM	63.1	61.7
06:20 PM - 06:25 PM	45.0	40.7	09:00 PM - 09:05 PM	65.2	64.1	11:40 PM - 11:45 PM	61.9	61.1
06:25 PM - 06:30 PM	44.4	42.0	09:05 PM - 09:10 PM	65.2	64.0	11:45 PM - 11:50 PM	61.6	61.1
06:30 PM - 06:35 PM	47.6	44.1	09:10 PM - 09:15 PM	66.0	64.5	11:50 PM - 11:55 PM	62.2	61.1
06:35 PM - 06:40 PM	49.4	47.3	09:15 PM - 09:20 PM	64.8	63.8	11:55 PM - 12:00 AM	62.6	62.0
06:40 PM - 06:45 PM	51.0	49.6	09:20 PM - 09:25 PM	64.6	63.9	12:00 AM - 12:05 AM	63.1	62.2
06:45 PM - 06:50 PM	51.5	50.3	09:25 PM - 09:30 PM	64.5	63.8	12:05 AM - 12:10 AM	62.8	62.1
06:50 PM - 06:55 PM	51.2	50.0	09:30 PM - 09:35 PM	65.3	64.3	12:10 AM - 12:15 AM	62.5	61.9
06:55 PM - 07:00 PM	52.7	49.7	09:35 PM - 09:40 PM	65.7	64.7	12:15 AM - 12:20 AM	62.7	62.1
07:00 PM - 07:05 PM	52.6	49.4	09:40 PM - 09:45 PM	65.7	64.2	12:20 AM - 12:25 AM	62.5	62.0
07:05 PM - 07:10 PM	53.3	52.2	09:45 PM - 09:50 PM	64.6	63.8	12:25 AM - 12:30 AM	62.2	61.7
07:10 PM - 07:15 PM	53.5	52.6	09:50 PM - 09:55 PM	64.5	63.7	12:30 AM - 12:35 AM	62.6	61.8
07:15 PM - 07:20 PM	54.1	52.7	09:55 PM - 10:00 PM	65.9	64.3	12:35 AM - 12:40 AM	62.1	61.6
07:20 PM - 07:25 PM	55.6	52.4	10:00 PM - 10:05 PM	64.4	63.4	12:40 AM - 12:45 AM	62.1	61.6
07:25 PM - 07:30 PM	53.8	51.3	10:05 PM - 10:10 PM	63.8	63.0	12:45 AM - 12:50 AM	63.1	61.7
07:30 PM - 07:35 PM	54.7	50.9	10:10 PM - 10:15 PM	63.4	62.8	12:50 AM - 12:55 AM	62.1	61.7
07:35 PM - 07:40 PM	57.0	53.8	10:15 PM - 10:20 PM	63.4	62.7	12:55 AM - 01:00 AM	62.2	61.6
07:40 PM - 07:45 PM	61.2	56.9	10:20 PM - 10:25 PM	63.1	62.5	01:00 AM - 01:05 AM	62.8	61.7
07:45 PM - 07:50 PM	63.5	62.5	10:25 PM - 10:30 PM	63.1	62.7	01:05 AM - 01:10 AM	62.5	62.0
07:50 PM - 07:55 PM	64.4	63.0	10:30 PM - 10:35 PM	63.3	62.8	01:10 AM - 01:15 AM	63.1	62.3
07:55 PM - 08:00 PM	64.5	63.1	10:35 PM - 10:40 PM	63.0	62.5	01:15 AM - 01:20 AM	60.8	59.5
08:00 PM - 08:05 PM	66.2	63.8	10:40 PM - 10:45 PM	62.9	62.4	01:20 AM - 01:25 AM	60.7	59.4
08:05 PM - 08:10 PM	65.5	63.8	10:45 PM - 10:50 PM	63.0	62.5	01:25 AM - 01:30 AM	62.1	60.4
08:10 PM - 08:15 PM	65.3	63.9	10:50 PM - 10:55 PM	63.0	62.5	01:30 AM - 01:35 AM	61.6	60.7
08:15 PM - 08:20 PM	66.7	64.9	10:55 PM - 11:00 PM	63.3	62.4	01:35 AM - 01:40 AM	61.4	60.6
08:20 PM - 08:25 PM	66.1	61.8	11:00 PM - 11:05 PM	63.5	62.5	01:40 AM - 01:45 AM	62.1	60.7
08:25 PM - 08:30 PM	63.2	60.8	11:05 PM - 11:10 PM	63.4	62.2	01:45 AM - 01:50 AM	61.1	60.2
08:30 PM - 08:35 PM	62.8	60.6	11:10 PM - 11:15 PM	63.6	62.2	01:50 AM - 01:55 AM	61.4	60.4
08:35 PM - 08:40 PM	64.0	62.3	11:15 PM - 11:20 PM	65.5	63.3	01:55 AM - 02:00 AM	60.9	60.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419199-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-2  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณเริ่มรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 20 - Sep 21, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	61.5	60.7	04:40 AM - 04:45 AM	66.7	60.2	07:20 AM - 07:25 AM	41.8	39.6
02:05 AM - 02:10 AM	61.4	60.7	04:45 AM - 04:50 AM	64.7	60.1	07:25 AM - 07:30 AM	40.8	38.9
02:10 AM - 02:15 AM	61.7	60.0	04:50 AM - 04:55 AM	64.6	59.9	07:30 AM - 07:35 AM	40.2	38.6
02:15 AM - 02:20 AM	60.1	59.8	04:55 AM - 05:00 AM	62.9	59.1	07:35 AM - 07:40 AM	40.3	38.3
02:20 AM - 02:25 AM	59.9	59.5	05:00 AM - 05:05 AM	64.1	59.9	07:40 AM - 07:45 AM	40.2	38.6
02:25 AM - 02:30 AM	60.4	59.8	05:05 AM - 05:10 AM	60.5	59.7	07:45 AM - 07:50 AM	42.8	39.0
02:30 AM - 02:35 AM	61.1	59.7	05:10 AM - 05:15 AM	57.6	47.1	07:50 AM - 07:55 AM	38.8	37.3
02:35 AM - 02:40 AM	60.0	59.7	05:15 AM - 05:20 AM	47.2	46.7	07:55 AM - 08:00 AM	38.3	37.0
02:40 AM - 02:45 AM	60.1	59.8	05:20 AM - 05:25 AM	47.2	46.1	08:00 AM - 08:05 AM	39.7	37.0
02:45 AM - 02:50 AM	60.0	59.6	05:25 AM - 05:30 AM	44.7	41.8	08:05 AM - 08:10 AM	41.9	38.4
02:50 AM - 02:55 AM	61.4	59.7	05:30 AM - 05:35 AM	43.4	41.7	08:10 AM - 08:15 AM	45.4	40.8
02:55 AM - 03:00 AM	60.1	59.6	05:35 AM - 05:40 AM	44.2	41.4	08:15 AM - 08:20 AM	43.6	40.9
03:00 AM - 03:05 AM	60.0	59.7	05:40 AM - 05:45 AM	43.5	41.2	08:20 AM - 08:25 AM	46.4	40.6
03:05 AM - 03:10 AM	60.5	59.8	05:45 AM - 05:50 AM	43.1	41.1	08:25 AM - 08:30 AM	44.7	40.2
03:10 AM - 03:15 AM	62.7	59.6	05:50 AM - 05:55 AM	43.9	41.0	08:30 AM - 08:35 AM	45.3	40.1
03:15 AM - 03:20 AM	60.2	59.6	05:55 AM - 06:00 AM	44.4	41.0	08:35 AM - 08:40 AM	42.9	39.7
03:20 AM - 03:25 AM	60.5	59.6	06:00 AM - 06:05 AM	42.5	40.7	08:40 AM - 08:45 AM	41.4	38.8
03:25 AM - 03:30 AM	60.7	59.7	06:05 AM - 06:10 AM	45.0	41.3	08:45 AM - 08:50 AM	43.1	39.1
03:30 AM - 03:35 AM	61.3	59.6	06:10 AM - 06:15 AM	41.6	40.6	08:50 AM - 08:55 AM	42.4	40.3
03:35 AM - 03:40 AM	63.9	59.8	06:15 AM - 06:20 AM	45.4	40.9	08:55 AM - 09:00 AM	41.6	38.5
03:40 AM - 03:45 AM	61.7	59.6	06:20 AM - 06:25 AM	42.1	40.3	09:00 AM - 09:05 AM	42.8	39.0
03:45 AM - 03:50 AM	59.0	51.6	06:25 AM - 06:30 AM	43.7	40.2	09:05 AM - 09:10 AM	44.0	39.0
03:50 AM - 03:55 AM	60.6	51.4	06:30 AM - 06:35 AM	45.3	42.1	09:10 AM - 09:15 AM	44.0	39.7
03:55 AM - 04:00 AM	64.2	52.6	06:35 AM - 06:40 AM	45.6	42.5	09:15 AM - 09:20 AM	43.6	38.5
04:00 AM - 04:05 AM	65.8	52.1	06:40 AM - 06:45 AM	45.8	42.1	09:20 AM - 09:25 AM	48.0	39.2
04:05 AM - 04:10 AM	59.7	50.2	06:45 AM - 06:50 AM	44.8	41.4	09:25 AM - 09:30 AM	41.3	39.4
04:10 AM - 04:15 AM	69.3	51.1	06:50 AM - 06:55 AM	44.0	40.6	09:30 AM - 09:35 AM	49.6	40.6
04:15 AM - 04:20 AM	64.2	51.7	06:55 AM - 07:00 AM	44.9	41.6	09:35 AM - 09:40 AM	40.1	38.0
04:20 AM - 04:25 AM	67.4	53.2	07:00 AM - 07:05 AM	44.5	41.6	09:40 AM - 09:45 AM	44.7	38.7
04:25 AM - 04:30 AM	67.3	59.9	07:05 AM - 07:10 AM	44.5	41.5	09:45 AM - 09:50 AM	42.9	39.3
04:30 AM - 04:35 AM	66.8	60.1	07:10 AM - 07:15 AM	44.4	41.4	09:50 AM - 09:55 AM	44.8	39.2
04:35 AM - 04:40 AM	67.1	60.3	07:15 AM - 07:20 AM	41.8	39.2	09:55 AM - 10:00 AM	48.3	38.3

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419200-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-3  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 21 - Sep 22, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	43.9	38.1	12:40 PM - 12:45 PM	43.4	40.6	03:20 PM - 03:25 PM	44.6	37.2
10:05 AM - 10:10 AM	47.6	38.8	12:45 PM - 12:50 PM	44.3	42.0	03:25 PM - 03:30 PM	42.6	36.0
10:10 AM - 10:15 AM	41.5	37.1	12:50 PM - 12:55 PM	43.9	41.3	03:30 PM - 03:35 PM	44.5	35.9
10:15 AM - 10:20 AM	40.7	37.7	12:55 PM - 01:00 PM	44.4	40.8	03:35 PM - 03:40 PM	38.2	36.1
10:20 AM - 10:25 AM	45.4	39.9	01:00 PM - 01:05 PM	48.0	43.4	03:40 PM - 03:45 PM	39.5	36.0
10:25 AM - 10:30 AM	44.3	41.2	01:05 PM - 01:10 PM	40.4	38.3	03:45 PM - 03:50 PM	39.0	35.5
10:30 AM - 10:35 AM	45.5	40.6	01:10 PM - 01:15 PM	42.4	38.8	03:50 PM - 03:55 PM	40.4	36.2
10:35 AM - 10:40 AM	42.2	38.6	01:15 PM - 01:20 PM	42.3	39.4	03:55 PM - 04:00 PM	39.4	36.7
10:40 AM - 10:45 AM	45.5	38.2	01:20 PM - 01:25 PM	44.4	41.8	04:00 PM - 04:05 PM	40.2	36.9
10:45 AM - 10:50 AM	45.4	38.2	01:25 PM - 01:30 PM	43.9	39.9	04:05 PM - 04:10 PM	44.0	40.5
10:50 AM - 10:55 AM	41.3	38.4	01:30 PM - 01:35 PM	45.1	40.0	04:10 PM - 04:15 PM	44.4	40.7
10:55 AM - 11:00 AM	44.1	38.2	01:35 PM - 01:40 PM	45.6	40.5	04:15 PM - 04:20 PM	45.8	41.4
11:00 AM - 11:05 AM	41.3	38.3	01:40 PM - 01:45 PM	43.0	39.4	04:20 PM - 04:25 PM	47.5	43.2
11:05 AM - 11:10 AM	44.9	38.7	01:45 PM - 01:50 PM	45.5	39.9	04:25 PM - 04:30 PM	47.6	40.7
11:10 AM - 11:15 AM	48.4	39.5	01:50 PM - 01:55 PM	46.5	39.7	04:30 PM - 04:35 PM	43.5	40.7
11:15 AM - 11:20 AM	44.5	38.3	01:55 PM - 02:00 PM	45.1	40.0	04:35 PM - 04:40 PM	45.2	42.8
11:20 AM - 11:25 AM	48.0	38.7	02:00 PM - 02:05 PM	45.7	40.1	04:40 PM - 04:45 PM	45.6	42.2
11:25 AM - 11:30 AM	45.8	39.3	02:05 PM - 02:10 PM	45.5	40.3	04:45 PM - 04:50 PM	46.2	41.9
11:30 AM - 11:35 AM	48.3	38.1	02:10 PM - 02:15 PM	51.0	43.7	04:50 PM - 04:55 PM	47.6	44.0
11:35 AM - 11:40 AM	49.0	38.8	02:15 PM - 02:20 PM	47.6	42.5	04:55 PM - 05:00 PM	45.6	42.5
11:40 AM - 11:45 AM	40.4	37.4	02:20 PM - 02:25 PM	49.5	40.8	05:00 PM - 05:05 PM	45.9	41.9
11:45 AM - 11:50 AM	46.5	38.8	02:25 PM - 02:30 PM	37.9	36.4	05:05 PM - 05:10 PM	43.8	39.3
11:50 AM - 11:55 AM	46.8	38.8	02:30 PM - 02:35 PM	37.6	36.0	05:10 PM - 05:15 PM	40.5	37.6
11:55 AM - 12:00 PM	48.2	38.8	02:35 PM - 02:40 PM	42.4	36.6	05:15 PM - 05:20 PM	40.2	37.0
12:00 PM - 12:05 PM	39.5	37.5	02:40 PM - 02:45 PM	42.0	38.3	05:20 PM - 05:25 PM	39.3	37.6
12:05 PM - 12:10 PM	40.8	39.1	02:45 PM - 02:50 PM	47.6	36.4	05:25 PM - 05:30 PM	42.5	38.1
12:10 PM - 12:15 PM	39.7	37.2	02:50 PM - 02:55 PM	44.0	37.5	05:30 PM - 05:35 PM	43.0	38.7
12:15 PM - 12:20 PM	39.9	36.8	02:55 PM - 03:00 PM	47.6	38.4	05:35 PM - 05:40 PM	43.7	39.9
12:20 PM - 12:25 PM	40.8	38.2	03:00 PM - 03:05 PM	44.3	37.8	05:40 PM - 05:45 PM	43.5	40.1
12:25 PM - 12:30 PM	40.5	38.0	03:05 PM - 03:10 PM	47.8	37.4	05:45 PM - 05:50 PM	44.1	41.3
12:30 PM - 12:35 PM	38.9	36.9	03:10 PM - 03:15 PM	45.8	37.2	05:50 PM - 05:55 PM	44.1	41.8
12:35 PM - 12:40 PM	41.2	36.7	03:15 PM - 03:20 PM	48.8	38.0	05:55 PM - 06:00 PM	44.3	41.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419200-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-3  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณเริ่มรื้อด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 21 - Sep 22, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90	Sep 21 - Sep 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	44.6	41.8	08:40 PM - 08:45 PM	59.7	58.2	11:20 PM - 11:25 PM	66.2	61.9
06:05 PM - 06:10 PM	44.6	41.2	08:45 PM - 08:50 PM	59.9	58.5	11:25 PM - 11:30 PM	63.0	60.5
06:10 PM - 06:15 PM	43.8	41.0	08:50 PM - 08:55 PM	60.7	60.0	11:30 PM - 11:35 PM	63.7	60.9
06:15 PM - 06:20 PM	43.4	41.0	08:55 PM - 09:00 PM	60.5	59.9	11:35 PM - 11:40 PM	62.5	60.0
06:20 PM - 06:25 PM	44.1	40.9	09:00 PM - 09:05 PM	60.7	60.1	11:40 PM - 11:45 PM	63.3	60.0
06:25 PM - 06:30 PM	44.4	41.6	09:05 PM - 09:10 PM	61.5	60.4	11:45 PM - 11:50 PM	64.9	60.7
06:30 PM - 06:35 PM	46.3	44.0	09:10 PM - 09:15 PM	61.6	60.7	11:50 PM - 11:55 PM	61.8	60.1
06:35 PM - 06:40 PM	48.3	46.9	09:15 PM - 09:20 PM	62.1	61.1	11:55 PM - 12:00 AM	60.4	59.5
06:40 PM - 06:45 PM	49.5	48.8	09:20 PM - 09:25 PM	62.7	61.4	12:00 AM - 12:05 AM	60.1	59.4
06:45 PM - 06:50 PM	49.7	49.0	09:25 PM - 09:30 PM	61.5	60.6	12:05 AM - 12:10 AM	60.4	59.3
06:50 PM - 06:55 PM	49.5	48.9	09:30 PM - 09:35 PM	61.4	60.7	12:10 AM - 12:15 AM	59.9	59.3
06:55 PM - 07:00 PM	49.2	48.6	09:35 PM - 09:40 PM	60.8	59.3	12:15 AM - 12:20 AM	59.7	59.1
07:00 PM - 07:05 PM	49.4	48.8	09:40 PM - 09:45 PM	61.4	60.8	12:20 AM - 12:25 AM	59.4	58.8
07:05 PM - 07:10 PM	49.0	48.1	09:45 PM - 09:50 PM	60.9	59.3	12:25 AM - 12:30 AM	59.7	58.9
07:10 PM - 07:15 PM	48.5	47.8	09:50 PM - 09:55 PM	61.6	60.7	12:30 AM - 12:35 AM	59.6	59.0
07:15 PM - 07:20 PM	48.9	48.0	09:55 PM - 10:00 PM	62.1	60.9	12:35 AM - 12:40 AM	59.6	59.0
07:20 PM - 07:25 PM	49.4	48.2	10:00 PM - 10:05 PM	66.0	62.6	12:40 AM - 12:45 AM	59.7	59.1
07:25 PM - 07:30 PM	49.8	48.9	10:05 PM - 10:10 PM	65.0	62.8	12:45 AM - 12:50 AM	59.6	59.1
07:30 PM - 07:35 PM	48.8	48.0	10:10 PM - 10:15 PM	64.4	62.1	12:50 AM - 12:55 AM	59.7	59.0
07:35 PM - 07:40 PM	48.8	48.2	10:15 PM - 10:20 PM	64.9	62.9	12:55 AM - 01:00 AM	59.5	59.0
07:40 PM - 07:45 PM	49.4	48.3	10:20 PM - 10:25 PM	64.7	62.7	01:00 AM - 01:05 AM	59.6	58.9
07:45 PM - 07:50 PM	50.2	49.8	10:25 PM - 10:30 PM	64.0	62.4	01:05 AM - 01:10 AM	59.8	59.2
07:50 PM - 07:55 PM	50.6	49.9	10:30 PM - 10:35 PM	65.4	62.5	01:10 AM - 01:15 AM	59.8	59.3
07:55 PM - 08:00 PM	52.1	51.5	10:35 PM - 10:40 PM	65.2	60.9	01:15 AM - 01:20 AM	57.7	51.3
08:00 PM - 08:05 PM	52.2	51.8	10:40 PM - 10:45 PM	65.8	62.0	01:20 AM - 01:25 AM	52.5	50.7
08:05 PM - 08:10 PM	52.5	51.6	10:45 PM - 10:50 PM	65.7	61.6	01:25 AM - 01:30 AM	55.7	50.5
08:10 PM - 08:15 PM	52.9	52.1	10:50 PM - 10:55 PM	62.5	58.4	01:30 AM - 01:35 AM	57.1	56.7
08:15 PM - 08:20 PM	56.5	52.7	10:55 PM - 11:00 PM	62.1	59.1	01:35 AM - 01:40 AM	57.7	57.0
08:20 PM - 08:25 PM	59.5	57.9	11:00 PM - 11:05 PM	63.8	61.0	01:40 AM - 01:45 AM	57.2	56.7
08:25 PM - 08:30 PM	60.2	58.9	11:05 PM - 11:10 PM	66.2	62.4	01:45 AM - 01:50 AM	57.1	56.7
08:30 PM - 08:35 PM	59.2	58.2	11:10 PM - 11:15 PM	66.1	64.0	01:50 AM - 01:55 AM	57.2	56.7
08:35 PM - 08:40 PM	57.4	53.6	11:15 PM - 11:20 PM	65.8	62.4	01:55 AM - 02:00 AM	57.3	56.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419200-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 3 of 3

**Sample Number** : 2573111-3  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณเริ่มรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 21 - Sep 22, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	57.0	56.6	04:40 AM - 04:45 AM	56.8	56.4	07:20 AM - 07:25 AM	45.0	42.3
02:05 AM - 02:10 AM	57.0	56.6	04:45 AM - 04:50 AM	56.8	56.5	07:25 AM - 07:30 AM	43.1	40.5
02:10 AM - 02:15 AM	57.3	56.5	04:50 AM - 04:55 AM	56.9	56.5	07:30 AM - 07:35 AM	45.9	42.2
02:15 AM - 02:20 AM	56.8	56.5	04:55 AM - 05:00 AM	56.9	56.5	07:35 AM - 07:40 AM	48.9	42.4
02:20 AM - 02:25 AM	56.8	56.4	05:00 AM - 05:05 AM	56.7	56.3	07:40 AM - 07:45 AM	42.5	40.8
02:25 AM - 02:30 AM	52.0	48.9	05:05 AM - 05:10 AM	56.5	56.2	07:45 AM - 07:50 AM	42.5	40.6
02:30 AM - 02:35 AM	52.8	49.0	05:10 AM - 05:15 AM	56.3	56.0	07:50 AM - 07:55 AM	42.7	40.4
02:35 AM - 02:40 AM	56.3	55.8	05:15 AM - 05:20 AM	55.1	45.1	07:55 AM - 08:00 AM	42.8	40.1
02:40 AM - 02:45 AM	56.8	56.2	05:20 AM - 05:25 AM	45.5	44.1	08:00 AM - 08:05 AM	43.7	38.8
02:45 AM - 02:50 AM	56.7	56.1	05:25 AM - 05:30 AM	46.6	43.3	08:05 AM - 08:10 AM	41.6	38.7
02:50 AM - 02:55 AM	56.6	56.1	05:30 AM - 05:35 AM	47.2	42.5	08:10 AM - 08:15 AM	41.0	39.4
02:55 AM - 03:00 AM	56.7	56.0	05:35 AM - 05:40 AM	44.0	42.5	08:15 AM - 08:20 AM	48.2	40.3
03:00 AM - 03:05 AM	56.3	55.6	05:40 AM - 05:45 AM	43.8	41.9	08:20 AM - 08:25 AM	43.1	40.2
03:05 AM - 03:10 AM	56.4	55.6	05:45 AM - 05:50 AM	43.6	41.9	08:25 AM - 08:30 AM	44.4	39.6
03:10 AM - 03:15 AM	56.3	55.3	05:50 AM - 05:55 AM	44.7	42.4	08:30 AM - 08:35 AM	45.5	41.3
03:15 AM - 03:20 AM	55.3	46.1	05:55 AM - 06:00 AM	43.8	41.8	08:35 AM - 08:40 AM	46.6	44.0
03:20 AM - 03:25 AM	47.6	45.3	06:00 AM - 06:05 AM	43.7	42.1	08:40 AM - 08:45 AM	48.2	43.9
03:25 AM - 03:30 AM	50.5	48.0	06:05 AM - 06:10 AM	43.7	41.3	08:45 AM - 08:50 AM	55.4	47.3
03:30 AM - 03:35 AM	48.9	44.6	06:10 AM - 06:15 AM	45.6	40.4	08:50 AM - 08:55 AM	49.9	47.2
03:35 AM - 03:40 AM	49.3	46.3	06:15 AM - 06:20 AM	43.9	41.0	08:55 AM - 09:00 AM	54.8	46.2
03:40 AM - 03:45 AM	49.1	48.5	06:20 AM - 06:25 AM	49.1	40.4	09:00 AM - 09:05 AM	55.9	50.7
03:45 AM - 03:50 AM	51.0	48.5	06:25 AM - 06:30 AM	44.6	40.8	09:05 AM - 09:10 AM	51.6	47.5
03:50 AM - 03:55 AM	51.5	48.6	06:30 AM - 06:35 AM	45.2	40.4	09:10 AM - 09:15 AM	53.6	45.8
03:55 AM - 04:00 AM	53.7	49.2	06:35 AM - 06:40 AM	46.4	40.5	09:15 AM - 09:20 AM	53.9	45.6
04:00 AM - 04:05 AM	56.9	56.2	06:40 AM - 06:45 AM	43.3	40.1	09:20 AM - 09:25 AM	50.7	43.2
04:05 AM - 04:10 AM	58.7	56.4	06:45 AM - 06:50 AM	44.2	40.3	09:25 AM - 09:30 AM	50.3	44.4
04:10 AM - 04:15 AM	57.8	56.3	06:50 AM - 06:55 AM	43.9	40.4	09:30 AM - 09:35 AM	49.2	43.9
04:15 AM - 04:20 AM	56.7	56.3	06:55 AM - 07:00 AM	47.3	43.6	09:35 AM - 09:40 AM	53.6	44.8
04:20 AM - 04:25 AM	56.8	56.4	07:00 AM - 07:05 AM	46.4	43.0	09:40 AM - 09:45 AM	50.7	43.2
04:25 AM - 04:30 AM	57.1	56.6	07:05 AM - 07:10 AM	46.3	42.9	09:45 AM - 09:50 AM	50.0	43.5
04:30 AM - 04:35 AM	57.0	56.7	07:10 AM - 07:15 AM	44.7	42.2	09:50 AM - 09:55 AM	48.7	44.3
04:35 AM - 04:40 AM	56.9	56.6	07:15 AM - 07:20 AM	43.6	41.8	09:55 AM - 10:00 AM	47.3	43.8

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Approved by

Sarayuth Jittrant  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419201-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-4  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 22 - Sep 23, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	51.4	44.7	12:40 PM - 12:45 PM	38.4	36.1	03:20 PM - 03:25 PM	53.2	38.2
10:05 AM - 10:10 AM	45.5	43.0	12:45 PM - 12:50 PM	41.0	37.6	03:25 PM - 03:30 PM	41.3	37.5
10:10 AM - 10:15 AM	45.6	43.4	12:50 PM - 12:55 PM	39.3	36.5	03:30 PM - 03:35 PM	41.0	38.4
10:15 AM - 10:20 AM	52.3	44.3	12:55 PM - 01:00 PM	40.7	36.3	03:35 PM - 03:40 PM	42.5	39.7
10:20 AM - 10:25 AM	46.0	41.9	01:00 PM - 01:05 PM	42.6	39.0	03:40 PM - 03:45 PM	44.7	39.6
10:25 AM - 10:30 AM	45.4	42.7	01:05 PM - 01:10 PM	44.2	40.6	03:45 PM - 03:50 PM	51.6	43.0
10:30 AM - 10:35 AM	52.8	44.4	01:10 PM - 01:15 PM	47.9	41.9	03:50 PM - 03:55 PM	52.2	43.1
10:35 AM - 10:40 AM	50.6	45.8	01:15 PM - 01:20 PM	48.1	44.4	03:55 PM - 04:00 PM	49.7	45.4
10:40 AM - 10:45 AM	52.9	47.1	01:20 PM - 01:25 PM	50.0	43.2	04:00 PM - 04:05 PM	49.3	46.1
10:45 AM - 10:50 AM	51.9	47.6	01:25 PM - 01:30 PM	50.8	43.1	04:05 PM - 04:10 PM	52.4	48.8
10:50 AM - 10:55 AM	49.4	43.8	01:30 PM - 01:35 PM	49.3	43.7	04:10 PM - 04:15 PM	52.7	50.9
10:55 AM - 11:00 AM	48.5	42.8	01:35 PM - 01:40 PM	50.9	44.0	04:15 PM - 04:20 PM	55.9	52.6
11:00 AM - 11:05 AM	49.2	43.0	01:40 PM - 01:45 PM	49.1	42.2	04:20 PM - 04:25 PM	55.8	54.4
11:05 AM - 11:10 AM	54.1	44.9	01:45 PM - 01:50 PM	50.7	42.6	04:25 PM - 04:30 PM	59.0	56.1
11:10 AM - 11:15 AM	49.7	44.0	01:50 PM - 01:55 PM	47.1	43.4	04:30 PM - 04:35 PM	59.5	57.9
11:15 AM - 11:20 AM	55.4	45.6	01:55 PM - 02:00 PM	49.8	44.5	04:35 PM - 04:40 PM	61.4	59.9
11:20 AM - 11:25 AM	51.9	44.6	02:00 PM - 02:05 PM	48.3	42.2	04:40 PM - 04:45 PM	59.5	57.9
11:25 AM - 11:30 AM	51.9	44.9	02:05 PM - 02:10 PM	53.4	44.8	04:45 PM - 04:50 PM	59.2	58.4
11:30 AM - 11:35 AM	49.5	43.7	02:10 PM - 02:15 PM	52.3	49.2	04:50 PM - 04:55 PM	59.1	58.1
11:35 AM - 11:40 AM	44.3	41.3	02:15 PM - 02:20 PM	50.7	45.6	04:55 PM - 05:00 PM	60.3	58.2
11:40 AM - 11:45 AM	51.1	43.3	02:20 PM - 02:25 PM	49.3	45.8	05:00 PM - 05:05 PM	58.8	57.9
11:45 AM - 11:50 AM	47.3	44.3	02:25 PM - 02:30 PM	47.2	44.1	05:05 PM - 05:10 PM	59.0	57.9
11:50 AM - 11:55 AM	54.2	45.9	02:30 PM - 02:35 PM	46.8	42.0	05:10 PM - 05:15 PM	58.8	57.5
11:55 AM - 12:00 PM	45.3	40.4	02:35 PM - 02:40 PM	45.9	42.6	05:15 PM - 05:20 PM	58.2	56.8
12:00 PM - 12:05 PM	42.7	37.3	02:40 PM - 02:45 PM	43.2	40.2	05:20 PM - 05:25 PM	56.9	56.1
12:05 PM - 12:10 PM	39.9	37.2	02:45 PM - 02:50 PM	45.2	39.6	05:25 PM - 05:30 PM	58.1	56.7
12:10 PM - 12:15 PM	41.3	39.0	02:50 PM - 02:55 PM	42.4	39.2	05:30 PM - 05:35 PM	60.4	59.0
12:15 PM - 12:20 PM	44.1	39.7	02:55 PM - 03:00 PM	42.4	40.2	05:35 PM - 05:40 PM	59.5	58.6
12:20 PM - 12:25 PM	39.4	37.3	03:00 PM - 03:05 PM	44.0	41.0	05:40 PM - 05:45 PM	58.4	56.9
12:25 PM - 12:30 PM	40.2	36.3	03:05 PM - 03:10 PM	41.5	39.7	05:45 PM - 05:50 PM	58.4	56.8
12:30 PM - 12:35 PM	40.2	36.7	03:10 PM - 03:15 PM	41.4	38.6	05:50 PM - 05:55 PM	58.5	57.6
12:35 PM - 12:40 PM	39.2	37.6	03:15 PM - 03:20 PM	40.9	38.5	05:55 PM - 06:00 PM	58.8	57.8

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419201-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-4  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณเริ่มรื้อด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 22 - Sep 23, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90	Sep 22 - Sep 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	58.7	57.8	08:40 PM - 08:45 PM	65.3	57.0	11:20 PM - 11:25 PM	60.7	57.5
06:05 PM - 06:10 PM	59.4	58.4	08:45 PM - 08:50 PM	66.3	57.0	11:25 PM - 11:30 PM	59.0	57.1
06:10 PM - 06:15 PM	58.4	57.4	08:50 PM - 08:55 PM	67.2	62.8	11:30 PM - 11:35 PM	59.7	57.4
06:15 PM - 06:20 PM	56.8	55.4	08:55 PM - 09:00 PM	66.5	61.6	11:35 PM - 11:40 PM	61.7	60.9
06:20 PM - 06:25 PM	54.6	53.7	09:00 PM - 09:05 PM	64.7	52.8	11:40 PM - 11:45 PM	60.8	57.8
06:25 PM - 06:30 PM	53.7	52.7	09:05 PM - 09:10 PM	62.5	57.7	11:45 PM - 11:50 PM	59.8	57.5
06:30 PM - 06:35 PM	52.5	51.8	09:10 PM - 09:15 PM	62.8	58.9	11:50 PM - 11:55 PM	58.8	57.4
06:35 PM - 06:40 PM	51.8	51.1	09:15 PM - 09:20 PM	60.1	55.9	11:55 PM - 12:00 AM	58.6	57.6
06:40 PM - 06:45 PM	51.3	50.7	09:20 PM - 09:25 PM	61.1	56.0	12:00 AM - 12:05 AM	59.1	57.7
06:45 PM - 06:50 PM	50.9	50.2	09:25 PM - 09:30 PM	59.1	55.0	12:05 AM - 12:10 AM	57.8	57.0
06:50 PM - 06:55 PM	50.3	49.6	09:30 PM - 09:35 PM	59.0	53.6	12:10 AM - 12:15 AM	59.6	58.4
06:55 PM - 07:00 PM	50.3	49.3	09:35 PM - 09:40 PM	61.6	54.4	12:15 AM - 12:20 AM	59.9	59.4
07:00 PM - 07:05 PM	49.7	48.8	09:40 PM - 09:45 PM	65.8	58.4	12:20 AM - 12:25 AM	60.1	57.8
07:05 PM - 07:10 PM	49.1	48.2	09:45 PM - 09:50 PM	63.5	58.0	12:25 AM - 12:30 AM	60.9	59.6
07:10 PM - 07:15 PM	48.7	48.0	09:50 PM - 09:55 PM	62.8	59.1	12:30 AM - 12:35 AM	62.4	61.8
07:15 PM - 07:20 PM	48.6	47.9	09:55 PM - 10:00 PM	64.4	56.2	12:35 AM - 12:40 AM	62.9	62.0
07:20 PM - 07:25 PM	47.7	46.8	10:00 PM - 10:05 PM	63.0	56.7	12:40 AM - 12:45 AM	63.0	62.1
07:25 PM - 07:30 PM	48.0	47.0	10:05 PM - 10:10 PM	59.4	55.6	12:45 AM - 12:50 AM	62.9	62.1
07:30 PM - 07:35 PM	48.5	47.5	10:10 PM - 10:15 PM	58.4	55.4	12:50 AM - 12:55 AM	63.3	62.1
07:35 PM - 07:40 PM	48.8	47.4	10:15 PM - 10:20 PM	59.5	56.3	12:55 AM - 01:00 AM	62.6	62.0
07:40 PM - 07:45 PM	49.3	47.7	10:20 PM - 10:25 PM	62.7	58.5	01:00 AM - 01:05 AM	62.5	61.9
07:45 PM - 07:50 PM	51.8	47.2	10:25 PM - 10:30 PM	61.9	57.2	01:05 AM - 01:10 AM	62.6	62.0
07:50 PM - 07:55 PM	56.5	48.4	10:30 PM - 10:35 PM	62.4	57.5	01:10 AM - 01:15 AM	62.4	61.9
07:55 PM - 08:00 PM	59.8	54.4	10:35 PM - 10:40 PM	61.5	58.6	01:15 AM - 01:20 AM	62.7	62.0
08:00 PM - 08:05 PM	58.8	53.6	10:40 PM - 10:45 PM	61.9	58.8	01:20 AM - 01:25 AM	62.4	61.9
08:05 PM - 08:10 PM	59.8	54.5	10:45 PM - 10:50 PM	60.6	59.5	01:25 AM - 01:30 AM	62.5	61.9
08:10 PM - 08:15 PM	59.5	50.4	10:50 PM - 10:55 PM	59.5	58.7	01:30 AM - 01:35 AM	62.4	61.9
08:15 PM - 08:20 PM	58.7	50.7	10:55 PM - 11:00 PM	60.2	59.3	01:35 AM - 01:40 AM	62.4	61.8
08:20 PM - 08:25 PM	62.6	55.1	11:00 PM - 11:05 PM	60.9	59.5	01:40 AM - 01:45 AM	62.3	61.8
08:25 PM - 08:30 PM	64.0	57.0	11:05 PM - 11:10 PM	60.8	59.6	01:45 AM - 01:50 AM	62.3	61.8
08:30 PM - 08:35 PM	61.0	55.1	11:10 PM - 11:15 PM	58.9	57.5	01:50 AM - 01:55 AM	62.5	61.7
08:35 PM - 08:40 PM	64.4	56.1	11:15 PM - 11:20 PM	58.8	57.3	01:55 AM - 02:00 AM	62.2	61.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419201-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-4  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 22 - Sep 23, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	62.1	61.5	04:40 AM - 04:45 AM	63.0	51.2	07:20 AM - 07:25 AM	42.6	39.6
02:05 AM - 02:10 AM	62.2	61.7	04:45 AM - 04:50 AM	52.4	50.7	07:25 AM - 07:30 AM	45.1	40.4
02:10 AM - 02:15 AM	62.2	61.5	04:50 AM - 04:55 AM	52.7	50.8	07:30 AM - 07:35 AM	45.4	40.3
02:15 AM - 02:20 AM	61.8	61.3	04:55 AM - 05:00 AM	61.5	47.1	07:35 AM - 07:40 AM	43.3	40.3
02:20 AM - 02:25 AM	61.9	61.4	05:00 AM - 05:05 AM	48.6	46.9	07:40 AM - 07:45 AM	44.9	40.3
02:25 AM - 02:30 AM	62.2	61.6	05:05 AM - 05:10 AM	61.5	47.4	07:45 AM - 07:50 AM	44.3	40.3
02:30 AM - 02:35 AM	62.1	61.6	05:10 AM - 05:15 AM	61.0	56.7	07:50 AM - 07:55 AM	43.4	40.0
02:35 AM - 02:40 AM	62.2	61.6	05:15 AM - 05:20 AM	57.7	56.7	07:55 AM - 08:00 AM	43.5	39.0
02:40 AM - 02:45 AM	62.0	61.4	05:20 AM - 05:25 AM	57.9	56.7	08:00 AM - 08:05 AM	45.6	38.1
02:45 AM - 02:50 AM	64.1	61.3	05:25 AM - 05:30 AM	56.9	56.5	08:05 AM - 08:10 AM	43.5	38.8
02:50 AM - 02:55 AM	62.1	61.2	05:30 AM - 05:35 AM	51.7	44.8	08:10 AM - 08:15 AM	50.1	48.7
02:55 AM - 03:00 AM	61.7	60.5	05:35 AM - 05:40 AM	44.4	42.4	08:15 AM - 08:20 AM	49.8	49.0
03:00 AM - 03:05 AM	60.7	60.2	05:40 AM - 05:45 AM	45.2	41.8	08:20 AM - 08:25 AM	51.0	43.4
03:05 AM - 03:10 AM	63.3	60.9	05:45 AM - 05:50 AM	43.1	41.7	08:25 AM - 08:30 AM	51.6	39.7
03:10 AM - 03:15 AM	61.6	61.0	05:50 AM - 05:55 AM	45.2	42.0	08:30 AM - 08:35 AM	45.1	39.0
03:15 AM - 03:20 AM	61.6	58.3	05:55 AM - 06:00 AM	44.0	41.6	08:35 AM - 08:40 AM	49.5	44.2
03:20 AM - 03:25 AM	61.1	58.2	06:00 AM - 06:05 AM	43.1	41.3	08:40 AM - 08:45 AM	44.7	42.3
03:25 AM - 03:30 AM	59.1	58.1	06:05 AM - 06:10 AM	45.7	41.3	08:45 AM - 08:50 AM	45.9	44.1
03:30 AM - 03:35 AM	58.6	58.0	06:10 AM - 06:15 AM	45.2	42.6	08:50 AM - 08:55 AM	44.8	40.5
03:35 AM - 03:40 AM	61.6	56.0	06:15 AM - 06:20 AM	46.1	42.3	08:55 AM - 09:00 AM	42.8	39.4
03:40 AM - 03:45 AM	53.8	51.4	06:20 AM - 06:25 AM	46.0	40.4	09:00 AM - 09:05 AM	42.1	39.1
03:45 AM - 03:50 AM	60.4	51.4	06:25 AM - 06:30 AM	46.4	40.5	09:05 AM - 09:10 AM	42.9	40.1
03:50 AM - 03:55 AM	55.4	51.3	06:30 AM - 06:35 AM	46.6	40.6	09:10 AM - 09:15 AM	45.2	39.0
03:55 AM - 04:00 AM	60.6	51.3	06:35 AM - 06:40 AM	42.3	40.3	09:15 AM - 09:20 AM	53.6	48.2
04:00 AM - 04:05 AM	64.2	51.5	06:40 AM - 06:45 AM	42.2	40.6	09:20 AM - 09:25 AM	53.8	47.0
04:05 AM - 04:10 AM	59.1	51.1	06:45 AM - 06:50 AM	46.8	41.0	09:25 AM - 09:30 AM	54.0	44.3
04:10 AM - 04:15 AM	61.9	51.2	06:50 AM - 06:55 AM	43.3	40.7	09:30 AM - 09:35 AM	54.9	46.0
04:15 AM - 04:20 AM	59.0	48.3	06:55 AM - 07:00 AM	47.0	41.5	09:35 AM - 09:40 AM	46.2	43.6
04:20 AM - 04:25 AM	50.1	47.9	07:00 AM - 07:05 AM	47.8	43.0	09:40 AM - 09:45 AM	52.7	43.7
04:25 AM - 04:30 AM	53.1	51.2	07:05 AM - 07:10 AM	49.3	45.5	09:45 AM - 09:50 AM	47.5	43.3
04:30 AM - 04:35 AM	62.2	51.1	07:10 AM - 07:15 AM	46.1	40.3	09:50 AM - 09:55 AM	47.2	43.4
04:35 AM - 04:40 AM	52.9	50.7	07:15 AM - 07:20 AM	43.2	39.7	09:55 AM - 10:00 AM	53.4	43.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419202-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-5  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 23 - Sep 24, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	51.9	43.2	12:40 PM - 12:45 PM	43.3	40.3	03:20 PM - 03:25 PM	43.1	40.8
10:05 AM - 10:10 AM	48.8	42.3	12:45 PM - 12:50 PM	43.3	41.7	03:25 PM - 03:30 PM	44.1	40.3
10:10 AM - 10:15 AM	51.6	43.0	12:50 PM - 12:55 PM	44.7	41.4	03:30 PM - 03:35 PM	46.5	41.8
10:15 AM - 10:20 AM	53.4	44.3	12:55 PM - 01:00 PM	44.0	40.3	03:35 PM - 03:40 PM	45.0	42.6
10:20 AM - 10:25 AM	52.9	47.6	01:00 PM - 01:05 PM	49.0	45.8	03:40 PM - 03:45 PM	46.6	43.1
10:25 AM - 10:30 AM	53.0	45.7	01:05 PM - 01:10 PM	49.8	46.1	03:45 PM - 03:50 PM	47.2	42.5
10:30 AM - 10:35 AM	50.0	44.6	01:10 PM - 01:15 PM	48.6	45.8	03:50 PM - 03:55 PM	47.0	42.6
10:35 AM - 10:40 AM	54.0	43.8	01:15 PM - 01:20 PM	50.2	43.8	03:55 PM - 04:00 PM	47.4	43.8
10:40 AM - 10:45 AM	54.7	52.2	01:20 PM - 01:25 PM	47.8	43.5	04:00 PM - 04:05 PM	47.6	45.1
10:45 AM - 10:50 AM	53.3	45.5	01:25 PM - 01:30 PM	47.7	43.8	04:05 PM - 04:10 PM	46.2	42.2
10:50 AM - 10:55 AM	52.2	46.5	01:30 PM - 01:35 PM	48.9	43.9	04:10 PM - 04:15 PM	47.9	40.2
10:55 AM - 11:00 AM	51.6	47.6	01:35 PM - 01:40 PM	48.1	43.0	04:15 PM - 04:20 PM	43.2	41.0
11:00 AM - 11:05 AM	52.5	47.0	01:40 PM - 01:45 PM	51.9	43.9	04:20 PM - 04:25 PM	42.4	38.8
11:05 AM - 11:10 AM	50.6	45.6	01:45 PM - 01:50 PM	49.0	44.9	04:25 PM - 04:30 PM	42.3	39.4
11:10 AM - 11:15 AM	49.3	44.5	01:50 PM - 01:55 PM	48.9	45.2	04:30 PM - 04:35 PM	47.8	43.4
11:15 AM - 11:20 AM	50.6	44.8	01:55 PM - 02:00 PM	51.1	44.8	04:35 PM - 04:40 PM	47.6	42.9
11:20 AM - 11:25 AM	54.2	46.3	02:00 PM - 02:05 PM	49.9	45.2	04:40 PM - 04:45 PM	44.3	40.4
11:25 AM - 11:30 AM	53.2	44.0	02:05 PM - 02:10 PM	48.9	44.5	04:45 PM - 04:50 PM	45.6	40.9
11:30 AM - 11:35 AM	52.3	47.6	02:10 PM - 02:15 PM	52.5	44.9	04:50 PM - 04:55 PM	41.1	38.9
11:35 AM - 11:40 AM	49.9	45.2	02:15 PM - 02:20 PM	49.5	43.4	04:55 PM - 05:00 PM	44.5	40.1
11:40 AM - 11:45 AM	54.3	45.7	02:20 PM - 02:25 PM	52.1	44.2	05:00 PM - 05:05 PM	41.2	39.5
11:45 AM - 11:50 AM	48.0	43.4	02:25 PM - 02:30 PM	48.7	42.7	05:05 PM - 05:10 PM	43.2	39.9
11:50 AM - 11:55 AM	49.5	43.8	02:30 PM - 02:35 PM	50.1	45.5	05:10 PM - 05:15 PM	42.1	39.0
11:55 AM - 12:00 PM	54.8	42.8	02:35 PM - 02:40 PM	53.4	47.0	05:15 PM - 05:20 PM	43.5	39.0
12:00 PM - 12:05 PM	56.2	41.7	02:40 PM - 02:45 PM	50.1	45.5	05:20 PM - 05:25 PM	44.2	39.0
12:05 PM - 12:10 PM	44.6	41.8	02:45 PM - 02:50 PM	47.6	44.9	05:25 PM - 05:30 PM	41.3	39.1
12:10 PM - 12:15 PM	48.4	41.8	02:50 PM - 02:55 PM	47.7	44.8	05:30 PM - 05:35 PM	42.1	39.6
12:15 PM - 12:20 PM	42.9	41.8	02:55 PM - 03:00 PM	51.8	43.8	05:35 PM - 05:40 PM	41.9	40.2
12:20 PM - 12:25 PM	42.9	41.0	03:00 PM - 03:05 PM	46.0	42.8	05:40 PM - 05:45 PM	41.0	39.4
12:25 PM - 12:30 PM	42.3	39.9	03:05 PM - 03:10 PM	51.1	42.0	05:45 PM - 05:50 PM	40.5	39.0
12:30 PM - 12:35 PM	40.8	37.9	03:10 PM - 03:15 PM	42.9	40.1	05:50 PM - 05:55 PM	41.2	39.5
12:35 PM - 12:40 PM	42.1	40.5	03:15 PM - 03:20 PM	42.2	38.9	05:55 PM - 06:00 PM	41.1	39.8

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419202-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-5  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 23 - Sep 24, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90	Sep 23 - Sep 24, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	41.1	39.9	08:40 PM - 08:45 PM	51.8	49.4	11:20 PM - 11:25 PM	59.2	58.5
06:05 PM - 06:10 PM	41.2	39.4	08:45 PM - 08:50 PM	51.1	49.4	11:25 PM - 11:30 PM	59.2	58.0
06:10 PM - 06:15 PM	41.2	39.7	08:50 PM - 08:55 PM	53.0	49.0	11:30 PM - 11:35 PM	58.9	57.9
06:15 PM - 06:20 PM	40.9	39.4	08:55 PM - 09:00 PM	51.4	48.7	11:35 PM - 11:40 PM	60.3	58.9
06:20 PM - 06:25 PM	41.3	39.9	09:00 PM - 09:05 PM	49.5	47.3	11:40 PM - 11:45 PM	60.5	58.7
06:25 PM - 06:30 PM	43.7	41.9	09:05 PM - 09:10 PM	49.0	47.2	11:45 PM - 11:50 PM	60.0	58.9
06:30 PM - 06:35 PM	46.4	44.8	09:10 PM - 09:15 PM	50.4	47.5	11:50 PM - 11:55 PM	60.3	59.1
06:35 PM - 06:40 PM	48.3	47.0	09:15 PM - 09:20 PM	53.2	48.0	11:55 PM - 12:00 AM	59.5	57.9
06:40 PM - 06:45 PM	50.7	48.5	09:20 PM - 09:25 PM	57.7	56.8	12:00 AM - 12:05 AM	59.7	59.1
06:45 PM - 06:50 PM	51.1	49.8	09:25 PM - 09:30 PM	55.1	47.4	12:05 AM - 12:10 AM	60.4	59.2
06:50 PM - 06:55 PM	50.2	48.2	09:30 PM - 09:35 PM	54.4	47.6	12:10 AM - 12:15 AM	60.6	59.2
06:55 PM - 07:00 PM	50.7	49.7	09:35 PM - 09:40 PM	54.7	48.9	12:15 AM - 12:20 AM	59.5	59.1
07:00 PM - 07:05 PM	50.5	49.5	09:40 PM - 09:45 PM	56.8	52.3	12:20 AM - 12:25 AM	59.6	59.0
07:05 PM - 07:10 PM	50.6	49.5	09:45 PM - 09:50 PM	57.1	55.8	12:25 AM - 12:30 AM	60.5	59.0
07:10 PM - 07:15 PM	50.6	49.7	09:50 PM - 09:55 PM	58.2	57.3	12:30 AM - 12:35 AM	60.3	59.1
07:15 PM - 07:20 PM	49.7	48.0	09:55 PM - 10:00 PM	58.4	57.6	12:35 AM - 12:40 AM	59.6	59.0
07:20 PM - 07:25 PM	50.3	49.4	10:00 PM - 10:05 PM	59.4	58.6	12:40 AM - 12:45 AM	60.5	59.1
07:25 PM - 07:30 PM	50.2	49.3	10:05 PM - 10:10 PM	60.0	59.3	12:45 AM - 12:50 AM	59.0	55.5
07:30 PM - 07:35 PM	49.8	48.6	10:10 PM - 10:15 PM	60.0	59.4	12:50 AM - 12:55 AM	56.7	55.3
07:35 PM - 07:40 PM	50.1	49.1	10:15 PM - 10:20 PM	60.0	59.5	12:55 AM - 01:00 AM	58.1	55.4
07:40 PM - 07:45 PM	50.7	48.9	10:20 PM - 10:25 PM	60.0	59.4	01:00 AM - 01:05 AM	58.2	55.4
07:45 PM - 07:50 PM	52.1	49.9	10:25 PM - 10:30 PM	60.1	59.5	01:05 AM - 01:10 AM	58.0	55.4
07:50 PM - 07:55 PM	51.1	47.5	10:30 PM - 10:35 PM	60.1	59.4	01:10 AM - 01:15 AM	56.1	55.7
07:55 PM - 08:00 PM	49.7	47.7	10:35 PM - 10:40 PM	59.8	59.3	01:15 AM - 01:20 AM	56.0	55.5
08:00 PM - 08:05 PM	49.4	46.7	10:40 PM - 10:45 PM	59.9	59.3	01:20 AM - 01:25 AM	55.8	55.3
08:05 PM - 08:10 PM	52.0	48.4	10:45 PM - 10:50 PM	59.8	59.3	01:25 AM - 01:30 AM	55.6	55.1
08:10 PM - 08:15 PM	53.2	50.1	10:50 PM - 10:55 PM	60.1	59.3	01:30 AM - 01:35 AM	55.5	55.0
08:15 PM - 08:20 PM	52.3	49.6	10:55 PM - 11:00 PM	60.1	59.5	01:35 AM - 01:40 AM	55.4	54.9
08:20 PM - 08:25 PM	53.7	50.0	11:00 PM - 11:05 PM	59.9	59.4	01:40 AM - 01:45 AM	55.5	55.1
08:25 PM - 08:30 PM	50.7	48.8	11:05 PM - 11:10 PM	60.0	59.4	01:45 AM - 01:50 AM	55.4	55.0
08:30 PM - 08:35 PM	51.9	49.1	11:10 PM - 11:15 PM	60.1	59.6	01:50 AM - 01:55 AM	55.5	55.0
08:35 PM - 08:40 PM	52.1	49.3	11:15 PM - 11:20 PM	60.1	59.6	01:55 AM - 02:00 AM	55.4	55.0

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419202-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-5  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 23 - Sep 24, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	55.7	55.2	04:40 AM - 04:45 AM	49.9	48.6	07:20 AM - 07:25 AM	49.7	39.5
02:05 AM - 02:10 AM	55.6	55.1	04:45 AM - 04:50 AM	50.1	49.0	07:25 AM - 07:30 AM	42.9	39.5
02:10 AM - 02:15 AM	55.5	55.0	04:50 AM - 04:55 AM	50.2	48.9	07:30 AM - 07:35 AM	41.5	39.9
02:15 AM - 02:20 AM	55.5	55.0	04:55 AM - 05:00 AM	49.3	48.2	07:35 AM - 07:40 AM	42.6	40.0
02:20 AM - 02:25 AM	55.4	54.9	05:00 AM - 05:05 AM	48.9	48.3	07:40 AM - 07:45 AM	46.3	38.3
02:25 AM - 02:30 AM	55.4	55.0	05:05 AM - 05:10 AM	49.0	48.3	07:45 AM - 07:50 AM	42.1	38.5
02:30 AM - 02:35 AM	55.4	54.9	05:10 AM - 05:15 AM	46.6	41.7	07:50 AM - 07:55 AM	43.1	38.6
02:35 AM - 02:40 AM	55.2	54.7	05:15 AM - 05:20 AM	42.8	41.0	07:55 AM - 08:00 AM	40.3	38.5
02:40 AM - 02:45 AM	55.2	54.7	05:20 AM - 05:25 AM	44.0	40.5	08:00 AM - 08:05 AM	49.0	39.6
02:45 AM - 02:50 AM	55.1	54.6	05:25 AM - 05:30 AM	43.0	40.4	08:05 AM - 08:10 AM	47.2	39.9
02:50 AM - 02:55 AM	55.0	54.6	05:30 AM - 05:35 AM	43.1	40.9	08:10 AM - 08:15 AM	48.0	40.5
02:55 AM - 03:00 AM	55.0	54.6	05:35 AM - 05:40 AM	43.4	41.4	08:15 AM - 08:20 AM	41.5	39.8
03:00 AM - 03:05 AM	55.1	54.6	05:40 AM - 05:45 AM	42.8	41.1	08:20 AM - 08:25 AM	41.5	40.2
03:05 AM - 03:10 AM	55.1	54.6	05:45 AM - 05:50 AM	43.7	41.2	08:25 AM - 08:30 AM	43.2	40.7
03:10 AM - 03:15 AM	55.1	54.7	05:50 AM - 05:55 AM	42.6	40.7	08:30 AM - 08:35 AM	43.9	40.4
03:15 AM - 03:20 AM	55.1	54.6	05:55 AM - 06:00 AM	44.5	40.8	08:35 AM - 08:40 AM	41.8	39.2
03:20 AM - 03:25 AM	54.9	54.3	06:00 AM - 06:05 AM	43.7	39.9	08:40 AM - 08:45 AM	41.3	38.3
03:25 AM - 03:30 AM	54.6	53.9	06:05 AM - 06:10 AM	45.0	39.9	08:45 AM - 08:50 AM	41.1	38.8
03:30 AM - 03:35 AM	54.8	54.3	06:10 AM - 06:15 AM	44.2	39.8	08:50 AM - 08:55 AM	42.4	38.9
03:35 AM - 03:40 AM	52.9	47.1	06:15 AM - 06:20 AM	43.6	40.3	08:55 AM - 09:00 AM	41.2	38.8
03:40 AM - 03:45 AM	48.9	47.0	06:20 AM - 06:25 AM	43.7	40.2	09:00 AM - 09:05 AM	42.3	39.2
03:45 AM - 03:50 AM	49.6	47.0	06:25 AM - 06:30 AM	43.1	40.7	09:05 AM - 09:10 AM	45.3	40.9
03:50 AM - 03:55 AM	48.1	45.6	06:30 AM - 06:35 AM	42.3	40.1	09:10 AM - 09:15 AM	50.2	46.3
03:55 AM - 04:00 AM	48.6	46.6	06:35 AM - 06:40 AM	42.0	39.7	09:15 AM - 09:20 AM	54.8	48.5
04:00 AM - 04:05 AM	48.5	45.9	06:40 AM - 06:45 AM	44.0	40.9	09:20 AM - 09:25 AM	55.3	51.1
04:05 AM - 04:10 AM	48.5	46.5	06:45 AM - 06:50 AM	43.1	40.1	09:25 AM - 09:30 AM	53.2	47.0
04:10 AM - 04:15 AM	48.0	46.1	06:50 AM - 06:55 AM	42.8	40.5	09:30 AM - 09:35 AM	52.4	46.3
04:15 AM - 04:20 AM	51.3	46.0	06:55 AM - 07:00 AM	45.4	41.5	09:35 AM - 09:40 AM	54.7	46.5
04:20 AM - 04:25 AM	48.5	46.9	07:00 AM - 07:05 AM	44.1	40.6	09:40 AM - 09:45 AM	52.9	46.9
04:25 AM - 04:30 AM	49.2	48.7	07:05 AM - 07:10 AM	46.5	41.0	09:45 AM - 09:50 AM	51.2	46.0
04:30 AM - 04:35 AM	49.3	48.9	07:10 AM - 07:15 AM	42.2	39.8	09:50 AM - 09:55 AM	52.1	45.7
04:35 AM - 04:40 AM	49.1	48.6	07:15 AM - 07:20 AM	42.3	39.7	09:55 AM - 10:00 AM	54.5	49.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419203-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-6  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 24 - Sep 25, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	57.8	49.1	12:40 PM - 12:45 PM	38.7	35.9	03:20 PM - 03:25 PM	46.0	43.1
10:05 AM - 10:10 AM	54.3	50.5	12:45 PM - 12:50 PM	38.8	36.7	03:25 PM - 03:30 PM	47.8	42.9
10:10 AM - 10:15 AM	57.0	51.2	12:50 PM - 12:55 PM	54.6	36.4	03:30 PM - 03:35 PM	48.2	42.7
10:15 AM - 10:20 AM	55.0	51.1	12:55 PM - 01:00 PM	47.7	41.7	03:35 PM - 03:40 PM	48.9	43.5
10:20 AM - 10:25 AM	52.2	48.4	01:00 PM - 01:05 PM	50.5	49.1	03:40 PM - 03:45 PM	49.6	42.6
10:25 AM - 10:30 AM	52.8	49.6	01:05 PM - 01:10 PM	53.5	44.5	03:45 PM - 03:50 PM	47.6	44.3
10:30 AM - 10:35 AM	53.8	50.3	01:10 PM - 01:15 PM	46.9	40.5	03:50 PM - 03:55 PM	51.0	41.3
10:35 AM - 10:40 AM	54.2	50.7	01:15 PM - 01:20 PM	50.1	40.1	03:55 PM - 04:00 PM	49.5	44.6
10:40 AM - 10:45 AM	53.8	50.5	01:20 PM - 01:25 PM	48.4	40.8	04:00 PM - 04:05 PM	47.9	44.6
10:45 AM - 10:50 AM	57.9	51.5	01:25 PM - 01:30 PM	52.5	44.0	04:05 PM - 04:10 PM	49.8	43.7
10:50 AM - 10:55 AM	53.7	47.1	01:30 PM - 01:35 PM	52.4	43.6	04:10 PM - 04:15 PM	44.7	40.9
10:55 AM - 11:00 AM	52.7	46.1	01:35 PM - 01:40 PM	55.1	44.4	04:15 PM - 04:20 PM	48.8	42.7
11:00 AM - 11:05 AM	54.4	49.2	01:40 PM - 01:45 PM	45.3	42.2	04:20 PM - 04:25 PM	48.0	44.8
11:05 AM - 11:10 AM	51.4	45.9	01:45 PM - 01:50 PM	48.3	42.7	04:25 PM - 04:30 PM	45.5	39.2
11:10 AM - 11:15 AM	51.1	45.4	01:50 PM - 01:55 PM	48.3	42.7	04:30 PM - 04:35 PM	44.7	39.9
11:15 AM - 11:20 AM	53.7	46.6	01:55 PM - 02:00 PM	49.8	43.3	04:35 PM - 04:40 PM	47.3	42.1
11:20 AM - 11:25 AM	53.3	45.6	02:00 PM - 02:05 PM	52.6	44.7	04:40 PM - 04:45 PM	49.9	42.2
11:25 AM - 11:30 AM	51.7	45.7	02:05 PM - 02:10 PM	50.9	45.8	04:45 PM - 04:50 PM	46.3	41.4
11:30 AM - 11:35 AM	46.3	42.4	02:10 PM - 02:15 PM	54.8	46.5	04:50 PM - 04:55 PM	45.6	40.3
11:35 AM - 11:40 AM	46.0	42.7	02:15 PM - 02:20 PM	51.9	44.5	04:55 PM - 05:00 PM	44.3	40.6
11:40 AM - 11:45 AM	50.9	43.4	02:20 PM - 02:25 PM	52.0	43.6	05:00 PM - 05:05 PM	46.1	41.1
11:45 AM - 11:50 AM	49.0	41.7	02:25 PM - 02:30 PM	49.6	44.6	05:05 PM - 05:10 PM	49.1	42.6
11:50 AM - 11:55 AM	47.3	40.9	02:30 PM - 02:35 PM	48.8	44.9	05:10 PM - 05:15 PM	50.1	41.9
11:55 AM - 12:00 PM	44.4	37.3	02:35 PM - 02:40 PM	50.8	46.5	05:15 PM - 05:20 PM	50.8	42.6
12:00 PM - 12:05 PM	51.5	35.5	02:40 PM - 02:45 PM	48.1	43.4	05:20 PM - 05:25 PM	46.1	41.0
12:05 PM - 12:10 PM	40.6	34.2	02:45 PM - 02:50 PM	51.0	41.6	05:25 PM - 05:30 PM	49.3	41.8
12:10 PM - 12:15 PM	43.6	35.3	02:50 PM - 02:55 PM	56.3	44.3	05:30 PM - 05:35 PM	46.8	42.0
12:15 PM - 12:20 PM	40.5	35.4	02:55 PM - 03:00 PM	45.4	41.0	05:35 PM - 05:40 PM	49.8	42.1
12:20 PM - 12:25 PM	37.7	35.3	03:00 PM - 03:05 PM	43.5	39.6	05:40 PM - 05:45 PM	46.3	41.9
12:25 PM - 12:30 PM	38.7	35.7	03:05 PM - 03:10 PM	44.0	39.3	05:45 PM - 05:50 PM	48.8	42.1
12:30 PM - 12:35 PM	40.0	36.3	03:10 PM - 03:15 PM	55.6	40.7	05:50 PM - 05:55 PM	47.6	40.7
12:35 PM - 12:40 PM	38.1	36.0	03:15 PM - 03:20 PM	51.0	42.6	05:55 PM - 06:00 PM	43.5	40.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419203-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-6  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 24 - Sep 25, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 24, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 24, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 24 - Sep 25, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	41.9	40.0	08:40 PM - 08:45 PM	49.4	47.5	11:20 PM - 11:25 PM	65.8	65.5
06:05 PM - 06:10 PM	46.2	41.0	08:45 PM - 08:50 PM	51.0	49.9	11:25 PM - 11:30 PM	65.7	65.4
06:10 PM - 06:15 PM	46.5	43.8	08:50 PM - 08:55 PM	51.5	50.2	11:30 PM - 11:35 PM	65.7	65.3
06:15 PM - 06:20 PM	44.2	41.2	08:55 PM - 09:00 PM	54.2	50.4	11:35 PM - 11:40 PM	65.6	65.3
06:20 PM - 06:25 PM	43.8	41.8	09:00 PM - 09:05 PM	55.5	54.7	11:40 PM - 11:45 PM	65.5	65.2
06:25 PM - 06:30 PM	46.1	43.4	09:05 PM - 09:10 PM	63.4	55.0	11:45 PM - 11:50 PM	65.6	65.3
06:30 PM - 06:35 PM	48.3	47.1	09:10 PM - 09:15 PM	66.1	65.9	11:50 PM - 11:55 PM	65.6	65.3
06:35 PM - 06:40 PM	48.8	47.8	09:15 PM - 09:20 PM	66.1	65.9	11:55 PM - 12:00 AM	65.8	65.4
06:40 PM - 06:45 PM	48.6	47.8	09:20 PM - 09:25 PM	66.0	65.7	12:00 AM - 12:05 AM	65.7	65.3
06:45 PM - 06:50 PM	48.7	47.8	09:25 PM - 09:30 PM	64.3	55.2	12:05 AM - 12:10 AM	65.6	65.3
06:50 PM - 06:55 PM	48.2	47.2	09:30 PM - 09:35 PM	55.1	54.6	12:10 AM - 12:15 AM	65.6	65.3
06:55 PM - 07:00 PM	47.9	46.8	09:35 PM - 09:40 PM	55.2	54.7	12:15 AM - 12:20 AM	65.5	65.2
07:00 PM - 07:05 PM	48.0	47.1	09:40 PM - 09:45 PM	55.9	55.0	12:20 AM - 12:25 AM	65.6	65.2
07:05 PM - 07:10 PM	47.9	47.0	09:45 PM - 09:50 PM	55.4	54.9	12:25 AM - 12:30 AM	65.6	65.0
07:10 PM - 07:15 PM	48.1	47.1	09:50 PM - 09:55 PM	55.3	54.8	12:30 AM - 12:35 AM	61.1	56.2
07:15 PM - 07:20 PM	47.6	46.0	09:55 PM - 10:00 PM	55.2	54.7	12:35 AM - 12:40 AM	57.5	55.7
07:20 PM - 07:25 PM	47.9	46.9	10:00 PM - 10:05 PM	55.1	54.6	12:40 AM - 12:45 AM	56.5	55.9
07:25 PM - 07:30 PM	47.9	47.0	10:05 PM - 10:10 PM	55.4	54.6	12:45 AM - 12:50 AM	58.4	55.6
07:30 PM - 07:35 PM	48.3	47.3	10:10 PM - 10:15 PM	55.5	54.8	12:50 AM - 12:55 AM	64.7	64.4
07:35 PM - 07:40 PM	48.9	48.0	10:15 PM - 10:20 PM	62.2	54.9	12:55 AM - 01:00 AM	64.7	64.5
07:40 PM - 07:45 PM	49.1	48.2	10:20 PM - 10:25 PM	65.3	65.0	01:00 AM - 01:05 AM	64.8	64.4
07:45 PM - 07:50 PM	48.8	48.1	10:25 PM - 10:30 PM	65.3	65.1	01:05 AM - 01:10 AM	64.8	64.4
07:50 PM - 07:55 PM	49.1	48.5	10:30 PM - 10:35 PM	65.4	65.2	01:10 AM - 01:15 AM	64.7	64.4
07:55 PM - 08:00 PM	49.9	49.4	10:35 PM - 10:40 PM	65.4	65.2	01:15 AM - 01:20 AM	64.7	64.4
08:00 PM - 08:05 PM	49.7	49.2	10:40 PM - 10:45 PM	65.5	65.3	01:20 AM - 01:25 AM	64.6	64.4
08:05 PM - 08:10 PM	49.2	48.7	10:45 PM - 10:50 PM	65.6	65.3	01:25 AM - 01:30 AM	64.6	64.3
08:10 PM - 08:15 PM	49.6	48.8	10:50 PM - 10:55 PM	65.6	65.4	01:30 AM - 01:35 AM	64.8	64.4
08:15 PM - 08:20 PM	49.3	48.8	10:55 PM - 11:00 PM	65.6	65.4	01:35 AM - 01:40 AM	64.8	64.4
08:20 PM - 08:25 PM	49.8	49.3	11:00 PM - 11:05 PM	65.6	65.4	01:40 AM - 01:45 AM	64.6	64.3
08:25 PM - 08:30 PM	49.7	49.0	11:05 PM - 11:10 PM	65.7	65.4	01:45 AM - 01:50 AM	64.6	64.3
08:30 PM - 08:35 PM	49.1	47.6	11:10 PM - 11:15 PM	65.7	65.5	01:50 AM - 01:55 AM	64.4	64.2
08:35 PM - 08:40 PM	49.3	47.5	11:15 PM - 11:20 PM	65.2	64.2	01:55 AM - 02:00 AM	64.6	64.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419203-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** 2573111-6  
**Parameter** Noise Level (Leq 5 min)  
**Location** บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** Sep 24 - Sep 25, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 00709778

Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	64.4	64.2	04:40 AM - 04:45 AM	48.0	47.3	07:20 AM - 07:25 AM	40.9	38.6
02:05 AM - 02:10 AM	64.6	64.4	04:45 AM - 04:50 AM	48.1	47.4	07:25 AM - 07:30 AM	45.9	39.3
02:10 AM - 02:15 AM	64.7	64.3	04:50 AM - 04:55 AM	47.7	47.2	07:30 AM - 07:35 AM	41.4	39.0
02:15 AM - 02:20 AM	64.7	64.4	04:55 AM - 05:00 AM	47.6	47.1	07:35 AM - 07:40 AM	47.2	40.1
02:20 AM - 02:25 AM	64.8	64.4	05:00 AM - 05:05 AM	47.3	46.1	07:40 AM - 07:45 AM	43.5	39.6
02:25 AM - 02:30 AM	64.7	64.4	05:05 AM - 05:10 AM	46.0	44.1	07:45 AM - 07:50 AM	43.1	40.1
02:30 AM - 02:35 AM	63.9	54.5	05:10 AM - 05:15 AM	45.1	44.3	07:50 AM - 07:55 AM	43.4	38.6
02:35 AM - 02:40 AM	62.2	54.2	05:15 AM - 05:20 AM	44.7	43.7	07:55 AM - 08:00 AM	41.0	37.3
02:40 AM - 02:45 AM	63.7	63.5	05:20 AM - 05:25 AM	46.6	43.5	08:00 AM - 08:05 AM	50.9	42.2
02:45 AM - 02:50 AM	63.7	63.4	05:25 AM - 05:30 AM	44.4	43.4	08:05 AM - 08:10 AM	51.3	48.8
02:50 AM - 02:55 AM	63.4	63.3	05:30 AM - 05:35 AM	50.4	44.4	08:10 AM - 08:15 AM	49.5	48.7
02:55 AM - 03:00 AM	63.4	63.2	05:35 AM - 05:40 AM	48.9	42.0	08:15 AM - 08:20 AM	49.5	48.5
03:00 AM - 03:05 AM	63.4	63.2	05:40 AM - 05:45 AM	47.7	45.5	08:20 AM - 08:25 AM	50.6	49.0
03:05 AM - 03:10 AM	63.4	63.1	05:45 AM - 05:50 AM	52.9	47.1	08:25 AM - 08:30 AM	44.4	40.9
03:10 AM - 03:15 AM	55.2	46.8	05:50 AM - 05:55 AM	53.1	44.3	08:30 AM - 08:35 AM	42.7	40.4
03:15 AM - 03:20 AM	47.1	46.5	05:55 AM - 06:00 AM	51.8	45.1	08:35 AM - 08:40 AM	42.7	40.4
03:20 AM - 03:25 AM	45.1	43.2	06:00 AM - 06:05 AM	52.0	44.5	08:40 AM - 08:45 AM	42.8	40.2
03:25 AM - 03:30 AM	44.0	43.2	06:05 AM - 06:10 AM	50.7	45.6	08:45 AM - 08:50 AM	43.2	40.7
03:30 AM - 03:35 AM	44.5	43.4	06:10 AM - 06:15 AM	49.5	43.6	08:50 AM - 08:55 AM	41.7	39.7
03:35 AM - 03:40 AM	44.5	43.3	06:15 AM - 06:20 AM	46.0	41.2	08:55 AM - 09:00 AM	43.3	40.1
03:40 AM - 03:45 AM	44.1	43.4	06:20 AM - 06:25 AM	45.8	42.1	09:00 AM - 09:05 AM	46.6	40.7
03:45 AM - 03:50 AM	43.9	43.1	06:25 AM - 06:30 AM	45.3	40.8	09:05 AM - 09:10 AM	49.7	48.6
03:50 AM - 03:55 AM	43.8	42.8	06:30 AM - 06:35 AM	46.3	43.3	09:10 AM - 09:15 AM	52.7	49.4
03:55 AM - 04:00 AM	44.9	43.1	06:35 AM - 06:40 AM	46.4	43.4	09:15 AM - 09:20 AM	53.2	48.1
04:00 AM - 04:05 AM	45.6	43.6	06:40 AM - 06:45 AM	46.2	42.8	09:20 AM - 09:25 AM	51.9	48.2
04:05 AM - 04:10 AM	46.6	43.6	06:45 AM - 06:50 AM	60.8	40.2	09:25 AM - 09:30 AM	53.2	48.3
04:10 AM - 04:15 AM	51.0	50.3	06:50 AM - 06:55 AM	61.4	39.4	09:30 AM - 09:35 AM	53.2	47.9
04:15 AM - 04:20 AM	51.0	50.3	06:55 AM - 07:00 AM	40.1	38.1	09:35 AM - 09:40 AM	52.3	47.8
04:20 AM - 04:25 AM	49.2	45.7	07:00 AM - 07:05 AM	40.3	38.1	09:40 AM - 09:45 AM	48.2	47.3
04:25 AM - 04:30 AM	45.9	45.3	07:05 AM - 07:10 AM	39.6	38.2	09:45 AM - 09:50 AM	50.2	47.9
04:30 AM - 04:35 AM	46.7	45.6	07:10 AM - 07:15 AM	39.9	38.1	09:50 AM - 09:55 AM	51.3	48.5
04:35 AM - 04:40 AM	47.7	47.2	07:15 AM - 07:20 AM	40.2	38.6	09:55 AM - 10:00 AM	49.3	45.1

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419204-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-7  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 25 - Sep 26, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	55.7	48.1	12:40 PM - 12:45 PM	42.7	39.9	03:20 PM - 03:25 PM	50.6	40.2
10:05 AM - 10:10 AM	51.4	44.9	12:45 PM - 12:50 PM	43.8	40.7	03:25 PM - 03:30 PM	44.7	38.6
10:10 AM - 10:15 AM	48.8	43.0	12:50 PM - 12:55 PM	47.1	40.4	03:30 PM - 03:35 PM	44.9	39.6
10:15 AM - 10:20 AM	45.2	41.7	12:55 PM - 01:00 PM	49.2	41.4	03:35 PM - 03:40 PM	54.2	43.2
10:20 AM - 10:25 AM	44.7	42.0	01:00 PM - 01:05 PM	59.2	40.6	03:40 PM - 03:45 PM	46.1	42.3
10:25 AM - 10:30 AM	50.5	42.1	01:05 PM - 01:10 PM	54.4	44.7	03:45 PM - 03:50 PM	45.2	42.5
10:30 AM - 10:35 AM	45.6	43.1	01:10 PM - 01:15 PM	52.8	44.2	03:50 PM - 03:55 PM	48.1	42.1
10:35 AM - 10:40 AM	50.2	43.6	01:15 PM - 01:20 PM	48.2	42.4	03:55 PM - 04:00 PM	48.3	41.2
10:40 AM - 10:45 AM	50.5	47.6	01:20 PM - 01:25 PM	52.7	43.7	04:00 PM - 04:05 PM	45.5	41.9
10:45 AM - 10:50 AM	50.6	47.2	01:25 PM - 01:30 PM	57.3	43.6	04:05 PM - 04:10 PM	44.5	40.9
10:50 AM - 10:55 AM	48.8	44.2	01:30 PM - 01:35 PM	55.3	46.0	04:10 PM - 04:15 PM	47.8	41.1
10:55 AM - 11:00 AM	52.7	45.5	01:35 PM - 01:40 PM	50.2	41.4	04:15 PM - 04:20 PM	49.9	42.2
11:00 AM - 11:05 AM	51.8	47.0	01:40 PM - 01:45 PM	49.6	40.5	04:20 PM - 04:25 PM	47.3	40.4
11:05 AM - 11:10 AM	51.9	44.4	01:45 PM - 01:50 PM	49.6	43.3	04:25 PM - 04:30 PM	45.8	40.6
11:10 AM - 11:15 AM	47.3	43.8	01:50 PM - 01:55 PM	45.7	42.5	04:30 PM - 04:35 PM	45.7	40.7
11:15 AM - 11:20 AM	52.5	45.3	01:55 PM - 02:00 PM	49.1	41.3	04:35 PM - 04:40 PM	44.1	40.6
11:20 AM - 11:25 AM	48.4	43.1	02:00 PM - 02:05 PM	45.3	38.8	04:40 PM - 04:45 PM	43.9	41.2
11:25 AM - 11:30 AM	46.6	43.2	02:05 PM - 02:10 PM	45.2	38.8	04:45 PM - 04:50 PM	42.1	39.1
11:30 AM - 11:35 AM	55.6	44.5	02:10 PM - 02:15 PM	48.0	42.9	04:50 PM - 04:55 PM	40.9	39.1
11:35 AM - 11:40 AM	51.3	44.3	02:15 PM - 02:20 PM	43.8	41.6	04:55 PM - 05:00 PM	51.3	40.8
11:40 AM - 11:45 AM	50.7	42.5	02:20 PM - 02:25 PM	44.7	41.9	05:00 PM - 05:05 PM	49.0	42.4
11:45 AM - 11:50 AM	48.3	44.3	02:25 PM - 02:30 PM	47.1	42.7	05:05 PM - 05:10 PM	47.9	42.8
11:50 AM - 11:55 AM	49.7	42.7	02:30 PM - 02:35 PM	48.7	43.7	05:10 PM - 05:15 PM	49.9	42.3
11:55 AM - 12:00 PM	42.0	39.2	02:35 PM - 02:40 PM	44.6	40.9	05:15 PM - 05:20 PM	51.1	42.8
12:00 PM - 12:05 PM	43.3	38.3	02:40 PM - 02:45 PM	48.0	42.4	05:20 PM - 05:25 PM	49.3	44.2
12:05 PM - 12:10 PM	46.3	43.1	02:45 PM - 02:50 PM	44.6	40.3	05:25 PM - 05:30 PM	49.8	43.2
12:10 PM - 12:15 PM	46.1	42.8	02:50 PM - 02:55 PM	46.2	41.6	05:30 PM - 05:35 PM	52.5	45.9
12:15 PM - 12:20 PM	45.1	42.1	02:55 PM - 03:00 PM	46.0	42.0	05:35 PM - 05:40 PM	51.7	44.2
12:20 PM - 12:25 PM	43.3	40.7	03:00 PM - 03:05 PM	46.9	43.4	05:40 PM - 05:45 PM	50.0	43.7
12:25 PM - 12:30 PM	44.1	42.0	03:05 PM - 03:10 PM	45.6	40.6	05:45 PM - 05:50 PM	51.1	44.3
12:30 PM - 12:35 PM	43.2	40.3	03:10 PM - 03:15 PM	42.6	38.2	05:50 PM - 05:55 PM	46.1	43.2
12:35 PM - 12:40 PM	45.5	42.0	03:15 PM - 03:20 PM	46.4	39.3	05:55 PM - 06:00 PM	46.8	43.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419204-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-7  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 25 - Sep 26, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 25, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 25, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 25 - Sep 26, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	46.9	44.6	08:40 PM - 08:45 PM	49.8	47.6	11:20 PM - 11:25 PM	58.6	57.4
06:05 PM - 06:10 PM	47.1	44.5	08:45 PM - 08:50 PM	51.6	51.1	11:25 PM - 11:30 PM	58.7	57.7
06:10 PM - 06:15 PM	47.2	44.3	08:50 PM - 08:55 PM	51.5	50.5	11:30 PM - 11:35 PM	58.2	57.5
06:15 PM - 06:20 PM	46.7	42.8	08:55 PM - 09:00 PM	48.5	47.7	11:35 PM - 11:40 PM	58.5	57.5
06:20 PM - 06:25 PM	45.6	42.6	09:00 PM - 09:05 PM	48.7	47.8	11:40 PM - 11:45 PM	58.5	57.5
06:25 PM - 06:30 PM	45.2	42.7	09:05 PM - 09:10 PM	54.1	48.6	11:45 PM - 11:50 PM	57.8	57.2
06:30 PM - 06:35 PM	49.3	47.0	09:10 PM - 09:15 PM	56.4	56.0	11:50 PM - 11:55 PM	57.8	57.3
06:35 PM - 06:40 PM	50.0	48.5	09:15 PM - 09:20 PM	56.5	56.0	11:55 PM - 12:00 AM	57.8	57.2
06:40 PM - 06:45 PM	48.7	48.0	09:20 PM - 09:25 PM	57.2	56.6	12:00 AM - 12:05 AM	57.5	57.0
06:45 PM - 06:50 PM	47.9	47.2	09:25 PM - 09:30 PM	57.4	56.6	12:05 AM - 12:10 AM	57.5	57.0
06:50 PM - 06:55 PM	48.5	47.9	09:30 PM - 09:35 PM	57.3	56.9	12:10 AM - 12:15 AM	57.6	57.1
06:55 PM - 07:00 PM	49.8	48.1	09:35 PM - 09:40 PM	57.4	57.0	12:15 AM - 12:20 AM	57.6	57.0
07:00 PM - 07:05 PM	48.3	47.8	09:40 PM - 09:45 PM	57.6	57.2	12:20 AM - 12:25 AM	57.6	57.1
07:05 PM - 07:10 PM	48.0	47.5	09:45 PM - 09:50 PM	57.7	57.3	12:25 AM - 12:30 AM	57.6	57.1
07:10 PM - 07:15 PM	47.7	47.1	09:50 PM - 09:55 PM	57.8	57.3	12:30 AM - 12:35 AM	58.2	57.2
07:15 PM - 07:20 PM	48.2	47.5	09:55 PM - 10:00 PM	57.8	57.3	12:35 AM - 12:40 AM	57.4	56.7
07:20 PM - 07:25 PM	48.5	48.0	10:00 PM - 10:05 PM	57.7	57.2	12:40 AM - 12:45 AM	58.0	56.9
07:25 PM - 07:30 PM	48.7	47.9	10:05 PM - 10:10 PM	57.5	57.1	12:45 AM - 12:50 AM	56.4	52.4
07:30 PM - 07:35 PM	48.5	47.9	10:10 PM - 10:15 PM	57.7	57.2	12:50 AM - 12:55 AM	58.1	57.1
07:35 PM - 07:40 PM	47.9	47.3	10:15 PM - 10:20 PM	58.0	57.3	12:55 AM - 01:00 AM	58.8	57.3
07:40 PM - 07:45 PM	47.4	46.8	10:20 PM - 10:25 PM	58.3	56.9	01:00 AM - 01:05 AM	58.5	57.3
07:45 PM - 07:50 PM	47.8	47.2	10:25 PM - 10:30 PM	58.5	57.7	01:05 AM - 01:10 AM	57.9	57.2
07:50 PM - 07:55 PM	47.7	46.9	10:30 PM - 10:35 PM	57.6	57.0	01:10 AM - 01:15 AM	58.5	57.3
07:55 PM - 08:00 PM	48.1	47.1	10:35 PM - 10:40 PM	58.4	57.5	01:15 AM - 01:20 AM	57.2	56.6
08:00 PM - 08:05 PM	48.8	47.8	10:40 PM - 10:45 PM	58.0	57.3	01:20 AM - 01:25 AM	56.8	56.2
08:05 PM - 08:10 PM	49.2	48.1	10:45 PM - 10:50 PM	58.4	57.4	01:25 AM - 01:30 AM	56.7	56.2
08:10 PM - 08:15 PM	48.6	47.8	10:50 PM - 10:55 PM	58.4	57.4	01:30 AM - 01:35 AM	56.6	56.1
08:15 PM - 08:20 PM	49.1	47.8	10:55 PM - 11:00 PM	57.8	57.2	01:35 AM - 01:40 AM	56.6	56.1
08:20 PM - 08:25 PM	48.2	47.6	11:00 PM - 11:05 PM	57.9	57.5	01:40 AM - 01:45 AM	56.5	56.0
08:25 PM - 08:30 PM	47.4	46.7	11:05 PM - 11:10 PM	58.4	57.5	01:45 AM - 01:50 AM	56.3	55.9
08:30 PM - 08:35 PM	48.2	47.6	11:10 PM - 11:15 PM	59.0	57.6	01:50 AM - 01:55 AM	56.2	55.7
08:35 PM - 08:40 PM	47.9	47.3	11:15 PM - 11:20 PM	58.1	57.5	01:55 AM - 02:00 AM	56.3	55.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419204-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-7  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : บริเวณริมรั้วด้านทิศใต้ของโครงการ โซน A (N1)  
**Measurement Date** : Sep 25 - Sep 26, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709778

Sep 26, 2025	Leq	L90	Sep 26, 2025	Leq	L90	Sep 26, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	56.5	56.0	04:40 AM - 04:45 AM	48.4	46.8	07:20 AM - 07:25 AM	40.9	38.8
02:05 AM - 02:10 AM	56.3	55.8	04:45 AM - 04:50 AM	48.5	46.6	07:25 AM - 07:30 AM	41.2	39.1
02:10 AM - 02:15 AM	56.3	55.9	04:50 AM - 04:55 AM	47.6	45.3	07:30 AM - 07:35 AM	43.1	39.1
02:15 AM - 02:20 AM	56.3	55.8	04:55 AM - 05:00 AM	45.3	44.0	07:35 AM - 07:40 AM	43.3	39.9
02:20 AM - 02:25 AM	55.4	50.8	05:00 AM - 05:05 AM	45.3	44.0	07:40 AM - 07:45 AM	43.6	40.0
02:25 AM - 02:30 AM	51.0	50.4	05:05 AM - 05:10 AM	44.8	43.7	07:45 AM - 07:50 AM	46.0	40.0
02:30 AM - 02:35 AM	56.7	56.3	05:10 AM - 05:15 AM	44.3	43.2	07:50 AM - 07:55 AM	42.1	38.4
02:35 AM - 02:40 AM	56.4	55.6	05:15 AM - 05:20 AM	44.1	42.5	07:55 AM - 08:00 AM	40.1	38.0
02:40 AM - 02:45 AM	55.7	55.3	05:20 AM - 05:25 AM	43.0	41.4	08:00 AM - 08:05 AM	51.8	39.0
02:45 AM - 02:50 AM	56.0	55.4	05:25 AM - 05:30 AM	43.3	41.5	08:05 AM - 08:10 AM	48.7	39.9
02:50 AM - 02:55 AM	56.5	56.1	05:30 AM - 05:35 AM	42.7	40.3	08:10 AM - 08:15 AM	48.0	40.9
02:55 AM - 03:00 AM	56.6	56.1	05:35 AM - 05:40 AM	42.4	39.8	08:15 AM - 08:20 AM	47.8	38.7
03:00 AM - 03:05 AM	56.7	56.3	05:40 AM - 05:45 AM	40.8	39.0	08:20 AM - 08:25 AM	43.8	38.9
03:05 AM - 03:10 AM	52.1	49.9	05:45 AM - 05:50 AM	41.4	39.8	08:25 AM - 08:30 AM	45.7	39.8
03:10 AM - 03:15 AM	50.4	49.9	05:50 AM - 05:55 AM	42.3	40.0	08:30 AM - 08:35 AM	44.6	41.0
03:15 AM - 03:20 AM	50.5	50.0	05:55 AM - 06:00 AM	43.7	39.5	08:35 AM - 08:40 AM	42.9	40.6
03:20 AM - 03:25 AM	50.4	49.8	06:00 AM - 06:05 AM	43.0	39.2	08:40 AM - 08:45 AM	44.1	39.9
03:25 AM - 03:30 AM	50.2	49.8	06:05 AM - 06:10 AM	42.7	39.1	08:45 AM - 08:50 AM	43.0	39.0
03:30 AM - 03:35 AM	50.2	49.7	06:10 AM - 06:15 AM	41.2	38.5	08:50 AM - 08:55 AM	41.6	37.9
03:35 AM - 03:40 AM	50.2	49.7	06:15 AM - 06:20 AM	41.8	38.6	08:55 AM - 09:00 AM	43.9	39.0
03:40 AM - 03:45 AM	49.9	49.4	06:20 AM - 06:25 AM	42.9	38.5	09:00 AM - 09:05 AM	52.6	42.2
03:45 AM - 03:50 AM	49.9	49.4	06:25 AM - 06:30 AM	42.4	38.6	09:05 AM - 09:10 AM	55.0	49.8
03:50 AM - 03:55 AM	45.2	43.7	06:30 AM - 06:35 AM	42.4	38.6	09:10 AM - 09:15 AM	53.1	49.7
03:55 AM - 04:00 AM	45.6	44.4	06:35 AM - 06:40 AM	41.4	39.2	09:15 AM - 09:20 AM	53.5	48.8
04:00 AM - 04:05 AM	46.0	44.5	06:40 AM - 06:45 AM	42.1	39.6	09:20 AM - 09:25 AM	58.4	47.8
04:05 AM - 04:10 AM	46.2	44.8	06:45 AM - 06:50 AM	40.5	39.0	09:25 AM - 09:30 AM	56.7	48.6
04:10 AM - 04:15 AM	47.2	45.5	06:50 AM - 06:55 AM	40.9	39.2	09:30 AM - 09:35 AM	55.5	47.0
04:15 AM - 04:20 AM	47.3	45.8	06:55 AM - 07:00 AM	48.1	39.9	09:35 AM - 09:40 AM	53.4	45.2
04:20 AM - 04:25 AM	47.7	46.0	07:00 AM - 07:05 AM	40.3	39.0	09:40 AM - 09:45 AM	56.6	49.0
04:25 AM - 04:30 AM	47.2	45.8	07:05 AM - 07:10 AM	40.6	38.9	09:45 AM - 09:50 AM	50.3	43.9
04:30 AM - 04:35 AM	47.7	45.9	07:10 AM - 07:15 AM	41.0	39.1	09:50 AM - 09:55 AM	52.4	43.2
04:35 AM - 04:40 AM	48.0	46.2	07:15 AM - 07:20 AM	41.2	38.9	09:55 AM - 10:00 AM	61.5	54.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419205-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-8  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแขวง (N2)  
**Measurement Date** : Sep 19 - Sep 20, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 19, 2025	Leq	L90	Sep 19, 2025	Leq	L90	Sep 19, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 PM - 01:05 PM	53.8	41.3	03:40 PM - 03:45 PM	57.9	46.9	06:20 PM - 06:25 PM	53.4	47.2
01:05 PM - 01:10 PM	52.0	41.3	03:45 PM - 03:50 PM	69.2	58.8	06:25 PM - 06:30 PM	52.5	47.3
01:10 PM - 01:15 PM	49.8	38.2	03:50 PM - 03:55 PM	69.5	66.6	06:30 PM - 06:35 PM	54.4	47.7
01:15 PM - 01:20 PM	61.9	38.0	03:55 PM - 04:00 PM	66.5	65.5	06:35 PM - 06:40 PM	53.6	51.1
01:20 PM - 01:25 PM	54.1	39.0	04:00 PM - 04:05 PM	67.6	65.3	06:40 PM - 06:45 PM	52.2	51.0
01:25 PM - 01:30 PM	49.6	39.6	04:05 PM - 04:10 PM	67.5	64.0	06:45 PM - 06:50 PM	59.2	51.2
01:30 PM - 01:35 PM	49.5	38.6	04:10 PM - 04:15 PM	65.3	62.2	06:50 PM - 06:55 PM	56.2	51.3
01:35 PM - 01:40 PM	49.7	40.0	04:15 PM - 04:20 PM	65.1	62.2	06:55 PM - 07:00 PM	59.2	51.5
01:40 PM - 01:45 PM	51.2	42.0	04:20 PM - 04:25 PM	63.9	57.8	07:00 PM - 07:05 PM	52.4	51.3
01:45 PM - 01:50 PM	51.9	43.6	04:25 PM - 04:30 PM	62.4	58.6	07:05 PM - 07:10 PM	54.4	51.7
01:50 PM - 01:55 PM	53.0	42.5	04:30 PM - 04:35 PM	59.5	57.7	07:10 PM - 07:15 PM	58.6	51.6
01:55 PM - 02:00 PM	48.1	40.2	04:35 PM - 04:40 PM	57.1	51.3	07:15 PM - 07:20 PM	54.9	51.3
02:00 PM - 02:05 PM	60.3	40.3	04:40 PM - 04:45 PM	57.9	49.6	07:20 PM - 07:25 PM	54.4	51.2
02:05 PM - 02:10 PM	54.4	40.9	04:45 PM - 04:50 PM	62.2	48.5	07:25 PM - 07:30 PM	52.4	51.2
02:10 PM - 02:15 PM	47.2	40.7	04:50 PM - 04:55 PM	60.7	47.2	07:30 PM - 07:35 PM	53.6	51.6
02:15 PM - 02:20 PM	45.5	39.8	04:55 PM - 05:00 PM	55.8	45.7	07:35 PM - 07:40 PM	54.6	50.7
02:20 PM - 02:25 PM	48.8	39.9	05:00 PM - 05:05 PM	54.3	45.6	07:40 PM - 07:45 PM	51.6	50.4
02:25 PM - 02:30 PM	54.6	42.0	05:05 PM - 05:10 PM	58.6	45.1	07:45 PM - 07:50 PM	59.1	50.6
02:30 PM - 02:35 PM	52.8	40.3	05:10 PM - 05:15 PM	60.6	46.1	07:50 PM - 07:55 PM	59.2	51.0
02:35 PM - 02:40 PM	51.4	39.7	05:15 PM - 05:20 PM	57.8	46.0	07:55 PM - 08:00 PM	51.7	50.4
02:40 PM - 02:45 PM	49.7	43.1	05:20 PM - 05:25 PM	61.3	45.6	08:00 PM - 08:05 PM	56.5	50.8
02:45 PM - 02:50 PM	49.3	41.7	05:25 PM - 05:30 PM	58.8	45.3	08:05 PM - 08:10 PM	56.7	50.8
02:50 PM - 02:55 PM	46.5	38.4	05:30 PM - 05:35 PM	58.0	45.6	08:10 PM - 08:15 PM	55.8	50.8
02:55 PM - 03:00 PM	46.0	38.9	05:35 PM - 05:40 PM	59.1	44.9	08:15 PM - 08:20 PM	54.6	48.5
03:00 PM - 03:05 PM	53.5	39.0	05:40 PM - 05:45 PM	61.5	45.2	08:20 PM - 08:25 PM	53.4	47.7
03:05 PM - 03:10 PM	54.4	41.8	05:45 PM - 05:50 PM	61.3	45.1	08:25 PM - 08:30 PM	51.2	47.5
03:10 PM - 03:15 PM	55.4	41.8	05:50 PM - 05:55 PM	52.4	44.2	08:30 PM - 08:35 PM	50.9	49.2
03:15 PM - 03:20 PM	52.0	42.2	05:55 PM - 06:00 PM	59.2	45.0	08:35 PM - 08:40 PM	55.6	50.1
03:20 PM - 03:25 PM	52.5	40.5	06:00 PM - 06:05 PM	62.6	45.4	08:40 PM - 08:45 PM	49.9	48.5
03:25 PM - 03:30 PM	49.5	39.4	06:05 PM - 06:10 PM	57.8	46.2	08:45 PM - 08:50 PM	54.3	48.8
03:30 PM - 03:35 PM	54.7	41.2	06:10 PM - 06:15 PM	53.5	46.9	08:50 PM - 08:55 PM	53.3	49.4
03:35 PM - 03:40 PM	53.5	41.0	06:15 PM - 06:20 PM	52.0	46.9	08:55 PM - 09:00 PM	55.8	50.2

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419205-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-8  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 19 - Sep 20, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 19, 2025	Leq	L90	Sep 19 - Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 PM - 09:05 PM	53.0	50.5	11:40 PM - 11:45 PM	48.1	47.5	02:20 AM - 02:25 AM	54.4	53.6
09:05 PM - 09:10 PM	53.4	50.1	11:45 PM - 11:50 PM	48.0	47.4	02:25 AM - 02:30 AM	54.8	54.2
09:10 PM - 09:15 PM	52.3	50.1	11:50 PM - 11:55 PM	49.7	47.8	02:30 AM - 02:35 AM	54.8	54.2
09:15 PM - 09:20 PM	54.5	49.9	11:55 PM - 12:00 AM	48.3	47.7	02:35 AM - 02:40 AM	55.2	54.6
09:20 PM - 09:25 PM	49.1	48.2	12:00 AM - 12:05 AM	48.0	47.5	02:40 AM - 02:45 AM	56.2	55.0
09:25 PM - 09:30 PM	50.1	49.5	12:05 AM - 12:10 AM	53.2	47.2	02:45 AM - 02:50 AM	55.7	55.1
09:30 PM - 09:35 PM	50.5	49.9	12:10 AM - 12:15 AM	68.4	62.0	02:50 AM - 02:55 AM	55.5	54.8
09:35 PM - 09:40 PM	50.4	49.8	12:15 AM - 12:20 AM	59.9	58.8	02:55 AM - 03:00 AM	55.7	55.1
09:40 PM - 09:45 PM	50.4	49.6	12:20 AM - 12:25 AM	53.2	48.5	03:00 AM - 03:05 AM	55.7	55.1
09:45 PM - 09:50 PM	52.1	49.6	12:25 AM - 12:30 AM	53.8	48.6	03:05 AM - 03:10 AM	55.7	55.2
09:50 PM - 09:55 PM	50.2	49.3	12:30 AM - 12:35 AM	59.1	56.9	03:10 AM - 03:15 AM	55.5	54.8
09:55 PM - 10:00 PM	55.7	49.6	12:35 AM - 12:40 AM	58.1	57.6	03:15 AM - 03:20 AM	55.5	54.8
10:00 PM - 10:05 PM	59.4	49.7	12:40 AM - 12:45 AM	57.2	56.8	03:20 AM - 03:25 AM	55.5	54.9
10:05 PM - 10:10 PM	54.7	49.7	12:45 AM - 12:50 AM	58.2	57.8	03:25 AM - 03:30 AM	55.7	55.1
10:10 PM - 10:15 PM	51.4	49.8	12:50 AM - 12:55 AM	56.2	55.2	03:30 AM - 03:35 AM	55.6	55.0
10:15 PM - 10:20 PM	50.4	49.3	12:55 AM - 01:00 AM	55.7	55.2	03:35 AM - 03:40 AM	56.0	54.9
10:20 PM - 10:25 PM	50.3	49.3	01:00 AM - 01:05 AM	56.8	55.2	03:40 AM - 03:45 AM	55.5	55.0
10:25 PM - 10:30 PM	51.1	49.9	01:05 AM - 01:10 AM	57.7	56.7	03:45 AM - 03:50 AM	55.3	54.7
10:30 PM - 10:35 PM	50.6	49.7	01:10 AM - 01:15 AM	56.7	55.3	03:50 AM - 03:55 AM	55.3	54.8
10:35 PM - 10:40 PM	50.6	50.0	01:15 AM - 01:20 AM	56.8	55.9	03:55 AM - 04:00 AM	54.9	53.8
10:40 PM - 10:45 PM	50.8	50.0	01:20 AM - 01:25 AM	54.2	52.4	04:00 AM - 04:05 AM	56.3	54.7
10:45 PM - 10:50 PM	51.0	49.8	01:25 AM - 01:30 AM	51.1	49.4	04:05 AM - 04:10 AM	59.0	54.7
10:50 PM - 10:55 PM	50.5	49.7	01:30 AM - 01:35 AM	49.4	47.8	04:10 AM - 04:15 AM	54.9	54.1
10:55 PM - 11:00 PM	53.2	50.2	01:35 AM - 01:40 AM	53.5	52.5	04:15 AM - 04:20 AM	55.2	54.6
11:00 PM - 11:05 PM	50.2	49.6	01:40 AM - 01:45 AM	52.5	51.5	04:20 AM - 04:25 AM	54.7	54.2
11:05 PM - 11:10 PM	51.3	49.8	01:45 AM - 01:50 AM	50.6	49.7	04:25 AM - 04:30 AM	56.0	55.3
11:10 PM - 11:15 PM	50.3	49.0	01:50 AM - 01:55 AM	50.7	50.1	04:30 AM - 04:35 AM	56.6	55.4
11:15 PM - 11:20 PM	49.5	48.8	01:55 AM - 02:00 AM	49.4	48.5	04:35 AM - 04:40 AM	55.4	54.8
11:20 PM - 11:25 PM	48.9	48.2	02:00 AM - 02:05 AM	51.6	47.2	04:40 AM - 04:45 AM	55.2	54.4
11:25 PM - 11:30 PM	48.6	48.1	02:05 AM - 02:10 AM	47.2	46.2	04:45 AM - 04:50 AM	55.2	54.2
11:30 PM - 11:35 PM	48.3	47.8	02:10 AM - 02:15 AM	48.7	45.8	04:50 AM - 04:55 AM	55.1	53.8
11:35 PM - 11:40 PM	48.4	47.9	02:15 AM - 02:20 AM	48.8	45.5	04:55 AM - 05:00 AM	57.7	45.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419205-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-8  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 19 - Sep 20, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 AM - 05:05 AM	49.5	45.2	07:40 AM - 07:45 AM	52.3	43.5	10:20 AM - 10:25 AM	54.4	43.1
05:05 AM - 05:10 AM	51.9	44.9	07:45 AM - 07:50 AM	55.3	45.5	10:25 AM - 10:30 AM	55.5	41.7
05:10 AM - 05:15 AM	51.5	45.0	07:50 AM - 07:55 AM	55.9	42.2	10:30 AM - 10:35 AM	52.4	44.1
05:15 AM - 05:20 AM	50.3	44.2	07:55 AM - 08:00 AM	54.5	43.8	10:35 AM - 10:40 AM	52.3	41.0
05:20 AM - 05:25 AM	52.0	44.0	08:00 AM - 08:05 AM	56.9	43.0	10:40 AM - 10:45 AM	53.5	42.6
05:25 AM - 05:30 AM	46.4	43.7	08:05 AM - 08:10 AM	54.1	41.6	10:45 AM - 10:50 AM	53.8	43.1
05:30 AM - 05:35 AM	47.9	43.7	08:10 AM - 08:15 AM	54.8	43.3	10:50 AM - 10:55 AM	53.9	42.2
05:35 AM - 05:40 AM	49.0	43.5	08:15 AM - 08:20 AM	56.5	44.2	10:55 AM - 11:00 AM	53.3	42.5
05:40 AM - 05:45 AM	43.9	41.4	08:20 AM - 08:25 AM	53.3	41.8	11:00 AM - 11:05 AM	50.6	41.1
05:45 AM - 05:50 AM	55.8	42.5	08:25 AM - 08:30 AM	51.9	42.3	11:05 AM - 11:10 AM	54.6	41.8
05:50 AM - 05:55 AM	63.6	42.3	08:30 AM - 08:35 AM	54.9	42.5	11:10 AM - 11:15 AM	56.4	40.5
05:55 AM - 06:00 AM	67.1	43.0	08:35 AM - 08:40 AM	51.4	42.2	11:15 AM - 11:20 AM	59.5	41.7
06:00 AM - 06:05 AM	49.2	41.3	08:40 AM - 08:45 AM	53.0	43.5	11:20 AM - 11:25 AM	51.8	41.6
06:05 AM - 06:10 AM	56.2	41.4	08:45 AM - 08:50 AM	54.5	44.0	11:25 AM - 11:30 AM	53.6	41.6
06:10 AM - 06:15 AM	51.8	41.3	08:50 AM - 08:55 AM	54.7	45.2	11:30 AM - 11:35 AM	51.7	40.9
06:15 AM - 06:20 AM	56.7	42.2	08:55 AM - 09:00 AM	55.6	43.7	11:35 AM - 11:40 AM	51.6	39.9
06:20 AM - 06:25 AM	53.6	41.9	09:00 AM - 09:05 AM	55.0	43.6	11:40 AM - 11:45 AM	51.9	41.8
06:25 AM - 06:30 AM	56.6	41.5	09:05 AM - 09:10 AM	51.4	42.6	11:45 AM - 11:50 AM	52.1	41.8
06:30 AM - 06:35 AM	55.3	40.7	09:10 AM - 09:15 AM	52.7	43.5	11:50 AM - 11:55 AM	57.4	41.8
06:35 AM - 06:40 AM	51.0	42.0	09:15 AM - 09:20 AM	51.6	43.9	11:55 AM - 12:00 PM	53.0	41.5
06:40 AM - 06:45 AM	53.5	43.2	09:20 AM - 09:25 AM	59.0	44.7	12:00 PM - 12:05 PM	56.8	44.1
06:45 AM - 06:50 AM	56.2	42.3	09:25 AM - 09:30 AM	54.6	42.9	12:05 PM - 12:10 PM	55.4	43.1
06:50 AM - 06:55 AM	58.7	47.9	09:30 AM - 09:35 AM	53.1	41.5	12:10 PM - 12:15 PM	54.5	39.8
06:55 AM - 07:00 AM	57.8	48.4	09:35 AM - 09:40 AM	52.0	40.6	12:15 PM - 12:20 PM	52.1	40.2
07:00 AM - 07:05 AM	55.1	47.4	09:40 AM - 09:45 AM	52.2	42.2	12:20 PM - 12:25 PM	52.7	39.1
07:05 AM - 07:10 AM	54.3	47.6	09:45 AM - 09:50 AM	56.2	43.4	12:25 PM - 12:30 PM	49.2	39.7
07:10 AM - 07:15 AM	59.8	53.6	09:50 AM - 09:55 AM	54.3	43.0	12:30 PM - 12:35 PM	53.0	40.3
07:15 AM - 07:20 AM	58.3	51.9	09:55 AM - 10:00 AM	51.8	41.7	12:35 PM - 12:40 PM	53.0	39.8
07:20 AM - 07:25 AM	57.0	46.3	10:00 AM - 10:05 AM	56.7	43.1	12:40 PM - 12:45 PM	50.0	40.4
07:25 AM - 07:30 AM	53.5	43.8	10:05 AM - 10:10 AM	55.0	43.3	12:45 PM - 12:50 PM	55.2	42.5
07:30 AM - 07:35 AM	52.7	44.3	10:10 AM - 10:15 AM	50.0	42.2	12:50 PM - 12:55 PM	56.5	43.4
07:35 AM - 07:40 AM	50.4	42.8	10:15 AM - 10:20 AM	53.3	40.7	12:55 PM - 01:00 PM	52.1	39.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419206-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-9  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 20 - Sep 21, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 PM - 01:05 PM	53.6	43.2	03:40 PM - 03:45 PM	49.1	39.2	06:20 PM - 06:25 PM	49.4	41.6
01:05 PM - 01:10 PM	56.7	41.1	03:45 PM - 03:50 PM	49.7	40.1	06:25 PM - 06:30 PM	48.8	41.1
01:10 PM - 01:15 PM	49.7	39.5	03:50 PM - 03:55 PM	55.8	41.3	06:30 PM - 06:35 PM	53.2	41.5
01:15 PM - 01:20 PM	52.0	40.4	03:55 PM - 04:00 PM	46.7	41.2	06:35 PM - 06:40 PM	52.7	42.4
01:20 PM - 01:25 PM	50.6	39.7	04:00 PM - 04:05 PM	48.5	40.2	06:40 PM - 06:45 PM	59.0	47.6
01:25 PM - 01:30 PM	51.1	39.2	04:05 PM - 04:10 PM	48.3	40.1	06:45 PM - 06:50 PM	56.1	48.1
01:30 PM - 01:35 PM	59.7	40.7	04:10 PM - 04:15 PM	55.6	41.5	06:50 PM - 06:55 PM	53.3	45.8
01:35 PM - 01:40 PM	50.4	40.4	04:15 PM - 04:20 PM	50.9	41.0	06:55 PM - 07:00 PM	51.6	47.6
01:40 PM - 01:45 PM	51.9	39.9	04:20 PM - 04:25 PM	53.2	41.0	07:00 PM - 07:05 PM	49.3	47.9
01:45 PM - 01:50 PM	52.8	40.1	04:25 PM - 04:30 PM	49.8	40.2	07:05 PM - 07:10 PM	54.2	48.1
01:50 PM - 01:55 PM	52.6	39.4	04:30 PM - 04:35 PM	53.7	39.4	07:10 PM - 07:15 PM	50.6	46.9
01:55 PM - 02:00 PM	55.5	42.7	04:35 PM - 04:40 PM	54.3	43.8	07:15 PM - 07:20 PM	60.2	47.1
02:00 PM - 02:05 PM	53.4	39.4	04:40 PM - 04:45 PM	55.0	41.2	07:20 PM - 07:25 PM	56.4	46.9
02:05 PM - 02:10 PM	60.6	41.6	04:45 PM - 04:50 PM	70.0	63.0	07:25 PM - 07:30 PM	54.2	45.8
02:10 PM - 02:15 PM	53.2	40.6	04:50 PM - 04:55 PM	69.5	61.6	07:30 PM - 07:35 PM	52.2	46.7
02:15 PM - 02:20 PM	58.1	40.2	04:55 PM - 05:00 PM	66.7	60.0	07:35 PM - 07:40 PM	49.7	45.7
02:20 PM - 02:25 PM	52.4	40.4	05:00 PM - 05:05 PM	64.5	41.4	07:40 PM - 07:45 PM	46.4	45.5
02:25 PM - 02:30 PM	54.0	42.0	05:05 PM - 05:10 PM	52.9	39.4	07:45 PM - 07:50 PM	52.9	45.1
02:30 PM - 02:35 PM	51.4	39.0	05:10 PM - 05:15 PM	58.7	39.4	07:50 PM - 07:55 PM	56.4	46.1
02:35 PM - 02:40 PM	53.3	41.4	05:15 PM - 05:20 PM	53.0	39.9	07:55 PM - 08:00 PM	48.7	41.6
02:40 PM - 02:45 PM	51.6	40.5	05:20 PM - 05:25 PM	59.2	47.9	08:00 PM - 08:05 PM	42.8	41.0
02:45 PM - 02:50 PM	55.1	39.9	05:25 PM - 05:30 PM	59.9	47.3	08:05 PM - 08:10 PM	53.4	41.6
02:50 PM - 02:55 PM	51.0	39.7	05:30 PM - 05:35 PM	57.1	42.2	08:10 PM - 08:15 PM	47.6	41.5
02:55 PM - 03:00 PM	52.6	39.5	05:35 PM - 05:40 PM	56.3	42.0	08:15 PM - 08:20 PM	50.6	42.9
03:00 PM - 03:05 PM	57.4	41.2	05:40 PM - 05:45 PM	63.2	43.6	08:20 PM - 08:25 PM	48.0	42.6
03:05 PM - 03:10 PM	45.7	39.3	05:45 PM - 05:50 PM	59.3	42.8	08:25 PM - 08:30 PM	49.5	42.7
03:10 PM - 03:15 PM	49.8	40.0	05:50 PM - 05:55 PM	51.8	42.3	08:30 PM - 08:35 PM	49.4	42.7
03:15 PM - 03:20 PM	51.6	39.4	05:55 PM - 06:00 PM	53.0	41.5	08:35 PM - 08:40 PM	43.4	42.7
03:20 PM - 03:25 PM	53.5	40.5	06:00 PM - 06:05 PM	52.8	41.5	08:40 PM - 08:45 PM	43.1	42.6
03:25 PM - 03:30 PM	55.0	40.5	06:05 PM - 06:10 PM	54.7	40.6	08:45 PM - 08:50 PM	50.1	42.5
03:30 PM - 03:35 PM	50.5	40.6	06:10 PM - 06:15 PM	49.1	40.6	08:50 PM - 08:55 PM	47.7	43.0
03:35 PM - 03:40 PM	51.6	40.0	06:15 PM - 06:20 PM	54.6	40.7	08:55 PM - 09:00 PM	43.7	42.9

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Sarayuth Jitranont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419206-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-9  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 20 - Sep 21, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 20, 2025	Leq	L90	Sep 20 - Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 PM - 09:05 PM	48.8	42.6	11:40 PM - 11:45 PM	45.4	42.8	02:20 AM - 02:25 AM	42.0	40.7
09:05 PM - 09:10 PM	47.4	42.8	11:45 PM - 11:50 PM	44.6	41.9	02:25 AM - 02:30 AM	40.7	40.2
09:10 PM - 09:15 PM	48.2	43.0	11:50 PM - 11:55 PM	45.2	44.2	02:30 AM - 02:35 AM	50.4	40.4
09:15 PM - 09:20 PM	43.7	43.0	11:55 PM - 12:00 AM	47.9	44.1	02:35 AM - 02:40 AM	43.6	40.5
09:20 PM - 09:25 PM	49.4	42.9	12:00 AM - 12:05 AM	44.3	41.0	02:40 AM - 02:45 AM	41.8	40.5
09:25 PM - 09:30 PM	61.8	43.1	12:05 AM - 12:10 AM	42.1	40.3	02:45 AM - 02:50 AM	58.3	40.8
09:30 PM - 09:35 PM	49.7	42.9	12:10 AM - 12:15 AM	47.5	40.1	02:50 AM - 02:55 AM	41.0	40.4
09:35 PM - 09:40 PM	47.0	42.8	12:15 AM - 12:20 AM	40.8	40.3	02:55 AM - 03:00 AM	40.5	39.7
09:40 PM - 09:45 PM	47.3	43.3	12:20 AM - 12:25 AM	41.0	40.5	03:00 AM - 03:05 AM	40.1	39.5
09:45 PM - 09:50 PM	46.0	42.8	12:25 AM - 12:30 AM	41.3	40.6	03:05 AM - 03:10 AM	39.9	39.1
09:50 PM - 09:55 PM	43.2	42.7	12:30 AM - 12:35 AM	41.9	40.7	03:10 AM - 03:15 AM	40.3	39.4
09:55 PM - 10:00 PM	43.5	42.9	12:35 AM - 12:40 AM	41.2	40.4	03:15 AM - 03:20 AM	41.0	39.8
10:00 PM - 10:05 PM	43.1	42.6	12:40 AM - 12:45 AM	42.4	41.1	03:20 AM - 03:25 AM	40.6	39.8
10:05 PM - 10:10 PM	43.6	42.7	12:45 AM - 12:50 AM	41.4	40.9	03:25 AM - 03:30 AM	40.8	39.8
10:10 PM - 10:15 PM	47.3	42.7	12:50 AM - 12:55 AM	41.4	41.0	03:30 AM - 03:35 AM	40.0	39.0
10:15 PM - 10:20 PM	44.3	42.8	12:55 AM - 01:00 AM	41.1	40.6	03:35 AM - 03:40 AM	39.9	39.1
10:20 PM - 10:25 PM	46.8	45.8	01:00 AM - 01:05 AM	41.1	40.3	03:40 AM - 03:45 AM	40.6	39.2
10:25 PM - 10:30 PM	47.2	46.1	01:05 AM - 01:10 AM	45.2	40.4	03:45 AM - 03:50 AM	40.0	38.8
10:30 PM - 10:35 PM	46.3	45.6	01:10 AM - 01:15 AM	41.5	40.5	03:50 AM - 03:55 AM	42.7	39.6
10:35 PM - 10:40 PM	46.3	45.6	01:15 AM - 01:20 AM	40.7	40.3	03:55 AM - 04:00 AM	42.6	40.3
10:40 PM - 10:45 PM	46.2	45.6	01:20 AM - 01:25 AM	41.2	40.7	04:00 AM - 04:05 AM	40.8	39.5
10:45 PM - 10:50 PM	47.1	43.3	01:25 AM - 01:30 AM	40.8	40.3	04:05 AM - 04:10 AM	41.0	39.0
10:50 PM - 10:55 PM	51.4	44.6	01:30 AM - 01:35 AM	40.7	40.1	04:10 AM - 04:15 AM	40.9	39.3
10:55 PM - 11:00 PM	45.5	44.8	01:35 AM - 01:40 AM	58.3	40.5	04:15 AM - 04:20 AM	42.6	39.7
11:00 PM - 11:05 PM	46.7	45.0	01:40 AM - 01:45 AM	40.8	40.3	04:20 AM - 04:25 AM	42.9	40.8
11:05 PM - 11:10 PM	45.7	45.1	01:45 AM - 01:50 AM	40.6	40.0	04:25 AM - 04:30 AM	42.3	40.5
11:10 PM - 11:15 PM	47.7	45.0	01:50 AM - 01:55 AM	40.6	40.2	04:30 AM - 04:35 AM	53.4	40.0
11:15 PM - 11:20 PM	52.3	45.0	01:55 AM - 02:00 AM	40.2	39.5	04:35 AM - 04:40 AM	41.0	39.8
11:20 PM - 11:25 PM	51.4	44.8	02:00 AM - 02:05 AM	40.9	40.4	04:40 AM - 04:45 AM	40.8	39.5
11:25 PM - 11:30 PM	52.0	45.2	02:05 AM - 02:10 AM	40.8	40.3	04:45 AM - 04:50 AM	40.4	39.3
11:30 PM - 11:35 PM	46.8	45.1	02:10 AM - 02:15 AM	41.0	40.4	04:50 AM - 04:55 AM	40.9	39.9
11:35 PM - 11:40 PM	45.8	44.4	02:15 AM - 02:20 AM	41.7	41.0	04:55 AM - 05:00 AM	55.5	39.5

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Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419206-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-9  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 20 - Sep 21, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 AM - 05:05 AM	41.2	39.7	07:40 AM - 07:45 AM	47.5	40.2	10:20 AM - 10:25 AM	60.3	50.1
05:05 AM - 05:10 AM	40.7	39.7	07:45 AM - 07:50 AM	57.7	42.8	10:25 AM - 10:30 AM	62.9	50.3
05:10 AM - 05:15 AM	51.8	39.7	07:50 AM - 07:55 AM	62.8	42.2	10:30 AM - 10:35 AM	59.9	49.7
05:15 AM - 05:20 AM	40.1	38.9	07:55 AM - 08:00 AM	55.8	42.5	10:35 AM - 10:40 AM	63.5	44.6
05:20 AM - 05:25 AM	43.5	39.1	08:00 AM - 08:05 AM	48.8	41.5	10:40 AM - 10:45 AM	54.8	44.9
05:25 AM - 05:30 AM	45.1	39.2	08:05 AM - 08:10 AM	57.4	42.2	10:45 AM - 10:50 AM	55.1	44.0
05:30 AM - 05:35 AM	42.9	39.0	08:10 AM - 08:15 AM	53.2	41.4	10:50 AM - 10:55 AM	64.5	44.4
05:35 AM - 05:40 AM	55.5	40.0	08:15 AM - 08:20 AM	52.9	41.6	10:55 AM - 11:00 AM	52.9	43.6
05:40 AM - 05:45 AM	55.0	40.9	08:20 AM - 08:25 AM	52.1	41.2	11:00 AM - 11:05 AM	55.2	42.0
05:45 AM - 05:50 AM	52.2	40.6	08:25 AM - 08:30 AM	50.5	39.9	11:05 AM - 11:10 AM	52.8	41.5
05:50 AM - 05:55 AM	69.8	41.8	08:30 AM - 08:35 AM	53.3	43.0	11:10 AM - 11:15 AM	51.8	41.2
05:55 AM - 06:00 AM	54.2	42.4	08:35 AM - 08:40 AM	48.5	40.5	11:15 AM - 11:20 AM	49.7	41.1
06:00 AM - 06:05 AM	57.2	42.0	08:40 AM - 08:45 AM	56.7	43.2	11:20 AM - 11:25 AM	52.0	41.3
06:05 AM - 06:10 AM	50.5	41.8	08:45 AM - 08:50 AM	56.1	43.0	11:25 AM - 11:30 AM	50.7	39.6
06:10 AM - 06:15 AM	53.5	41.9	08:50 AM - 08:55 AM	58.2	43.6	11:30 AM - 11:35 AM	51.4	41.7
06:15 AM - 06:20 AM	52.4	42.4	08:55 AM - 09:00 AM	51.6	41.5	11:35 AM - 11:40 AM	52.2	41.4
06:20 AM - 06:25 AM	54.6	45.0	09:00 AM - 09:05 AM	51.1	42.1	11:40 AM - 11:45 AM	60.6	43.2
06:25 AM - 06:30 AM	56.3	45.1	09:05 AM - 09:10 AM	52.6	43.2	11:45 AM - 11:50 AM	56.9	40.4
06:30 AM - 06:35 AM	56.8	44.0	09:10 AM - 09:15 AM	51.5	41.7	11:50 AM - 11:55 AM	51.7	41.6
06:35 AM - 06:40 AM	56.2	44.2	09:15 AM - 09:20 AM	50.3	41.9	11:55 AM - 12:00 PM	49.6	43.3
06:40 AM - 06:45 AM	54.5	42.7	09:20 AM - 09:25 AM	55.5	43.0	12:00 PM - 12:05 PM	50.7	40.8
06:45 AM - 06:50 AM	54.5	43.2	09:25 AM - 09:30 AM	53.3	44.3	12:05 PM - 12:10 PM	50.4	40.5
06:50 AM - 06:55 AM	56.5	44.2	09:30 AM - 09:35 AM	53.3	45.8	12:10 PM - 12:15 PM	59.8	42.2
06:55 AM - 07:00 AM	53.7	43.3	09:35 AM - 09:40 AM	53.2	45.6	12:15 PM - 12:20 PM	54.4	42.2
07:00 AM - 07:05 AM	54.3	41.9	09:40 AM - 09:45 AM	53.0	41.3	12:20 PM - 12:25 PM	45.9	40.1
07:05 AM - 07:10 AM	51.3	40.8	09:45 AM - 09:50 AM	48.5	40.1	12:25 PM - 12:30 PM	52.0	39.5
07:10 AM - 07:15 AM	49.2	40.3	09:50 AM - 09:55 AM	52.7	42.4	12:30 PM - 12:35 PM	50.0	40.3
07:15 AM - 07:20 AM	56.3	41.5	09:55 AM - 10:00 AM	54.5	44.3	12:35 PM - 12:40 PM	58.0	41.8
07:20 AM - 07:25 AM	57.9	40.9	10:00 AM - 10:05 AM	49.2	41.5	12:40 PM - 12:45 PM	51.9	40.4
07:25 AM - 07:30 AM	51.5	40.0	10:05 AM - 10:10 AM	46.3	42.3	12:45 PM - 12:50 PM	51.9	40.1
07:30 AM - 07:35 AM	54.6	40.4	10:10 AM - 10:15 AM	62.4	54.3	12:50 PM - 12:55 PM	55.5	42.4
07:35 AM - 07:40 AM	53.7	41.5	10:15 AM - 10:20 AM	62.6	50.2	12:55 PM - 01:00 PM	47.7	39.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419207-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-10  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแขวง (N2)  
**Measurement Date** : Sep 21 - Sep 22, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 PM - 01:05 PM	51.0	40.8	03:40 PM - 03:45 PM	46.4	42.6	06:20 PM - 06:25 PM	53.5	45.5
01:05 PM - 01:10 PM	46.0	39.8	03:45 PM - 03:50 PM	50.2	43.4	06:25 PM - 06:30 PM	54.2	45.2
01:10 PM - 01:15 PM	54.8	41.6	03:50 PM - 03:55 PM	46.0	42.3	06:30 PM - 06:35 PM	52.8	45.3
01:15 PM - 01:20 PM	48.5	39.2	03:55 PM - 04:00 PM	52.6	43.2	06:35 PM - 06:40 PM	49.4	45.5
01:20 PM - 01:25 PM	53.2	42.3	04:00 PM - 04:05 PM	48.2	41.3	06:40 PM - 06:45 PM	51.8	45.2
01:25 PM - 01:30 PM	48.9	42.9	04:05 PM - 04:10 PM	52.8	44.0	06:45 PM - 06:50 PM	50.8	45.6
01:30 PM - 01:35 PM	61.2	39.3	04:10 PM - 04:15 PM	55.8	43.6	06:50 PM - 06:55 PM	53.8	46.0
01:35 PM - 01:40 PM	46.4	40.5	04:15 PM - 04:20 PM	53.3	43.6	06:55 PM - 07:00 PM	54.2	44.5
01:40 PM - 01:45 PM	54.1	39.5	04:20 PM - 04:25 PM	53.2	43.1	07:00 PM - 07:05 PM	51.6	45.1
01:45 PM - 01:50 PM	57.1	40.1	04:25 PM - 04:30 PM	52.2	42.5	07:05 PM - 07:10 PM	50.3	43.5
01:50 PM - 01:55 PM	49.3	41.0	04:30 PM - 04:35 PM	61.5	44.0	07:10 PM - 07:15 PM	48.7	44.9
01:55 PM - 02:00 PM	47.6	40.5	04:35 PM - 04:40 PM	58.7	43.3	07:15 PM - 07:20 PM	49.1	45.3
02:00 PM - 02:05 PM	47.0	41.0	04:40 PM - 04:45 PM	52.7	42.9	07:20 PM - 07:25 PM	51.2	45.2
02:05 PM - 02:10 PM	54.4	40.9	04:45 PM - 04:50 PM	48.0	42.6	07:25 PM - 07:30 PM	50.0	45.4
02:10 PM - 02:15 PM	51.5	40.9	04:50 PM - 04:55 PM	57.4	46.2	07:30 PM - 07:35 PM	51.1	44.6
02:15 PM - 02:20 PM	56.6	42.9	04:55 PM - 05:00 PM	60.9	52.8	07:35 PM - 07:40 PM	52.0	44.3
02:20 PM - 02:25 PM	51.4	44.1	05:00 PM - 05:05 PM	58.8	52.3	07:40 PM - 07:45 PM	49.9	44.5
02:25 PM - 02:30 PM	56.7	44.0	05:05 PM - 05:10 PM	58.5	49.4	07:45 PM - 07:50 PM	48.0	44.2
02:30 PM - 02:35 PM	59.2	43.5	05:10 PM - 05:15 PM	57.7	43.0	07:50 PM - 07:55 PM	52.4	44.5
02:35 PM - 02:40 PM	46.0	42.3	05:15 PM - 05:20 PM	58.8	44.3	07:55 PM - 08:00 PM	62.6	43.8
02:40 PM - 02:45 PM	49.0	43.7	05:20 PM - 05:25 PM	52.0	42.5	08:00 PM - 08:05 PM	56.3	42.2
02:45 PM - 02:50 PM	48.9	41.9	05:25 PM - 05:30 PM	59.3	42.5	08:05 PM - 08:10 PM	52.1	44.2
02:50 PM - 02:55 PM	52.0	42.8	05:30 PM - 05:35 PM	60.8	43.8	08:10 PM - 08:15 PM	50.0	44.2
02:55 PM - 03:00 PM	54.8	44.5	05:35 PM - 05:40 PM	51.7	43.7	08:15 PM - 08:20 PM	47.8	43.0
03:00 PM - 03:05 PM	53.1	46.1	05:40 PM - 05:45 PM	54.1	45.0	08:20 PM - 08:25 PM	53.8	43.5
03:05 PM - 03:10 PM	56.4	44.3	05:45 PM - 05:50 PM	54.9	46.3	08:25 PM - 08:30 PM	52.4	43.5
03:10 PM - 03:15 PM	54.3	43.4	05:50 PM - 05:55 PM	54.8	46.3	08:30 PM - 08:35 PM	46.1	42.8
03:15 PM - 03:20 PM	49.5	43.8	05:55 PM - 06:00 PM	53.8	46.8	08:35 PM - 08:40 PM	47.9	44.4
03:20 PM - 03:25 PM	49.7	43.3	06:00 PM - 06:05 PM	50.2	45.4	08:40 PM - 08:45 PM	49.7	43.0
03:25 PM - 03:30 PM	54.9	42.9	06:05 PM - 06:10 PM	57.3	47.1	08:45 PM - 08:50 PM	45.4	42.7
03:30 PM - 03:35 PM	48.2	42.1	06:10 PM - 06:15 PM	59.9	47.3	08:50 PM - 08:55 PM	46.8	44.2
03:35 PM - 03:40 PM	48.1	43.7	06:15 PM - 06:20 PM	52.7	46.5	08:55 PM - 09:00 PM	56.7	44.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419207-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-10  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 21 - Sep 22, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 21, 2025	Leq	L90	Sep 21 - Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 PM - 09:05 PM	46.1	42.7	11:40 PM - 11:45 PM	46.1	42.8	02:20 AM - 02:25 AM	47.2	44.3
09:05 PM - 09:10 PM	46.5	44.3	11:45 PM - 11:50 PM	45.4	42.2	02:25 AM - 02:30 AM	45.7	40.5
09:10 PM - 09:15 PM	48.3	41.5	11:50 PM - 11:55 PM	50.8	42.6	02:30 AM - 02:35 AM	49.9	43.6
09:15 PM - 09:20 PM	49.5	43.1	11:55 PM - 12:00 AM	57.1	43.4	02:35 AM - 02:40 AM	45.0	42.4
09:20 PM - 09:25 PM	45.0	42.2	12:00 AM - 12:05 AM	51.3	42.2	02:40 AM - 02:45 AM	45.8	41.2
09:25 PM - 09:30 PM	51.0	41.7	12:05 AM - 12:10 AM	45.6	42.3	02:45 AM - 02:50 AM	45.6	42.9
09:30 PM - 09:35 PM	46.7	42.0	12:10 AM - 12:15 AM	46.2	42.8	02:50 AM - 02:55 AM	45.5	40.8
09:35 PM - 09:40 PM	45.6	42.9	12:15 AM - 12:20 AM	56.1	41.5	02:55 AM - 03:00 AM	44.4	40.9
09:40 PM - 09:45 PM	49.0	42.8	12:20 AM - 12:25 AM	46.3	43.1	03:00 AM - 03:05 AM	46.6	44.4
09:45 PM - 09:50 PM	45.3	40.7	12:25 AM - 12:30 AM	46.4	42.7	03:05 AM - 03:10 AM	46.2	43.9
09:50 PM - 09:55 PM	48.7	42.4	12:30 AM - 12:35 AM	46.8	43.0	03:10 AM - 03:15 AM	46.3	43.0
09:55 PM - 10:00 PM	46.2	41.6	12:35 AM - 12:40 AM	46.4	42.4	03:15 AM - 03:20 AM	45.4	42.2
10:00 PM - 10:05 PM	43.7	41.5	12:40 AM - 12:45 AM	46.2	42.6	03:20 AM - 03:25 AM	45.2	41.7
10:05 PM - 10:10 PM	45.3	42.7	12:45 AM - 12:50 AM	46.0	42.3	03:25 AM - 03:30 AM	44.8	41.0
10:10 PM - 10:15 PM	45.5	41.8	12:50 AM - 12:55 AM	46.2	42.5	03:30 AM - 03:35 AM	54.5	41.7
10:15 PM - 10:20 PM	47.3	42.0	12:55 AM - 01:00 AM	46.4	42.6	03:35 AM - 03:40 AM	45.0	41.5
10:20 PM - 10:25 PM	48.6	42.9	01:00 AM - 01:05 AM	45.7	41.4	03:40 AM - 03:45 AM	46.1	43.2
10:25 PM - 10:30 PM	46.0	41.9	01:05 AM - 01:10 AM	48.8	43.0	03:45 AM - 03:50 AM	45.4	41.6
10:30 PM - 10:35 PM	46.7	43.9	01:10 AM - 01:15 AM	46.1	41.6	03:50 AM - 03:55 AM	46.3	42.6
10:35 PM - 10:40 PM	45.7	42.2	01:15 AM - 01:20 AM	45.5	41.7	03:55 AM - 04:00 AM	50.1	40.8
10:40 PM - 10:45 PM	46.1	41.9	01:20 AM - 01:25 AM	46.3	43.0	04:00 AM - 04:05 AM	44.3	40.9
10:45 PM - 10:50 PM	45.6	43.0	01:25 AM - 01:30 AM	48.0	40.9	04:05 AM - 04:10 AM	45.8	40.4
10:50 PM - 10:55 PM	45.5	41.4	01:30 AM - 01:35 AM	45.7	42.5	04:10 AM - 04:15 AM	46.8	40.3
10:55 PM - 11:00 PM	48.3	41.6	01:35 AM - 01:40 AM	45.5	40.6	04:15 AM - 04:20 AM	46.1	42.3
11:00 PM - 11:05 PM	45.2	42.4	01:40 AM - 01:45 AM	44.7	41.2	04:20 AM - 04:25 AM	47.8	39.3
11:05 PM - 11:10 PM	45.0	42.3	01:45 AM - 01:50 AM	52.1	44.3	04:25 AM - 04:30 AM	47.1	42.7
11:10 PM - 11:15 PM	45.4	41.6	01:50 AM - 01:55 AM	47.1	40.3	04:30 AM - 04:35 AM	45.6	41.9
11:15 PM - 11:20 PM	45.7	43.0	01:55 AM - 02:00 AM	49.6	43.8	04:35 AM - 04:40 AM	56.3	42.0
11:20 PM - 11:25 PM	44.1	41.8	02:00 AM - 02:05 AM	45.1	40.8	04:40 AM - 04:45 AM	45.9	40.0
11:25 PM - 11:30 PM	45.6	43.2	02:05 AM - 02:10 AM	45.2	40.9	04:45 AM - 04:50 AM	51.0	42.5
11:30 PM - 11:35 PM	45.3	41.8	02:10 AM - 02:15 AM	45.9	42.7	04:50 AM - 04:55 AM	56.7	42.3
11:35 PM - 11:40 PM	47.4	42.6	02:15 AM - 02:20 AM	45.3	41.7	04:55 AM - 05:00 AM	79.4	50.4

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Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419207-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 3 of 3

**Sample Number** : 2573111-10  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 21 - Sep 22, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 AM - 05:05 AM	76.6	46.7	07:40 AM - 07:45 AM	57.8	47.9	10:20 AM - 10:25 AM	52.9	46.2
05:05 AM - 05:10 AM	77.6	49.1	07:45 AM - 07:50 AM	58.5	48.7	10:25 AM - 10:30 AM	53.3	46.5
05:10 AM - 05:15 AM	75.8	49.4	07:50 AM - 07:55 AM	56.4	44.7	10:30 AM - 10:35 AM	56.4	47.4
05:15 AM - 05:20 AM	75.0	44.2	07:55 AM - 08:00 AM	56.1	44.6	10:35 AM - 10:40 AM	52.9	47.0
05:20 AM - 05:25 AM	48.3	39.9	08:00 AM - 08:05 AM	55.9	45.9	10:40 AM - 10:45 AM	55.6	47.5
05:25 AM - 05:30 AM	44.0	39.3	08:05 AM - 08:10 AM	54.7	45.5	10:45 AM - 10:50 AM	54.6	47.8
05:30 AM - 05:35 AM	50.3	40.2	08:10 AM - 08:15 AM	53.9	44.0	10:50 AM - 10:55 AM	63.5	47.5
05:35 AM - 05:40 AM	51.1	43.3	08:15 AM - 08:20 AM	55.0	47.2	10:55 AM - 11:00 AM	54.0	45.9
05:40 AM - 05:45 AM	48.0	42.7	08:20 AM - 08:25 AM	54.5	47.6	11:00 AM - 11:05 AM	55.4	47.7
05:45 AM - 05:50 AM	50.6	44.4	08:25 AM - 08:30 AM	62.6	47.4	11:05 AM - 11:10 AM	53.8	45.7
05:50 AM - 05:55 AM	55.4	46.7	08:30 AM - 08:35 AM	52.6	45.6	11:10 AM - 11:15 AM	54.9	45.2
05:55 AM - 06:00 AM	56.2	45.5	08:35 AM - 08:40 AM	54.1	45.4	11:15 AM - 11:20 AM	54.8	45.2
06:00 AM - 06:05 AM	58.9	46.7	08:40 AM - 08:45 AM	53.0	44.1	11:20 AM - 11:25 AM	54.6	45.3
06:05 AM - 06:10 AM	57.9	45.5	08:45 AM - 08:50 AM	54.1	47.2	11:25 AM - 11:30 AM	50.6	44.0
06:10 AM - 06:15 AM	56.1	46.2	08:50 AM - 08:55 AM	55.6	46.8	11:30 AM - 11:35 AM	53.3	45.0
06:15 AM - 06:20 AM	55.2	44.4	08:55 AM - 09:00 AM	66.6	47.4	11:35 AM - 11:40 AM	55.8	45.7
06:20 AM - 06:25 AM	55.9	44.1	09:00 AM - 09:05 AM	52.6	44.9	11:40 AM - 11:45 AM	54.6	45.6
06:25 AM - 06:30 AM	54.6	43.4	09:05 AM - 09:10 AM	52.8	47.3	11:45 AM - 11:50 AM	50.6	43.9
06:30 AM - 06:35 AM	54.7	43.7	09:10 AM - 09:15 AM	55.6	49.3	11:50 AM - 11:55 AM	52.7	44.3
06:35 AM - 06:40 AM	56.4	48.9	09:15 AM - 09:20 AM	53.7	49.2	11:55 AM - 12:00 PM	54.8	43.6
06:40 AM - 06:45 AM	60.1	51.7	09:20 AM - 09:25 AM	50.9	48.0	12:00 PM - 12:05 PM	54.8	44.7
06:45 AM - 06:50 AM	58.0	52.2	09:25 AM - 09:30 AM	54.7	48.0	12:05 PM - 12:10 PM	54.0	44.9
06:50 AM - 06:55 AM	54.1	45.1	09:30 AM - 09:35 AM	53.5	47.1	12:10 PM - 12:15 PM	55.4	45.4
06:55 AM - 07:00 AM	51.3	44.4	09:35 AM - 09:40 AM	53.1	47.1	12:15 PM - 12:20 PM	61.3	45.9
07:00 AM - 07:05 AM	52.6	43.8	09:40 AM - 09:45 AM	52.2	46.2	12:20 PM - 12:25 PM	52.6	45.5
07:05 AM - 07:10 AM	52.9	44.1	09:45 AM - 09:50 AM	54.4	46.4	12:25 PM - 12:30 PM	53.1	44.0
07:10 AM - 07:15 AM	52.6	44.2	09:50 AM - 09:55 AM	52.1	46.3	12:30 PM - 12:35 PM	54.6	45.7
07:15 AM - 07:20 AM	49.9	42.8	09:55 AM - 10:00 AM	53.9	46.6	12:35 PM - 12:40 PM	54.2	45.1
07:20 AM - 07:25 AM	51.3	42.7	10:00 AM - 10:05 AM	57.5	45.7	12:40 PM - 12:45 PM	52.7	44.2
07:25 AM - 07:30 AM	55.2	45.2	10:05 AM - 10:10 AM	56.2	46.2	12:45 PM - 12:50 PM	53.2	44.2
07:30 AM - 07:35 AM	60.9	47.6	10:10 AM - 10:15 AM	53.4	47.1	12:50 PM - 12:55 PM	56.3	45.7
07:35 AM - 07:40 AM	56.0	48.1	10:15 AM - 10:20 AM	51.2	46.5	12:55 PM - 01:00 PM	56.0	45.3

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Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419208-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-11  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแขวง (N2)  
**Measurement Date** : Sep 22 - Sep 23, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 PM - 01:05 PM	54.2	46.8	03:40 PM - 03:45 PM	53.4	44.4	06:20 PM - 06:25 PM	59.3	52.8
01:05 PM - 01:10 PM	51.4	44.1	03:45 PM - 03:50 PM	54.0	48.4	06:25 PM - 06:30 PM	58.6	51.7
01:10 PM - 01:15 PM	65.8	48.9	03:50 PM - 03:55 PM	54.8	52.2	06:30 PM - 06:35 PM	54.3	50.8
01:15 PM - 01:20 PM	62.9	44.5	03:55 PM - 04:00 PM	55.2	52.3	06:35 PM - 06:40 PM	51.4	49.5
01:20 PM - 01:25 PM	55.3	47.8	04:00 PM - 04:05 PM	55.6	51.8	06:40 PM - 06:45 PM	52.9	48.1
01:25 PM - 01:30 PM	51.5	44.9	04:05 PM - 04:10 PM	54.8	50.7	06:45 PM - 06:50 PM	56.1	46.7
01:30 PM - 01:35 PM	58.9	48.8	04:10 PM - 04:15 PM	56.4	52.2	06:50 PM - 06:55 PM	57.7	45.3
01:35 PM - 01:40 PM	61.6	56.0	04:15 PM - 04:20 PM	54.8	52.1	06:55 PM - 07:00 PM	54.6	44.6
01:40 PM - 01:45 PM	61.8	56.9	04:20 PM - 04:25 PM	58.3	53.3	07:00 PM - 07:05 PM	54.9	43.6
01:45 PM - 01:50 PM	63.0	58.1	04:25 PM - 04:30 PM	57.5	55.8	07:05 PM - 07:10 PM	47.7	42.9
01:50 PM - 01:55 PM	61.2	51.9	04:30 PM - 04:35 PM	59.3	57.7	07:10 PM - 07:15 PM	46.9	42.9
01:55 PM - 02:00 PM	61.7	52.4	04:35 PM - 04:40 PM	60.0	58.4	07:15 PM - 07:20 PM	49.9	43.0
02:00 PM - 02:05 PM	61.1	48.2	04:40 PM - 04:45 PM	63.9	60.9	07:20 PM - 07:25 PM	48.0	42.0
02:05 PM - 02:10 PM	63.9	47.0	04:45 PM - 04:50 PM	60.3	58.9	07:25 PM - 07:30 PM	46.1	42.2
02:10 PM - 02:15 PM	64.4	57.7	04:50 PM - 04:55 PM	68.3	59.3	07:30 PM - 07:35 PM	50.6	42.0
02:15 PM - 02:20 PM	61.6	50.1	04:55 PM - 05:00 PM	69.9	61.0	07:35 PM - 07:40 PM	46.4	42.9
02:20 PM - 02:25 PM	64.9	47.6	05:00 PM - 05:05 PM	68.8	60.5	07:40 PM - 07:45 PM	49.1	44.1
02:25 PM - 02:30 PM	64.4	52.8	05:05 PM - 05:10 PM	69.1	61.3	07:45 PM - 07:50 PM	46.9	42.4
02:30 PM - 02:35 PM	63.6	57.8	05:10 PM - 05:15 PM	69.4	61.5	07:50 PM - 07:55 PM	45.5	43.3
02:35 PM - 02:40 PM	65.3	48.8	05:15 PM - 05:20 PM	69.5	61.7	07:55 PM - 08:00 PM	44.8	41.8
02:40 PM - 02:45 PM	57.4	44.0	05:20 PM - 05:25 PM	67.3	60.0	08:00 PM - 08:05 PM	45.6	42.0
02:45 PM - 02:50 PM	53.6	45.5	05:25 PM - 05:30 PM	66.8	61.2	08:05 PM - 08:10 PM	46.6	42.7
02:50 PM - 02:55 PM	50.5	43.4	05:30 PM - 05:35 PM	65.9	60.9	08:10 PM - 08:15 PM	50.1	42.6
02:55 PM - 03:00 PM	50.3	43.6	05:35 PM - 05:40 PM	65.6	62.1	08:15 PM - 08:20 PM	50.7	42.3
03:00 PM - 03:05 PM	50.1	44.8	05:40 PM - 05:45 PM	66.1	61.0	08:20 PM - 08:25 PM	48.4	42.5
03:05 PM - 03:10 PM	52.7	43.8	05:45 PM - 05:50 PM	64.8	59.2	08:25 PM - 08:30 PM	43.7	42.2
03:10 PM - 03:15 PM	50.9	43.6	05:50 PM - 05:55 PM	65.6	59.2	08:30 PM - 08:35 PM	43.1	42.2
03:15 PM - 03:20 PM	51.3	43.9	05:55 PM - 06:00 PM	63.8	58.5	08:35 PM - 08:40 PM	49.7	42.3
03:20 PM - 03:25 PM	58.9	45.6	06:00 PM - 06:05 PM	63.6	57.9	08:40 PM - 08:45 PM	51.3	43.0
03:25 PM - 03:30 PM	54.3	43.4	06:05 PM - 06:10 PM	60.9	58.3	08:45 PM - 08:50 PM	45.9	41.8
03:30 PM - 03:35 PM	55.2	44.9	06:10 PM - 06:15 PM	59.0	57.2	08:50 PM - 08:55 PM	44.8	42.5
03:35 PM - 03:40 PM	52.7	44.8	06:15 PM - 06:20 PM	56.5	55.5	08:55 PM - 09:00 PM	42.5	41.3

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419208-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** 2573111-11  
**Parameter** Noise Level (Leq 5 min)  
**Location** วัดบ้านหนองแวง (N2)  
**Measurement Date** Sep 22 - Sep 23, 2025  
**Measurement by** Pongsaton Chaitip  
**Sound Level meter** Serial No. 00709775

Sep 22, 2025	Leq	L90	Sep 22 - Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 PM - 09:05 PM	45.4	42.3	11:40 PM - 11:45 PM	45.4	43.3	02:20 AM - 02:25 AM	47.2	44.7
09:05 PM - 09:10 PM	45.9	42.1	11:45 PM - 11:50 PM	59.5	41.5	02:25 AM - 02:30 AM	50.3	45.5
09:10 PM - 09:15 PM	50.3	44.8	11:50 PM - 11:55 PM	47.6	41.6	02:30 AM - 02:35 AM	46.8	44.2
09:15 PM - 09:20 PM	45.8	41.9	11:55 PM - 12:00 AM	45.6	41.3	02:35 AM - 02:40 AM	46.9	45.1
09:20 PM - 09:25 PM	46.0	44.1	12:00 AM - 12:05 AM	43.6	41.3	02:40 AM - 02:45 AM	46.7	43.9
09:25 PM - 09:30 PM	46.3	41.0	12:05 AM - 12:10 AM	44.9	42.3	02:45 AM - 02:50 AM	46.7	44.1
09:30 PM - 09:35 PM	46.1	43.3	12:10 AM - 12:15 AM	44.6	42.7	02:50 AM - 02:55 AM	46.9	44.9
09:35 PM - 09:40 PM	45.5	42.8	12:15 AM - 12:20 AM	50.4	41.3	02:55 AM - 03:00 AM	47.4	45.2
09:40 PM - 09:45 PM	47.4	44.1	12:20 AM - 12:25 AM	43.9	42.0	03:00 AM - 03:05 AM	46.2	44.2
09:45 PM - 09:50 PM	46.4	42.0	12:25 AM - 12:30 AM	44.4	42.1	03:05 AM - 03:10 AM	46.3	44.5
09:50 PM - 09:55 PM	46.0	42.8	12:30 AM - 12:35 AM	44.9	42.4	03:10 AM - 03:15 AM	53.8	44.9
09:55 PM - 10:00 PM	48.2	43.6	12:35 AM - 12:40 AM	44.1	42.3	03:15 AM - 03:20 AM	48.2	46.8
10:00 PM - 10:05 PM	47.1	45.0	12:40 AM - 12:45 AM	45.5	42.6	03:20 AM - 03:25 AM	47.8	45.6
10:05 PM - 10:10 PM	46.4	44.4	12:45 AM - 12:50 AM	43.9	41.3	03:25 AM - 03:30 AM	48.6	45.2
10:10 PM - 10:15 PM	45.4	41.9	12:50 AM - 12:55 AM	43.0	41.1	03:30 AM - 03:35 AM	46.8	45.1
10:15 PM - 10:20 PM	45.8	42.9	12:55 AM - 01:00 AM	44.3	41.3	03:35 AM - 03:40 AM	46.5	45.3
10:20 PM - 10:25 PM	44.6	41.2	01:00 AM - 01:05 AM	47.8	41.7	03:40 AM - 03:45 AM	45.5	44.4
10:25 PM - 10:30 PM	45.6	41.8	01:05 AM - 01:10 AM	44.0	41.9	03:45 AM - 03:50 AM	48.3	45.2
10:30 PM - 10:35 PM	53.2	41.7	01:10 AM - 01:15 AM	46.7	44.7	03:50 AM - 03:55 AM	54.1	48.7
10:35 PM - 10:40 PM	46.4	43.9	01:15 AM - 01:20 AM	48.9	44.7	03:55 AM - 04:00 AM	57.2	52.4
10:40 PM - 10:45 PM	46.8	44.4	01:20 AM - 01:25 AM	46.6	44.6	04:00 AM - 04:05 AM	57.8	52.4
10:45 PM - 10:50 PM	45.3	42.8	01:25 AM - 01:30 AM	45.1	41.1	04:05 AM - 04:10 AM	57.8	53.3
10:50 PM - 10:55 PM	46.2	43.7	01:30 AM - 01:35 AM	50.3	43.2	04:10 AM - 04:15 AM	58.3	53.7
10:55 PM - 11:00 PM	45.7	42.6	01:35 AM - 01:40 AM	44.8	41.9	04:15 AM - 04:20 AM	55.0	46.1
11:00 PM - 11:05 PM	45.7	43.3	01:40 AM - 01:45 AM	45.2	41.9	04:20 AM - 04:25 AM	56.3	51.4
11:05 PM - 11:10 PM	44.0	42.0	01:45 AM - 01:50 AM	46.4	44.3	04:25 AM - 04:30 AM	56.7	52.2
11:10 PM - 11:15 PM	44.8	42.6	01:50 AM - 01:55 AM	46.8	44.9	04:30 AM - 04:35 AM	56.7	51.9
11:15 PM - 11:20 PM	43.9	41.4	01:55 AM - 02:00 AM	47.4	45.0	04:35 AM - 04:40 AM	57.1	53.1
11:20 PM - 11:25 PM	43.8	40.8	02:00 AM - 02:05 AM	47.1	44.7	04:40 AM - 04:45 AM	57.6	52.4
11:25 PM - 11:30 PM	43.5	41.2	02:05 AM - 02:10 AM	46.4	44.4	04:45 AM - 04:50 AM	48.2	41.7
11:30 PM - 11:35 PM	46.9	41.0	02:10 AM - 02:15 AM	48.3	44.5	04:50 AM - 04:55 AM	56.8	40.7
11:35 PM - 11:40 PM	57.4	40.7	02:15 AM - 02:20 AM	49.7	45.1	04:55 AM - 05:00 AM	47.4	41.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419208-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-11  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 22 - Sep 23, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 AM - 05:05 AM	47.4	43.0	07:40 AM - 07:45 AM	53.8	44.7	10:20 AM - 10:25 AM	49.8	44.6
05:05 AM - 05:10 AM	47.1	42.9	07:45 AM - 07:50 AM	51.7	44.3	10:25 AM - 10:30 AM	49.1	45.2
05:10 AM - 05:15 AM	44.0	40.9	07:50 AM - 07:55 AM	57.3	45.5	10:30 AM - 10:35 AM	51.5	44.4
05:15 AM - 05:20 AM	45.8	42.6	07:55 AM - 08:00 AM	58.4	44.5	10:35 AM - 10:40 AM	52.5	44.4
05:20 AM - 05:25 AM	53.3	41.8	08:00 AM - 08:05 AM	60.3	45.2	10:40 AM - 10:45 AM	52.6	43.6
05:25 AM - 05:30 AM	46.0	42.2	08:05 AM - 08:10 AM	58.4	44.4	10:45 AM - 10:50 AM	52.4	44.7
05:30 AM - 05:35 AM	46.2	41.3	08:10 AM - 08:15 AM	57.7	43.4	10:50 AM - 10:55 AM	56.3	44.6
05:35 AM - 05:40 AM	49.1	41.2	08:15 AM - 08:20 AM	56.2	41.8	10:55 AM - 11:00 AM	52.4	44.7
05:40 AM - 05:45 AM	55.3	42.1	08:20 AM - 08:25 AM	57.3	43.4	11:00 AM - 11:05 AM	53.3	45.8
05:45 AM - 05:50 AM	53.5	44.4	08:25 AM - 08:30 AM	58.0	43.9	11:05 AM - 11:10 AM	53.7	45.6
05:50 AM - 05:55 AM	66.9	42.8	08:30 AM - 08:35 AM	57.6	45.8	11:10 AM - 11:15 AM	59.1	44.0
05:55 AM - 06:00 AM	67.4	44.9	08:35 AM - 08:40 AM	56.5	44.4	11:15 AM - 11:20 AM	54.0	43.4
06:00 AM - 06:05 AM	52.9	44.3	08:40 AM - 08:45 AM	57.2	44.7	11:20 AM - 11:25 AM	55.3	45.5
06:05 AM - 06:10 AM	57.7	45.1	08:45 AM - 08:50 AM	51.9	44.3	11:25 AM - 11:30 AM	51.9	43.8
06:10 AM - 06:15 AM	51.3	43.1	08:50 AM - 08:55 AM	53.6	44.3	11:30 AM - 11:35 AM	52.9	45.8
06:15 AM - 06:20 AM	53.9	43.7	08:55 AM - 09:00 AM	54.0	43.6	11:35 AM - 11:40 AM	53.9	44.7
06:20 AM - 06:25 AM	52.9	43.2	09:00 AM - 09:05 AM	52.1	44.4	11:40 AM - 11:45 AM	52.8	44.5
06:25 AM - 06:30 AM	54.4	45.5	09:05 AM - 09:10 AM	52.4	44.8	11:45 AM - 11:50 AM	54.1	43.3
06:30 AM - 06:35 AM	55.5	43.3	09:10 AM - 09:15 AM	51.0	43.6	11:50 AM - 11:55 AM	54.4	45.7
06:35 AM - 06:40 AM	56.4	45.3	09:15 AM - 09:20 AM	52.4	45.8	11:55 AM - 12:00 PM	52.2	44.6
06:40 AM - 06:45 AM	55.1	44.6	09:20 AM - 09:25 AM	54.9	44.3	12:00 PM - 12:05 PM	52.1	40.5
06:45 AM - 06:50 AM	60.3	47.9	09:25 AM - 09:30 AM	61.8	47.6	12:05 PM - 12:10 PM	54.4	43.8
06:50 AM - 06:55 AM	55.4	46.9	09:30 AM - 09:35 AM	63.3	47.3	12:10 PM - 12:15 PM	54.6	44.3
06:55 AM - 07:00 AM	52.1	46.5	09:35 AM - 09:40 AM	58.7	46.0	12:15 PM - 12:20 PM	55.4	44.1
07:00 AM - 07:05 AM	55.3	45.8	09:40 AM - 09:45 AM	59.9	44.3	12:20 PM - 12:25 PM	58.3	47.0
07:05 AM - 07:10 AM	56.0	45.5	09:45 AM - 09:50 AM	53.2	43.5	12:25 PM - 12:30 PM	59.2	47.5
07:10 AM - 07:15 AM	49.6	43.4	09:50 AM - 09:55 AM	55.4	46.8	12:30 PM - 12:35 PM	55.5	45.4
07:15 AM - 07:20 AM	52.5	43.2	09:55 AM - 10:00 AM	51.4	46.9	12:35 PM - 12:40 PM	55.1	44.3
07:20 AM - 07:25 AM	48.9	43.2	10:00 AM - 10:05 AM	51.6	44.6	12:40 PM - 12:45 PM	56.3	45.4
07:25 AM - 07:30 AM	54.7	44.8	10:05 AM - 10:10 AM	51.8	46.1	12:45 PM - 12:50 PM	53.9	43.1
07:30 AM - 07:35 AM	54.0	42.9	10:10 AM - 10:15 AM	57.1	45.3	12:50 PM - 12:55 PM	57.3	45.9
07:35 AM - 07:40 AM	52.3	43.4	10:15 AM - 10:20 AM	53.1	46.2	12:55 PM - 01:00 PM	52.9	43.8

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Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419209-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-12  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแขว (N2)  
**Measurement Date** : Sep 23 - Sep 24, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 PM - 01:05 PM	53.9	43.7	03:40 PM - 03:45 PM	53.6	45.7	06:20 PM - 06:25 PM	51.3	43.3
01:05 PM - 01:10 PM	53.6	44.0	03:45 PM - 03:50 PM	52.9	45.6	06:25 PM - 06:30 PM	57.6	44.2
01:10 PM - 01:15 PM	51.3	42.5	03:50 PM - 03:55 PM	52.6	44.4	06:30 PM - 06:35 PM	54.4	44.2
01:15 PM - 01:20 PM	53.6	44.8	03:55 PM - 04:00 PM	51.3	44.7	06:35 PM - 06:40 PM	54.6	46.4
01:20 PM - 01:25 PM	53.6	43.3	04:00 PM - 04:05 PM	51.8	44.7	06:40 PM - 06:45 PM	60.5	43.7
01:25 PM - 01:30 PM	55.3	43.9	04:05 PM - 04:10 PM	52.4	46.1	06:45 PM - 06:50 PM	61.2	46.2
01:30 PM - 01:35 PM	55.2	44.5	04:10 PM - 04:15 PM	55.7	45.2	06:50 PM - 06:55 PM	59.1	45.3
01:35 PM - 01:40 PM	55.8	44.0	04:15 PM - 04:20 PM	57.2	45.8	06:55 PM - 07:00 PM	61.3	45.3
01:40 PM - 01:45 PM	52.8	44.3	04:20 PM - 04:25 PM	57.4	46.2	07:00 PM - 07:05 PM	58.0	44.3
01:45 PM - 01:50 PM	55.4	44.0	04:25 PM - 04:30 PM	58.8	45.3	07:05 PM - 07:10 PM	62.0	44.6
01:50 PM - 01:55 PM	54.3	44.0	04:30 PM - 04:35 PM	54.3	45.0	07:10 PM - 07:15 PM	57.8	44.5
01:55 PM - 02:00 PM	51.8	42.5	04:35 PM - 04:40 PM	60.3	46.5	07:15 PM - 07:20 PM	57.6	44.7
02:00 PM - 02:05 PM	51.9	42.9	04:40 PM - 04:45 PM	62.0	55.3	07:20 PM - 07:25 PM	57.6	44.6
02:05 PM - 02:10 PM	55.9	44.5	04:45 PM - 04:50 PM	63.5	56.3	07:25 PM - 07:30 PM	59.8	44.5
02:10 PM - 02:15 PM	52.0	43.9	04:50 PM - 04:55 PM	62.6	56.2	07:30 PM - 07:35 PM	57.2	44.5
02:15 PM - 02:20 PM	52.8	42.2	04:55 PM - 05:00 PM	62.1	55.9	07:35 PM - 07:40 PM	44.9	44.0
02:20 PM - 02:25 PM	51.9	42.0	05:00 PM - 05:05 PM	60.9	55.4	07:40 PM - 07:45 PM	48.7	43.8
02:25 PM - 02:30 PM	54.3	41.8	05:05 PM - 05:10 PM	61.4	51.0	07:45 PM - 07:50 PM	48.2	44.8
02:30 PM - 02:35 PM	56.8	42.5	05:10 PM - 05:15 PM	56.5	42.9	07:50 PM - 07:55 PM	44.3	41.8
02:35 PM - 02:40 PM	54.0	43.1	05:15 PM - 05:20 PM	57.1	43.7	07:55 PM - 08:00 PM	46.8	42.8
02:40 PM - 02:45 PM	53.9	43.5	05:20 PM - 05:25 PM	51.9	40.7	08:00 PM - 08:05 PM	52.8	44.5
02:45 PM - 02:50 PM	51.0	44.5	05:25 PM - 05:30 PM	51.8	42.2	08:05 PM - 08:10 PM	51.1	45.1
02:50 PM - 02:55 PM	51.6	45.1	05:30 PM - 05:35 PM	56.1	43.6	08:10 PM - 08:15 PM	54.4	45.4
02:55 PM - 03:00 PM	51.0	44.9	05:35 PM - 05:40 PM	50.6	42.6	08:15 PM - 08:20 PM	51.6	44.9
03:00 PM - 03:05 PM	53.9	45.0	05:40 PM - 05:45 PM	51.3	43.0	08:20 PM - 08:25 PM	56.3	47.1
03:05 PM - 03:10 PM	51.2	44.1	05:45 PM - 05:50 PM	56.6	42.7	08:25 PM - 08:30 PM	50.6	46.5
03:10 PM - 03:15 PM	51.4	43.2	05:50 PM - 05:55 PM	52.2	44.0	08:30 PM - 08:35 PM	49.1	45.0
03:15 PM - 03:20 PM	50.9	46.9	05:55 PM - 06:00 PM	51.5	42.1	08:35 PM - 08:40 PM	48.3	45.0
03:20 PM - 03:25 PM	48.5	43.7	06:00 PM - 06:05 PM	54.3	42.9	08:40 PM - 08:45 PM	47.0	43.6
03:25 PM - 03:30 PM	48.2	42.9	06:05 PM - 06:10 PM	55.1	44.1	08:45 PM - 08:50 PM	58.1	44.3
03:30 PM - 03:35 PM	50.6	43.3	06:10 PM - 06:15 PM	51.5	43.7	08:50 PM - 08:55 PM	47.8	43.2
03:35 PM - 03:40 PM	50.0	43.8	06:15 PM - 06:20 PM	50.0	42.5	08:55 PM - 09:00 PM	47.5	43.3

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419209-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-12  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 23 - Sep 24, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 23, 2025	Leq	L90	Sep 23 - Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 PM - 09:05 PM	48.3	43.6	11:40 PM - 11:45 PM	43.6	42.3	02:20 AM - 02:25 AM	42.8	41.4
09:05 PM - 09:10 PM	44.7	42.4	11:45 PM - 11:50 PM	47.0	41.9	02:25 AM - 02:30 AM	46.1	41.6
09:10 PM - 09:15 PM	48.3	42.8	11:50 PM - 11:55 PM	43.9	41.9	02:30 AM - 02:35 AM	46.0	42.2
09:15 PM - 09:20 PM	48.7	43.9	11:55 PM - 12:00 AM	48.3	42.0	02:35 AM - 02:40 AM	43.1	41.7
09:20 PM - 09:25 PM	47.5	44.4	12:00 AM - 12:05 AM	54.8	41.9	02:40 AM - 02:45 AM	46.8	41.5
09:25 PM - 09:30 PM	54.7	44.5	12:05 AM - 12:10 AM	53.7	41.6	02:45 AM - 02:50 AM	45.9	41.4
09:30 PM - 09:35 PM	47.8	43.8	12:10 AM - 12:15 AM	43.5	41.3	02:50 AM - 02:55 AM	43.2	41.2
09:35 PM - 09:40 PM	46.1	43.2	12:15 AM - 12:20 AM	43.8	41.7	02:55 AM - 03:00 AM	42.5	40.9
09:40 PM - 09:45 PM	46.0	43.3	12:20 AM - 12:25 AM	47.2	41.2	03:00 AM - 03:05 AM	43.0	41.0
09:45 PM - 09:50 PM	47.7	43.5	12:25 AM - 12:30 AM	42.3	40.6	03:05 AM - 03:10 AM	43.2	42.3
09:50 PM - 09:55 PM	46.4	42.8	12:30 AM - 12:35 AM	42.0	40.3	03:10 AM - 03:15 AM	45.8	41.8
09:55 PM - 10:00 PM	48.0	44.1	12:35 AM - 12:40 AM	42.1	40.8	03:15 AM - 03:20 AM	42.7	41.6
10:00 PM - 10:05 PM	47.8	44.2	12:40 AM - 12:45 AM	42.5	40.6	03:20 AM - 03:25 AM	43.1	41.5
10:05 PM - 10:10 PM	51.6	45.0	12:45 AM - 12:50 AM	42.0	40.8	03:25 AM - 03:30 AM	42.8	41.5
10:10 PM - 10:15 PM	46.2	43.5	12:50 AM - 12:55 AM	43.1	40.7	03:30 AM - 03:35 AM	46.8	41.9
10:15 PM - 10:20 PM	46.3	43.7	12:55 AM - 01:00 AM	45.0	41.2	03:35 AM - 03:40 AM	42.1	40.8
10:20 PM - 10:25 PM	46.6	43.7	01:00 AM - 01:05 AM	44.3	41.5	03:40 AM - 03:45 AM	42.0	40.6
10:25 PM - 10:30 PM	45.9	43.7	01:05 AM - 01:10 AM	44.3	41.5	03:45 AM - 03:50 AM	42.5	40.7
10:30 PM - 10:35 PM	46.5	44.0	01:10 AM - 01:15 AM	42.7	40.4	03:50 AM - 03:55 AM	47.9	41.1
10:35 PM - 10:40 PM	47.4	43.1	01:15 AM - 01:20 AM	42.4	40.6	03:55 AM - 04:00 AM	42.6	40.9
10:40 PM - 10:45 PM	45.5	43.7	01:20 AM - 01:25 AM	43.2	41.4	04:00 AM - 04:05 AM	42.5	41.4
10:45 PM - 10:50 PM	45.9	43.5	01:25 AM - 01:30 AM	41.9	40.9	04:05 AM - 04:10 AM	43.0	41.2
10:50 PM - 10:55 PM	50.3	43.8	01:30 AM - 01:35 AM	42.7	41.0	04:10 AM - 04:15 AM	44.5	41.6
10:55 PM - 11:00 PM	46.3	43.1	01:35 AM - 01:40 AM	43.1	41.5	04:15 AM - 04:20 AM	43.3	41.2
11:00 PM - 11:05 PM	46.0	43.2	01:40 AM - 01:45 AM	43.3	41.5	04:20 AM - 04:25 AM	44.1	41.8
11:05 PM - 11:10 PM	46.5	43.4	01:45 AM - 01:50 AM	43.4	41.6	04:25 AM - 04:30 AM	54.7	40.5
11:10 PM - 11:15 PM	47.6	44.1	01:50 AM - 01:55 AM	42.7	40.6	04:30 AM - 04:35 AM	43.2	41.0
11:15 PM - 11:20 PM	47.1	44.4	01:55 AM - 02:00 AM	42.5	40.8	04:35 AM - 04:40 AM	42.8	40.8
11:20 PM - 11:25 PM	45.3	43.3	02:00 AM - 02:05 AM	42.7	41.4	04:40 AM - 04:45 AM	46.0	41.7
11:25 PM - 11:30 PM	45.1	43.2	02:05 AM - 02:10 AM	55.0	42.0	04:45 AM - 04:50 AM	42.9	41.2
11:30 PM - 11:35 PM	48.0	43.5	02:10 AM - 02:15 AM	44.3	41.5	04:50 AM - 04:55 AM	43.6	42.0
11:35 PM - 11:40 PM	50.7	43.0	02:15 AM - 02:20 AM	48.9	41.5	04:55 AM - 05:00 AM	44.2	41.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419209-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 3 of 3

**Sample Number** : 2573111-12  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 23 - Sep 24, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 AM - 05:05 AM	50.0	42.1	07:40 AM - 07:45 AM	54.1	42.1	10:20 AM - 10:25 AM	51.2	42.8
05:05 AM - 05:10 AM	45.1	41.4	07:45 AM - 07:50 AM	65.4	44.0	10:25 AM - 10:30 AM	50.0	43.1
05:10 AM - 05:15 AM	43.4	40.9	07:50 AM - 07:55 AM	53.4	44.8	10:30 AM - 10:35 AM	52.2	42.3
05:15 AM - 05:20 AM	44.3	41.8	07:55 AM - 08:00 AM	58.9	48.2	10:35 AM - 10:40 AM	57.4	42.8
05:20 AM - 05:25 AM	44.0	41.6	08:00 AM - 08:05 AM	58.5	43.8	10:40 AM - 10:45 AM	53.7	42.2
05:25 AM - 05:30 AM	45.4	42.2	08:05 AM - 08:10 AM	49.8	43.1	10:45 AM - 10:50 AM	46.5	41.2
05:30 AM - 05:35 AM	55.6	43.2	08:10 AM - 08:15 AM	52.9	44.1	10:50 AM - 10:55 AM	49.4	43.8
05:35 AM - 05:40 AM	51.1	43.0	08:15 AM - 08:20 AM	54.1	44.0	10:55 AM - 11:00 AM	55.6	44.1
05:40 AM - 05:45 AM	49.6	43.7	08:20 AM - 08:25 AM	53.0	43.8	11:00 AM - 11:05 AM	56.0	43.2
05:45 AM - 05:50 AM	55.1	45.5	08:25 AM - 08:30 AM	53.3	43.2	11:05 AM - 11:10 AM	57.4	45.3
05:50 AM - 05:55 AM	70.1	44.6	08:30 AM - 08:35 AM	49.8	43.3	11:10 AM - 11:15 AM	54.6	42.7
05:55 AM - 06:00 AM	56.0	44.2	08:35 AM - 08:40 AM	53.7	45.0	11:15 AM - 11:20 AM	51.1	42.1
06:00 AM - 06:05 AM	50.8	43.1	08:40 AM - 08:45 AM	47.0	43.2	11:20 AM - 11:25 AM	54.6	43.5
06:05 AM - 06:10 AM	54.9	43.7	08:45 AM - 08:50 AM	53.0	42.8	11:25 AM - 11:30 AM	54.5	40.5
06:10 AM - 06:15 AM	53.0	42.6	08:50 AM - 08:55 AM	56.0	44.7	11:30 AM - 11:35 AM	50.5	41.0
06:15 AM - 06:20 AM	54.0	44.8	08:55 AM - 09:00 AM	55.3	43.5	11:35 AM - 11:40 AM	54.2	42.2
06:20 AM - 06:25 AM	53.3	43.2	09:00 AM - 09:05 AM	49.8	43.5	11:40 AM - 11:45 AM	51.8	44.7
06:25 AM - 06:30 AM	55.4	45.9	09:05 AM - 09:10 AM	51.9	43.8	11:45 AM - 11:50 AM	51.4	43.4
06:30 AM - 06:35 AM	54.3	44.4	09:10 AM - 09:15 AM	51.8	45.1	11:50 AM - 11:55 AM	53.3	43.7
06:35 AM - 06:40 AM	53.3	43.5	09:15 AM - 09:20 AM	53.7	43.1	11:55 AM - 12:00 PM	54.6	43.3
06:40 AM - 06:45 AM	58.3	47.0	09:20 AM - 09:25 AM	54.6	42.5	12:00 PM - 12:05 PM	53.4	41.7
06:45 AM - 06:50 AM	55.5	43.6	09:25 AM - 09:30 AM	53.7	44.9	12:05 PM - 12:10 PM	53.9	44.6
06:50 AM - 06:55 AM	54.6	46.7	09:30 AM - 09:35 AM	54.6	44.2	12:10 PM - 12:15 PM	52.2	42.8
06:55 AM - 07:00 AM	52.4	47.1	09:35 AM - 09:40 AM	56.3	45.9	12:15 PM - 12:20 PM	51.4	43.6
07:00 AM - 07:05 AM	55.9	47.5	09:40 AM - 09:45 AM	53.5	44.6	12:20 PM - 12:25 PM	55.1	46.3
07:05 AM - 07:10 AM	57.9	51.1	09:45 AM - 09:50 AM	53.8	46.1	12:25 PM - 12:30 PM	53.3	44.1
07:10 AM - 07:15 AM	59.0	51.2	09:50 AM - 09:55 AM	55.2	44.4	12:30 PM - 12:35 PM	57.3	45.8
07:15 AM - 07:20 AM	55.9	42.6	09:55 AM - 10:00 AM	51.5	43.0	12:35 PM - 12:40 PM	56.8	45.2
07:20 AM - 07:25 AM	54.2	43.7	10:00 AM - 10:05 AM	52.8	43.3	12:40 PM - 12:45 PM	55.7	45.5
07:25 AM - 07:30 AM	51.7	43.3	10:05 AM - 10:10 AM	52.3	43.1	12:45 PM - 12:50 PM	51.7	43.1
07:30 AM - 07:35 AM	50.5	43.4	10:10 AM - 10:15 AM	55.2	44.9	12:50 PM - 12:55 PM	53.7	43.2
07:35 AM - 07:40 AM	56.2	45.3	10:15 AM - 10:20 AM	52.4	42.7	12:55 PM - 01:00 PM	46.8	42.2

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419210-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-13  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแขว (N2)  
**Measurement Date** : Sep 24 - Sep 25, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 PM - 01:05 PM	45.6	41.4	03:40 PM - 03:45 PM	51.7	42.9	06:20 PM - 06:25 PM	52.2	42.1
01:05 PM - 01:10 PM	50.0	42.3	03:45 PM - 03:50 PM	47.6	42.6	06:25 PM - 06:30 PM	52.1	41.0
01:10 PM - 01:15 PM	50.5	40.7	03:50 PM - 03:55 PM	48.1	43.0	06:30 PM - 06:35 PM	60.7	44.3
01:15 PM - 01:20 PM	52.8	40.7	03:55 PM - 04:00 PM	50.0	43.1	06:35 PM - 06:40 PM	65.0	43.7
01:20 PM - 01:25 PM	54.1	43.7	04:00 PM - 04:05 PM	52.0	45.2	06:40 PM - 06:45 PM	58.7	42.6
01:25 PM - 01:30 PM	53.1	41.1	04:05 PM - 04:10 PM	51.5	43.5	06:45 PM - 06:50 PM	64.8	46.5
01:30 PM - 01:35 PM	55.0	44.5	04:10 PM - 04:15 PM	50.9	45.4	06:50 PM - 06:55 PM	58.1	43.2
01:35 PM - 01:40 PM	57.1	43.3	04:15 PM - 04:20 PM	51.6	45.1	06:55 PM - 07:00 PM	50.1	43.6
01:40 PM - 01:45 PM	59.4	44.4	04:20 PM - 04:25 PM	54.2	45.0	07:00 PM - 07:05 PM	50.0	43.8
01:45 PM - 01:50 PM	56.7	44.3	04:25 PM - 04:30 PM	53.7	45.0	07:05 PM - 07:10 PM	48.5	43.2
01:50 PM - 01:55 PM	55.1	46.2	04:30 PM - 04:35 PM	52.1	43.8	07:10 PM - 07:15 PM	55.7	42.7
01:55 PM - 02:00 PM	54.4	45.2	04:35 PM - 04:40 PM	52.9	42.9	07:15 PM - 07:20 PM	58.4	44.7
02:00 PM - 02:05 PM	53.4	45.2	04:40 PM - 04:45 PM	62.4	47.6	07:20 PM - 07:25 PM	59.4	45.0
02:05 PM - 02:10 PM	53.7	45.3	04:45 PM - 04:50 PM	64.1	57.2	07:25 PM - 07:30 PM	57.6	43.3
02:10 PM - 02:15 PM	54.0	42.8	04:50 PM - 04:55 PM	64.1	56.7	07:30 PM - 07:35 PM	56.2	43.0
02:15 PM - 02:20 PM	54.1	43.9	04:55 PM - 05:00 PM	63.5	56.4	07:35 PM - 07:40 PM	50.2	42.8
02:20 PM - 02:25 PM	54.6	45.2	05:00 PM - 05:05 PM	60.6	45.4	07:40 PM - 07:45 PM	54.3	42.7
02:25 PM - 02:30 PM	52.8	43.9	05:05 PM - 05:10 PM	55.1	44.3	07:45 PM - 07:50 PM	59.6	42.6
02:30 PM - 02:35 PM	53.8	46.2	05:10 PM - 05:15 PM	54.7	43.0	07:50 PM - 07:55 PM	56.3	42.6
02:35 PM - 02:40 PM	54.8	45.2	05:15 PM - 05:20 PM	53.4	44.2	07:55 PM - 08:00 PM	44.1	42.4
02:40 PM - 02:45 PM	57.6	47.1	05:20 PM - 05:25 PM	53.8	43.6	08:00 PM - 08:05 PM	51.2	42.2
02:45 PM - 02:50 PM	55.4	44.5	05:25 PM - 05:30 PM	58.8	45.0	08:05 PM - 08:10 PM	49.2	42.2
02:50 PM - 02:55 PM	54.4	43.9	05:30 PM - 05:35 PM	56.5	44.2	08:10 PM - 08:15 PM	50.8	43.6
02:55 PM - 03:00 PM	61.2	46.7	05:35 PM - 05:40 PM	55.0	42.8	08:15 PM - 08:20 PM	48.8	42.3
03:00 PM - 03:05 PM	50.5	46.1	05:40 PM - 05:45 PM	50.6	42.1	08:20 PM - 08:25 PM	51.9	43.4
03:05 PM - 03:10 PM	54.6	44.5	05:45 PM - 05:50 PM	52.3	43.1	08:25 PM - 08:30 PM	54.5	42.7
03:10 PM - 03:15 PM	55.1	43.3	05:50 PM - 05:55 PM	51.6	43.0	08:30 PM - 08:35 PM	53.2	44.6
03:15 PM - 03:20 PM	53.6	44.5	05:55 PM - 06:00 PM	52.1	42.2	08:35 PM - 08:40 PM	49.8	45.7
03:20 PM - 03:25 PM	58.1	42.4	06:00 PM - 06:05 PM	55.1	43.3	08:40 PM - 08:45 PM	51.6	45.8
03:25 PM - 03:30 PM	51.7	42.3	06:05 PM - 06:10 PM	51.0	45.8	08:45 PM - 08:50 PM	46.9	43.1
03:30 PM - 03:35 PM	53.1	43.6	06:10 PM - 06:15 PM	51.7	44.0	08:50 PM - 08:55 PM	47.1	43.0
03:35 PM - 03:40 PM	53.5	43.1	06:15 PM - 06:20 PM	50.9	41.9	08:55 PM - 09:00 PM	47.6	42.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419210-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-13  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 24 - Sep 25, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 24, 2025	Leq	L90	Sep 24 - Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 PM - 09:05 PM	47.1	42.7	11:40 PM - 11:45 PM	49.7	42.0	02:20 AM - 02:25 AM	43.7	41.5
09:05 PM - 09:10 PM	44.0	41.6	11:45 PM - 11:50 PM	45.7	43.2	02:25 AM - 02:30 AM	44.2	41.3
09:10 PM - 09:15 PM	50.4	41.6	11:50 PM - 11:55 PM	48.3	42.8	02:30 AM - 02:35 AM	45.2	41.0
09:15 PM - 09:20 PM	47.6	41.1	11:55 PM - 12:00 AM	44.6	42.6	02:35 AM - 02:40 AM	46.2	41.0
09:20 PM - 09:25 PM	47.0	42.3	12:00 AM - 12:05 AM	45.0	43.0	02:40 AM - 02:45 AM	48.1	41.5
09:25 PM - 09:30 PM	46.3	41.6	12:05 AM - 12:10 AM	50.5	43.3	02:45 AM - 02:50 AM	44.2	41.4
09:30 PM - 09:35 PM	46.5	43.4	12:10 AM - 12:15 AM	45.7	43.2	02:50 AM - 02:55 AM	43.0	40.7
09:35 PM - 09:40 PM	53.0	42.5	12:15 AM - 12:20 AM	44.7	42.6	02:55 AM - 03:00 AM	44.2	41.1
09:40 PM - 09:45 PM	49.7	44.4	12:20 AM - 12:25 AM	48.5	42.7	03:00 AM - 03:05 AM	44.3	41.2
09:45 PM - 09:50 PM	49.4	43.1	12:25 AM - 12:30 AM	45.0	43.2	03:05 AM - 03:10 AM	47.6	41.6
09:50 PM - 09:55 PM	47.7	43.2	12:30 AM - 12:35 AM	46.4	43.8	03:10 AM - 03:15 AM	44.7	41.3
09:55 PM - 10:00 PM	46.4	42.7	12:35 AM - 12:40 AM	44.5	42.8	03:15 AM - 03:20 AM	48.0	42.0
10:00 PM - 10:05 PM	47.8	43.1	12:40 AM - 12:45 AM	46.4	42.6	03:20 AM - 03:25 AM	49.7	41.1
10:05 PM - 10:10 PM	52.2	43.3	12:45 AM - 12:50 AM	59.3	43.8	03:25 AM - 03:30 AM	42.2	40.8
10:10 PM - 10:15 PM	45.8	42.7	12:50 AM - 12:55 AM	45.1	42.9	03:30 AM - 03:35 AM	44.3	41.6
10:15 PM - 10:20 PM	48.3	43.0	12:55 AM - 01:00 AM	47.3	42.7	03:35 AM - 03:40 AM	43.4	41.5
10:20 PM - 10:25 PM	49.0	42.5	01:00 AM - 01:05 AM	48.4	43.0	03:40 AM - 03:45 AM	45.2	42.3
10:25 PM - 10:30 PM	44.0	42.2	01:05 AM - 01:10 AM	53.5	43.2	03:45 AM - 03:50 AM	44.4	42.3
10:30 PM - 10:35 PM	48.5	41.5	01:10 AM - 01:15 AM	47.4	41.7	03:50 AM - 03:55 AM	45.5	42.2
10:35 PM - 10:40 PM	51.2	42.9	01:15 AM - 01:20 AM	48.5	41.6	03:55 AM - 04:00 AM	44.7	42.5
10:40 PM - 10:45 PM	46.1	42.0	01:20 AM - 01:25 AM	47.6	42.4	04:00 AM - 04:05 AM	44.4	42.4
10:45 PM - 10:50 PM	46.1	42.3	01:25 AM - 01:30 AM	43.6	41.4	04:05 AM - 04:10 AM	54.5	42.5
10:50 PM - 10:55 PM	45.7	42.8	01:30 AM - 01:35 AM	44.5	41.8	04:10 AM - 04:15 AM	44.2	41.7
10:55 PM - 11:00 PM	45.4	42.1	01:35 AM - 01:40 AM	44.2	41.7	04:15 AM - 04:20 AM	46.7	42.5
11:00 PM - 11:05 PM	46.8	43.2	01:40 AM - 01:45 AM	46.4	42.5	04:20 AM - 04:25 AM	44.7	42.5
11:05 PM - 11:10 PM	45.5	42.2	01:45 AM - 01:50 AM	44.5	41.6	04:25 AM - 04:30 AM	46.7	43.3
11:10 PM - 11:15 PM	46.1	42.5	01:50 AM - 01:55 AM	43.9	41.8	04:30 AM - 04:35 AM	47.0	44.2
11:15 PM - 11:20 PM	45.8	42.5	01:55 AM - 02:00 AM	44.1	42.3	04:35 AM - 04:40 AM	47.4	44.3
11:20 PM - 11:25 PM	45.3	42.9	02:00 AM - 02:05 AM	45.7	43.0	04:40 AM - 04:45 AM	45.7	43.1
11:25 PM - 11:30 PM	45.8	43.8	02:05 AM - 02:10 AM	43.6	41.0	04:45 AM - 04:50 AM	56.1	43.5
11:30 PM - 11:35 PM	45.0	43.2	02:10 AM - 02:15 AM	48.6	41.9	04:50 AM - 04:55 AM	46.1	43.4
11:35 PM - 11:40 PM	46.6	44.0	02:15 AM - 02:20 AM	43.9	41.6	04:55 AM - 05:00 AM	45.6	42.7

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419210-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-13  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 24 - Sep 25, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 25, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 25, 2025 Time	Leq dB(A)	L90 dB(A)	Sep 25, 2025 Time	Leq dB(A)	L90 dB(A)
05:00 AM - 05:05 AM	51.0	43.6	07:40 AM - 07:45 AM	56.7	44.4	10:20 AM - 10:25 AM	52.3	46.4
05:05 AM - 05:10 AM	57.7	44.1	07:45 AM - 07:50 AM	56.5	45.3	10:25 AM - 10:30 AM	53.7	47.6
05:10 AM - 05:15 AM	59.3	43.6	07:50 AM - 07:55 AM	56.2	45.3	10:30 AM - 10:35 AM	54.0	45.3
05:15 AM - 05:20 AM	48.3	43.2	07:55 AM - 08:00 AM	50.4	43.4	10:35 AM - 10:40 AM	54.0	48.2
05:20 AM - 05:25 AM	47.7	43.4	08:00 AM - 08:05 AM	53.8	45.3	10:40 AM - 10:45 AM	53.7	47.9
05:25 AM - 05:30 AM	48.9	43.9	08:05 AM - 08:10 AM	49.4	44.6	10:45 AM - 10:50 AM	54.4	48.3
05:30 AM - 05:35 AM	47.5	43.5	08:10 AM - 08:15 AM	49.5	42.6	10:50 AM - 10:55 AM	52.6	47.3
05:35 AM - 05:40 AM	48.6	43.1	08:15 AM - 08:20 AM	53.9	43.6	10:55 AM - 11:00 AM	53.5	47.1
05:40 AM - 05:45 AM	52.6	42.4	08:20 AM - 08:25 AM	50.0	44.8	11:00 AM - 11:05 AM	52.6	46.5
05:45 AM - 05:50 AM	65.9	45.2	08:25 AM - 08:30 AM	51.1	44.4	11:05 AM - 11:10 AM	54.4	45.9
05:50 AM - 05:55 AM	67.1	45.9	08:30 AM - 08:35 AM	55.4	45.8	11:10 AM - 11:15 AM	55.8	45.4
05:55 AM - 06:00 AM	68.6	42.5	08:35 AM - 08:40 AM	52.9	44.7	11:15 AM - 11:20 AM	56.5	45.0
06:00 AM - 06:05 AM	56.4	42.4	08:40 AM - 08:45 AM	52.7	45.5	11:20 AM - 11:25 AM	54.2	47.4
06:05 AM - 06:10 AM	53.0	43.2	08:45 AM - 08:50 AM	55.5	44.7	11:25 AM - 11:30 AM	52.6	46.0
06:10 AM - 06:15 AM	56.3	44.1	08:50 AM - 08:55 AM	51.9	45.2	11:30 AM - 11:35 AM	53.7	44.7
06:15 AM - 06:20 AM	50.9	43.3	08:55 AM - 09:00 AM	52.0	45.2	11:35 AM - 11:40 AM	51.7	45.3
06:20 AM - 06:25 AM	51.6	42.5	09:00 AM - 09:05 AM	50.5	44.0	11:40 AM - 11:45 AM	52.5	44.7
06:25 AM - 06:30 AM	52.4	42.8	09:05 AM - 09:10 AM	59.4	45.6	11:45 AM - 11:50 AM	52.3	42.5
06:30 AM - 06:35 AM	54.0	43.3	09:10 AM - 09:15 AM	49.2	43.5	11:50 AM - 11:55 AM	49.6	44.7
06:35 AM - 06:40 AM	54.1	44.6	09:15 AM - 09:20 AM	51.8	43.6	11:55 AM - 12:00 PM	51.6	46.1
06:40 AM - 06:45 AM	54.1	45.4	09:20 AM - 09:25 AM	52.0	45.7	12:00 PM - 12:05 PM	54.9	46.6
06:45 AM - 06:50 AM	60.5	47.9	09:25 AM - 09:30 AM	52.4	45.9	12:05 PM - 12:10 PM	51.8	47.0
06:50 AM - 06:55 AM	54.5	47.4	09:30 AM - 09:35 AM	53.8	46.0	12:10 PM - 12:15 PM	52.6	48.0
06:55 AM - 07:00 AM	56.5	47.4	09:35 AM - 09:40 AM	51.9	45.5	12:15 PM - 12:20 PM	52.6	48.8
07:00 AM - 07:05 AM	52.6	46.4	09:40 AM - 09:45 AM	50.7	44.9	12:20 PM - 12:25 PM	52.0	47.0
07:05 AM - 07:10 AM	56.2	45.3	09:45 AM - 09:50 AM	54.2	44.5	12:25 PM - 12:30 PM	52.2	48.9
07:10 AM - 07:15 AM	56.5	50.6	09:50 AM - 09:55 AM	54.3	45.4	12:30 PM - 12:35 PM	52.0	48.4
07:15 AM - 07:20 AM	56.8	42.6	09:55 AM - 10:00 AM	53.5	45.4	12:35 PM - 12:40 PM	51.7	46.6
07:20 AM - 07:25 AM	56.8	44.8	10:00 AM - 10:05 AM	52.4	45.5	12:40 PM - 12:45 PM	47.4	44.7
07:25 AM - 07:30 AM	49.9	42.6	10:05 AM - 10:10 AM	53.3	47.1	12:45 PM - 12:50 PM	48.5	44.9
07:30 AM - 07:35 AM	52.3	43.7	10:10 AM - 10:15 AM	52.9	45.6	12:50 PM - 12:55 PM	50.5	45.2
07:35 AM - 07:40 AM	53.0	44.0	10:15 AM - 10:20 AM	54.0	45.4	12:55 PM - 01:00 PM	52.4	47.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419211-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-14  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแขวง (N2)  
**Measurement Date** : Sep 25 - Sep 26, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 PM - 01:05 PM	51.8	45.9	03:40 PM - 03:45 PM	52.8	49.8	06:20 PM - 06:25 PM	46.4	41.9
01:05 PM - 01:10 PM	53.3	47.7	03:45 PM - 03:50 PM	51.9	48.9	06:25 PM - 06:30 PM	54.2	42.6
01:10 PM - 01:15 PM	49.4	46.7	03:50 PM - 03:55 PM	55.2	49.6	06:30 PM - 06:35 PM	47.6	44.4
01:15 PM - 01:20 PM	50.0	46.8	03:55 PM - 04:00 PM	54.9	49.9	06:35 PM - 06:40 PM	47.6	45.0
01:20 PM - 01:25 PM	52.3	48.2	04:00 PM - 04:05 PM	56.0	49.5	06:40 PM - 06:45 PM	48.2	44.7
01:25 PM - 01:30 PM	53.0	49.7	04:05 PM - 04:10 PM	54.6	50.0	06:45 PM - 06:50 PM	47.4	45.1
01:30 PM - 01:35 PM	53.1	49.9	04:10 PM - 04:15 PM	53.9	49.7	06:50 PM - 06:55 PM	49.2	44.1
01:35 PM - 01:40 PM	53.0	50.1	04:15 PM - 04:20 PM	51.3	49.0	06:55 PM - 07:00 PM	50.1	46.6
01:40 PM - 01:45 PM	53.5	50.2	04:20 PM - 04:25 PM	51.4	48.0	07:00 PM - 07:05 PM	50.2	47.1
01:45 PM - 01:50 PM	53.6	50.5	04:25 PM - 04:30 PM	50.6	47.6	07:05 PM - 07:10 PM	50.2	45.3
01:50 PM - 01:55 PM	52.6	49.6	04:30 PM - 04:35 PM	50.6	47.9	07:10 PM - 07:15 PM	49.3	45.1
01:55 PM - 02:00 PM	51.8	49.6	04:35 PM - 04:40 PM	57.6	46.7	07:15 PM - 07:20 PM	52.9	45.1
02:00 PM - 02:05 PM	53.2	50.5	04:40 PM - 04:45 PM	61.6	47.9	07:20 PM - 07:25 PM	53.5	45.2
02:05 PM - 02:10 PM	54.9	51.6	04:45 PM - 04:50 PM	50.2	46.9	07:25 PM - 07:30 PM	53.2	45.3
02:10 PM - 02:15 PM	53.9	51.2	04:50 PM - 04:55 PM	51.5	47.0	07:30 PM - 07:35 PM	51.0	44.3
02:15 PM - 02:20 PM	53.7	51.3	04:55 PM - 05:00 PM	49.7	46.2	07:35 PM - 07:40 PM	50.7	44.2
02:20 PM - 02:25 PM	55.4	51.8	05:00 PM - 05:05 PM	50.2	45.4	07:40 PM - 07:45 PM	48.4	42.6
02:25 PM - 02:30 PM	55.8	51.7	05:05 PM - 05:10 PM	48.4	45.7	07:45 PM - 07:50 PM	47.3	43.2
02:30 PM - 02:35 PM	56.5	51.4	05:10 PM - 05:15 PM	48.8	45.8	07:50 PM - 07:55 PM	46.9	43.4
02:35 PM - 02:40 PM	54.2	51.1	05:15 PM - 05:20 PM	48.1	44.5	07:55 PM - 08:00 PM	53.6	44.8
02:40 PM - 02:45 PM	55.3	50.5	05:20 PM - 05:25 PM	49.8	44.7	08:00 PM - 08:05 PM	49.9	45.1
02:45 PM - 02:50 PM	56.2	50.5	05:25 PM - 05:30 PM	50.7	44.8	08:05 PM - 08:10 PM	49.2	44.1
02:50 PM - 02:55 PM	58.7	50.2	05:30 PM - 05:35 PM	48.0	44.4	08:10 PM - 08:15 PM	49.5	44.1
02:55 PM - 03:00 PM	69.1	51.9	05:35 PM - 05:40 PM	49.6	44.5	08:15 PM - 08:20 PM	50.2	43.4
03:00 PM - 03:05 PM	51.9	48.9	05:40 PM - 05:45 PM	48.6	45.3	08:20 PM - 08:25 PM	46.5	42.3
03:05 PM - 03:10 PM	54.8	48.9	05:45 PM - 05:50 PM	61.9	44.3	08:25 PM - 08:30 PM	50.6	41.8
03:10 PM - 03:15 PM	52.8	49.1	05:50 PM - 05:55 PM	48.5	43.3	08:30 PM - 08:35 PM	47.1	41.8
03:15 PM - 03:20 PM	53.4	49.1	05:55 PM - 06:00 PM	50.0	43.2	08:35 PM - 08:40 PM	44.0	41.0
03:20 PM - 03:25 PM	55.6	50.6	06:00 PM - 06:05 PM	47.3	44.0	08:40 PM - 08:45 PM	45.4	40.9
03:25 PM - 03:30 PM	58.0	51.4	06:05 PM - 06:10 PM	46.1	42.9	08:45 PM - 08:50 PM	49.4	42.7
03:30 PM - 03:35 PM	52.9	49.4	06:10 PM - 06:15 PM	52.3	43.9	08:50 PM - 08:55 PM	50.1	45.2
03:35 PM - 03:40 PM	51.2	48.8	06:15 PM - 06:20 PM	49.7	43.2	08:55 PM - 09:00 PM	48.2	45.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419211-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-14  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 25 - Sep 26, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 25, 2025	Leq	L90	Sep 25 - Sep 26, 2025	Leq	L90	Sep 26, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 PM - 09:05 PM	52.8	47.8	11:40 PM - 11:45 PM	49.4	43.1	02:20 AM - 02:25 AM	47.6	42.7
09:05 PM - 09:10 PM	54.9	47.1	11:45 PM - 11:50 PM	52.5	43.0	02:25 AM - 02:30 AM	46.6	42.8
09:10 PM - 09:15 PM	52.4	45.1	11:50 PM - 11:55 PM	53.2	41.7	02:30 AM - 02:35 AM	48.3	43.6
09:15 PM - 09:20 PM	51.6	43.7	11:55 PM - 12:00 AM	54.8	42.7	02:35 AM - 02:40 AM	47.0	42.2
09:20 PM - 09:25 PM	56.9	49.1	12:00 AM - 12:05 AM	50.0	43.0	02:40 AM - 02:45 AM	46.7	42.9
09:25 PM - 09:30 PM	56.1	49.8	12:05 AM - 12:10 AM	51.1	43.5	02:45 AM - 02:50 AM	49.4	42.4
09:30 PM - 09:35 PM	53.9	48.1	12:10 AM - 12:15 AM	51.1	42.8	02:50 AM - 02:55 AM	48.2	41.9
09:35 PM - 09:40 PM	51.0	40.4	12:15 AM - 12:20 AM	50.4	41.7	02:55 AM - 03:00 AM	51.4	43.0
09:40 PM - 09:45 PM	47.9	40.3	12:20 AM - 12:25 AM	46.8	41.5	03:00 AM - 03:05 AM	53.4	44.6
09:45 PM - 09:50 PM	53.1	40.1	12:25 AM - 12:30 AM	48.9	41.4	03:05 AM - 03:10 AM	50.9	42.7
09:50 PM - 09:55 PM	56.7	40.1	12:30 AM - 12:35 AM	48.4	42.5	03:10 AM - 03:15 AM	51.1	42.5
09:55 PM - 10:00 PM	53.0	42.0	12:35 AM - 12:40 AM	50.5	42.7	03:15 AM - 03:20 AM	51.6	42.5
10:00 PM - 10:05 PM	53.1	50.1	12:40 AM - 12:45 AM	51.3	41.7	03:20 AM - 03:25 AM	46.2	42.4
10:05 PM - 10:10 PM	51.3	48.2	12:45 AM - 12:50 AM	50.4	41.9	03:25 AM - 03:30 AM	48.7	43.1
10:10 PM - 10:15 PM	50.0	46.2	12:50 AM - 12:55 AM	53.6	44.7	03:30 AM - 03:35 AM	57.5	42.6
10:15 PM - 10:20 PM	48.0	44.0	12:55 AM - 01:00 AM	48.2	44.6	03:35 AM - 03:40 AM	50.4	42.2
10:20 PM - 10:25 PM	51.4	42.8	01:00 AM - 01:05 AM	49.9	44.8	03:40 AM - 03:45 AM	47.1	41.6
10:25 PM - 10:30 PM	48.8	45.2	01:05 AM - 01:10 AM	51.2	43.5	03:45 AM - 03:50 AM	51.3	41.7
10:30 PM - 10:35 PM	49.1	45.1	01:10 AM - 01:15 AM	58.4	43.5	03:50 AM - 03:55 AM	56.8	40.9
10:35 PM - 10:40 PM	53.4	44.7	01:15 AM - 01:20 AM	59.4	43.3	03:55 AM - 04:00 AM	48.2	41.7
10:40 PM - 10:45 PM	51.2	44.1	01:20 AM - 01:25 AM	59.9	43.4	04:00 AM - 04:05 AM	47.4	42.7
10:45 PM - 10:50 PM	47.6	43.8	01:25 AM - 01:30 AM	51.8	43.6	04:05 AM - 04:10 AM	48.2	41.2
10:50 PM - 10:55 PM	52.3	44.7	01:30 AM - 01:35 AM	53.8	43.3	04:10 AM - 04:15 AM	53.8	42.0
10:55 PM - 11:00 PM	50.4	44.5	01:35 AM - 01:40 AM	56.9	43.8	04:15 AM - 04:20 AM	55.3	41.1
11:00 PM - 11:05 PM	47.8	44.6	01:40 AM - 01:45 AM	51.3	44.1	04:20 AM - 04:25 AM	54.3	41.9
11:05 PM - 11:10 PM	49.6	43.6	01:45 AM - 01:50 AM	48.2	43.3	04:25 AM - 04:30 AM	51.5	42.4
11:10 PM - 11:15 PM	49.3	43.6	01:50 AM - 01:55 AM	47.4	42.7	04:30 AM - 04:35 AM	47.1	42.0
11:15 PM - 11:20 PM	48.2	43.3	01:55 AM - 02:00 AM	48.3	43.3	04:35 AM - 04:40 AM	47.7	43.0
11:20 PM - 11:25 PM	49.0	43.7	02:00 AM - 02:05 AM	47.1	43.0	04:40 AM - 04:45 AM	49.5	41.7
11:25 PM - 11:30 PM	51.6	43.1	02:05 AM - 02:10 AM	47.9	43.1	04:45 AM - 04:50 AM	48.9	42.6
11:30 PM - 11:35 PM	49.0	43.5	02:10 AM - 02:15 AM	47.2	43.2	04:50 AM - 04:55 AM	46.7	41.5
11:35 PM - 11:40 PM	46.3	42.6	02:15 AM - 02:20 AM	49.0	42.8	04:55 AM - 05:00 AM	42.9	40.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419211-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 3 of 3

**Sample Number** : 2573111-14  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดบ้านหนองแวง (N2)  
**Measurement Date** : Sep 25 - Sep 26, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709775

Sep 26, 2025	Leq	L90	Sep 26, 2025	Leq	L90	Sep 26, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 AM - 05:05 AM	48.4	41.2	07:40 AM - 07:45 AM	48.8	42.2	10:20 AM - 10:25 AM	52.7	40.1
05:05 AM - 05:10 AM	62.4	44.7	07:45 AM - 07:50 AM	66.6	41.7	10:25 AM - 10:30 AM	57.6	39.7
05:10 AM - 05:15 AM	58.8	42.4	07:50 AM - 07:55 AM	56.2	43.7	10:30 AM - 10:35 AM	51.9	39.9
05:15 AM - 05:20 AM	50.9	42.0	07:55 AM - 08:00 AM	53.4	44.1	10:35 AM - 10:40 AM	53.5	41.5
05:20 AM - 05:25 AM	48.5	42.2	08:00 AM - 08:05 AM	47.3	42.2	10:40 AM - 10:45 AM	50.9	38.5
05:25 AM - 05:30 AM	44.7	42.0	08:05 AM - 08:10 AM	46.2	41.8	10:45 AM - 10:50 AM	52.8	40.9
05:30 AM - 05:35 AM	46.9	41.3	08:10 AM - 08:15 AM	50.7	41.6	10:50 AM - 10:55 AM	51.1	40.0
05:35 AM - 05:40 AM	46.7	41.7	08:15 AM - 08:20 AM	47.9	41.9	10:55 AM - 11:00 AM	54.6	39.4
05:40 AM - 05:45 AM	44.6	41.1	08:20 AM - 08:25 AM	47.2	42.7	11:00 AM - 11:05 AM	50.5	39.2
05:45 AM - 05:50 AM	48.7	42.0	08:25 AM - 08:30 AM	48.1	42.5	11:05 AM - 11:10 AM	52.1	39.0
05:50 AM - 05:55 AM	50.9	42.1	08:30 AM - 08:35 AM	47.6	41.3	11:10 AM - 11:15 AM	56.9	40.7
05:55 AM - 06:00 AM	46.0	41.9	08:35 AM - 08:40 AM	43.8	40.2	11:15 AM - 11:20 AM	45.2	38.8
06:00 AM - 06:05 AM	46.2	41.9	08:40 AM - 08:45 AM	47.4	41.6	11:20 AM - 11:25 AM	49.3	39.5
06:05 AM - 06:10 AM	47.9	41.9	08:45 AM - 08:50 AM	51.1	41.2	11:25 AM - 11:30 AM	51.1	38.9
06:10 AM - 06:15 AM	46.8	42.7	08:50 AM - 08:55 AM	47.6	41.1	11:30 AM - 11:35 AM	53.0	40.0
06:15 AM - 06:20 AM	49.2	42.2	08:55 AM - 09:00 AM	45.4	41.0	11:35 AM - 11:40 AM	54.5	40.0
06:20 AM - 06:25 AM	46.7	42.8	09:00 AM - 09:05 AM	49.1	42.3	11:40 AM - 11:45 AM	50.0	40.1
06:25 AM - 06:30 AM	45.4	41.9	09:05 AM - 09:10 AM	53.8	41.3	11:45 AM - 11:50 AM	51.1	39.5
06:30 AM - 06:35 AM	45.4	42.2	09:10 AM - 09:15 AM	53.6	43.2	11:50 AM - 11:55 AM	48.6	38.7
06:35 AM - 06:40 AM	45.1	41.6	09:15 AM - 09:20 AM	56.7	41.1	11:55 AM - 12:00 PM	49.2	39.6
06:40 AM - 06:45 AM	46.1	42.0	09:20 AM - 09:25 AM	49.7	39.5	12:00 PM - 12:05 PM	55.3	40.8
06:45 AM - 06:50 AM	45.0	41.7	09:25 AM - 09:30 AM	52.0	40.4	12:05 PM - 12:10 PM	46.2	40.7
06:50 AM - 06:55 AM	47.7	43.3	09:30 AM - 09:35 AM	50.6	39.7	12:10 PM - 12:15 PM	48.0	39.7
06:55 AM - 07:00 AM	49.2	43.1	09:35 AM - 09:40 AM	51.1	39.2	12:15 PM - 12:20 PM	47.8	39.6
07:00 AM - 07:05 AM	50.0	44.9	09:40 AM - 09:45 AM	59.7	40.7	12:20 PM - 12:25 PM	55.1	41.0
07:05 AM - 07:10 AM	56.5	44.2	09:45 AM - 09:50 AM	50.4	40.4	12:25 PM - 12:30 PM	50.4	40.5
07:10 AM - 07:15 AM	56.6	43.5	09:50 AM - 09:55 AM	51.4	39.4	12:30 PM - 12:35 PM	52.7	40.5
07:15 AM - 07:20 AM	52.7	42.6	09:55 AM - 10:00 AM	52.3	39.6	12:35 PM - 12:40 PM	49.3	39.7
07:20 AM - 07:25 AM	49.2	43.3	10:00 AM - 10:05 AM	52.1	38.9	12:40 PM - 12:45 PM	53.2	38.9
07:25 AM - 07:30 AM	45.1	41.6	10:05 AM - 10:10 AM	55.0	42.2	12:45 PM - 12:50 PM	53.8	43.3
07:30 AM - 07:35 AM	44.8	41.6	10:10 AM - 10:15 AM	52.9	38.9	12:50 PM - 12:55 PM	54.5	40.7
07:35 AM - 07:40 AM	45.4	41.3	10:15 AM - 10:20 AM	60.1	41.1	12:55 PM - 01:00 PM	69.5	62.5

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419212-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-15  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 19 - Sep 20, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 19, 2025	Leq	L90	Sep 19, 2025	Leq	L90	Sep 19, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	42.0	39.5	02:40 PM - 02:45 PM	42.2	39.0	05:20 PM - 05:25 PM	48.3	43.3
12:05 PM - 12:10 PM	41.2	38.9	02:45 PM - 02:50 PM	43.1	39.3	05:25 PM - 05:30 PM	48.2	43.7
12:10 PM - 12:15 PM	44.4	39.6	02:50 PM - 02:55 PM	41.0	38.2	05:30 PM - 05:35 PM	45.7	40.9
12:15 PM - 12:20 PM	41.9	38.4	02:55 PM - 03:00 PM	40.8	38.3	05:35 PM - 05:40 PM	47.6	41.0
12:20 PM - 12:25 PM	45.1	39.7	03:00 PM - 03:05 PM	42.8	37.7	05:40 PM - 05:45 PM	45.5	40.8
12:25 PM - 12:30 PM	49.5	38.2	03:05 PM - 03:10 PM	40.7	37.4	05:45 PM - 05:50 PM	45.0	39.8
12:30 PM - 12:35 PM	40.1	37.4	03:10 PM - 03:15 PM	41.6	38.1	05:50 PM - 05:55 PM	47.7	40.1
12:35 PM - 12:40 PM	48.5	38.6	03:15 PM - 03:20 PM	41.0	38.6	05:55 PM - 06:00 PM	42.9	40.4
12:40 PM - 12:45 PM	40.6	38.3	03:20 PM - 03:25 PM	42.9	38.1	06:00 PM - 06:05 PM	43.6	41.5
12:45 PM - 12:50 PM	43.4	38.9	03:25 PM - 03:30 PM	44.9	38.3	06:05 PM - 06:10 PM	42.9	40.7
12:50 PM - 12:55 PM	48.1	39.0	03:30 PM - 03:35 PM	47.4	39.3	06:10 PM - 06:15 PM	43.6	41.8
12:55 PM - 01:00 PM	39.9	37.5	03:35 PM - 03:40 PM	47.0	41.3	06:15 PM - 06:20 PM	44.0	41.6
01:00 PM - 01:05 PM	39.5	37.8	03:40 PM - 03:45 PM	51.2	44.7	06:20 PM - 06:25 PM	42.4	40.8
01:05 PM - 01:10 PM	44.7	37.9	03:45 PM - 03:50 PM	53.0	47.9	06:25 PM - 06:30 PM	42.6	40.8
01:10 PM - 01:15 PM	47.0	39.0	03:50 PM - 03:55 PM	66.2	54.1	06:30 PM - 06:35 PM	43.5	42.2
01:15 PM - 01:20 PM	44.2	37.9	03:55 PM - 04:00 PM	68.5	66.4	06:35 PM - 06:40 PM	44.6	42.3
01:20 PM - 01:25 PM	41.4	38.4	04:00 PM - 04:05 PM	66.4	65.5	06:40 PM - 06:45 PM	46.0	43.8
01:25 PM - 01:30 PM	49.1	38.4	04:05 PM - 04:10 PM	65.0	61.9	06:45 PM - 06:50 PM	47.2	44.7
01:30 PM - 01:35 PM	40.4	38.7	04:10 PM - 04:15 PM	62.5	59.8	06:50 PM - 06:55 PM	47.0	44.8
01:35 PM - 01:40 PM	43.3	38.4	04:15 PM - 04:20 PM	59.0	57.9	06:55 PM - 07:00 PM	45.3	43.1
01:40 PM - 01:45 PM	45.4	37.9	04:20 PM - 04:25 PM	60.0	57.4	07:00 PM - 07:05 PM	68.3	43.6
01:45 PM - 01:50 PM	44.9	40.1	04:25 PM - 04:30 PM	56.3	54.9	07:05 PM - 07:10 PM	65.7	44.5
01:50 PM - 01:55 PM	46.4	39.3	04:30 PM - 04:35 PM	58.1	55.6	07:10 PM - 07:15 PM	69.8	44.8
01:55 PM - 02:00 PM	48.2	38.6	04:35 PM - 04:40 PM	51.7	48.7	07:15 PM - 07:20 PM	61.3	43.8
02:00 PM - 02:05 PM	45.5	38.2	04:40 PM - 04:45 PM	52.9	48.2	07:20 PM - 07:25 PM	69.6	44.4
02:05 PM - 02:10 PM	43.2	38.3	04:45 PM - 04:50 PM	54.4	52.0	07:25 PM - 07:30 PM	48.9	43.4
02:10 PM - 02:15 PM	41.4	38.3	04:50 PM - 04:55 PM	48.9	45.8	07:30 PM - 07:35 PM	68.6	43.4
02:15 PM - 02:20 PM	49.1	39.7	04:55 PM - 05:00 PM	47.2	43.7	07:35 PM - 07:40 PM	59.6	42.7
02:20 PM - 02:25 PM	48.0	38.7	05:00 PM - 05:05 PM	47.2	43.1	07:40 PM - 07:45 PM	59.8	43.1
02:25 PM - 02:30 PM	49.2	39.1	05:05 PM - 05:10 PM	48.8	42.7	07:45 PM - 07:50 PM	44.3	42.9
02:30 PM - 02:35 PM	45.6	38.8	05:10 PM - 05:15 PM	46.3	41.8	07:50 PM - 07:55 PM	44.1	43.2
02:35 PM - 02:40 PM	43.8	38.4	05:15 PM - 05:20 PM	49.3	42.3	07:55 PM - 08:00 PM	59.7	43.0

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Approved by

Sarayuth Jitranont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419212-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-15  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 19 - Sep 20, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 19, 2025	Leq	L90	Sep 19 - Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	44.1	43.2	10:40 PM - 10:45 PM	48.7	47.1	01:20 AM - 01:25 AM	54.0	51.6
08:05 PM - 08:10 PM	44.4	43.3	10:45 PM - 10:50 PM	48.2	47.2	01:25 AM - 01:30 AM	52.7	48.1
08:10 PM - 08:15 PM	45.9	43.2	10:50 PM - 10:55 PM	47.7	47.1	01:30 AM - 01:35 AM	50.7	46.7
08:15 PM - 08:20 PM	49.5	47.2	10:55 PM - 11:00 PM	50.9	47.3	01:35 AM - 01:40 AM	50.8	45.9
08:20 PM - 08:25 PM	47.8	46.9	11:00 PM - 11:05 PM	47.7	46.9	01:40 AM - 01:45 AM	55.2	46.8
08:25 PM - 08:30 PM	48.9	46.7	11:05 PM - 11:10 PM	49.2	47.2	01:45 AM - 01:50 AM	47.0	43.8
08:30 PM - 08:35 PM	48.4	47.7	11:10 PM - 11:15 PM	50.6	47.3	01:50 AM - 01:55 AM	52.7	43.0
08:35 PM - 08:40 PM	47.7	46.8	11:15 PM - 11:20 PM	47.6	46.9	01:55 AM - 02:00 AM	43.8	43.0
08:40 PM - 08:45 PM	48.4	47.8	11:20 PM - 11:25 PM	47.5	46.7	02:00 AM - 02:05 AM	42.6	41.4
08:45 PM - 08:50 PM	48.7	47.9	11:25 PM - 11:30 PM	47.3	46.8	02:05 AM - 02:10 AM	41.5	40.5
08:50 PM - 08:55 PM	49.8	47.6	11:30 PM - 11:35 PM	47.8	46.4	02:10 AM - 02:15 AM	41.3	40.1
08:55 PM - 09:00 PM	49.9	48.2	11:35 PM - 11:40 PM	45.4	43.0	02:15 AM - 02:20 AM	41.0	39.8
09:00 PM - 09:05 PM	51.4	49.2	11:40 PM - 11:45 PM	43.2	42.4	02:20 AM - 02:25 AM	40.5	39.5
09:05 PM - 09:10 PM	51.3	48.8	11:45 PM - 11:50 PM	43.3	42.6	02:25 AM - 02:30 AM	40.3	39.2
09:10 PM - 09:15 PM	51.6	48.9	11:50 PM - 11:55 PM	43.7	42.5	02:30 AM - 02:35 AM	44.5	41.1
09:15 PM - 09:20 PM	51.6	49.1	11:55 PM - 12:00 AM	44.7	42.0	02:35 AM - 02:40 AM	44.8	41.6
09:20 PM - 09:25 PM	51.9	48.7	12:00 AM - 12:05 AM	43.9	42.2	02:40 AM - 02:45 AM	45.0	41.6
09:25 PM - 09:30 PM	52.1	49.0	12:05 AM - 12:10 AM	45.0	42.3	02:45 AM - 02:50 AM	47.3	42.6
09:30 PM - 09:35 PM	50.4	47.9	12:10 AM - 12:15 AM	44.2	43.2	02:50 AM - 02:55 AM	46.6	42.8
09:35 PM - 09:40 PM	51.8	49.1	12:15 AM - 12:20 AM	43.3	42.5	02:55 AM - 03:00 AM	56.0	42.2
09:40 PM - 09:45 PM	52.4	49.7	12:20 AM - 12:25 AM	43.7	42.5	03:00 AM - 03:05 AM	46.5	42.3
09:45 PM - 09:50 PM	52.7	48.9	12:25 AM - 12:30 AM	44.0	42.8	03:05 AM - 03:10 AM	43.9	41.9
09:50 PM - 09:55 PM	51.7	48.3	12:30 AM - 12:35 AM	44.1	42.7	03:10 AM - 03:15 AM	44.2	41.8
09:55 PM - 10:00 PM	51.4	47.9	12:35 AM - 12:40 AM	48.8	45.9	03:15 AM - 03:20 AM	44.8	41.8
10:00 PM - 10:05 PM	50.0	46.6	12:40 AM - 12:45 AM	46.8	45.4	03:20 AM - 03:25 AM	44.8	41.8
10:05 PM - 10:10 PM	51.8	49.2	12:45 AM - 12:50 AM	48.1	44.9	03:25 AM - 03:30 AM	44.6	41.4
10:10 PM - 10:15 PM	52.3	49.7	12:50 AM - 12:55 AM	51.1	49.6	03:30 AM - 03:35 AM	44.1	41.8
10:15 PM - 10:20 PM	52.3	49.5	12:55 AM - 01:00 AM	55.1	53.5	03:35 AM - 03:40 AM	44.6	42.3
10:20 PM - 10:25 PM	51.7	49.2	01:00 AM - 01:05 AM	53.7	52.3	03:40 AM - 03:45 AM	44.0	41.8
10:25 PM - 10:30 PM	51.6	48.8	01:05 AM - 01:10 AM	54.9	53.5	03:45 AM - 03:50 AM	43.4	41.7
10:30 PM - 10:35 PM	48.1	47.3	01:10 AM - 01:15 AM	56.6	54.7	03:50 AM - 03:55 AM	44.9	41.5
10:35 PM - 10:40 PM	48.9	47.1	01:15 AM - 01:20 AM	54.9	53.1	03:55 AM - 04:00 AM	45.5	40.2

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Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419212-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-15  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 19 - Sep 20, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	44.3	39.2	06:40 AM - 06:45 AM	49.8	40.1	09:20 AM - 09:25 AM	51.8	41.9
04:05 AM - 04:10 AM	44.4	40.0	06:45 AM - 06:50 AM	48.6	41.0	09:25 AM - 09:30 AM	48.8	39.8
04:10 AM - 04:15 AM	45.0	41.5	06:50 AM - 06:55 AM	51.1	40.9	09:30 AM - 09:35 AM	48.2	41.3
04:15 AM - 04:20 AM	45.4	41.6	06:55 AM - 07:00 AM	53.8	41.0	09:35 AM - 09:40 AM	50.1	38.4
04:20 AM - 04:25 AM	45.1	42.0	07:00 AM - 07:05 AM	53.1	40.6	09:40 AM - 09:45 AM	46.4	40.0
04:25 AM - 04:30 AM	46.9	43.1	07:05 AM - 07:10 AM	53.5	42.1	09:45 AM - 09:50 AM	47.6	40.4
04:30 AM - 04:35 AM	49.7	48.4	07:10 AM - 07:15 AM	53.4	42.7	09:50 AM - 09:55 AM	48.4	40.9
04:35 AM - 04:40 AM	51.4	48.8	07:15 AM - 07:20 AM	48.7	40.5	09:55 AM - 10:00 AM	43.5	40.2
04:40 AM - 04:45 AM	49.8	48.3	07:20 AM - 07:25 AM	53.1	42.1	10:00 AM - 10:05 AM	52.3	41.4
04:45 AM - 04:50 AM	47.7	45.4	07:25 AM - 07:30 AM	54.7	42.8	10:05 AM - 10:10 AM	50.2	40.9
04:50 AM - 04:55 AM	44.6	43.5	07:30 AM - 07:35 AM	51.8	42.8	10:10 AM - 10:15 AM	49.7	40.1
04:55 AM - 05:00 AM	44.2	42.4	07:35 AM - 07:40 AM	52.6	43.1	10:15 AM - 10:20 AM	44.0	40.0
05:00 AM - 05:05 AM	47.5	42.0	07:40 AM - 07:45 AM	54.4	42.2	10:20 AM - 10:25 AM	47.2	39.3
05:05 AM - 05:10 AM	43.5	42.0	07:45 AM - 07:50 AM	51.0	43.0	10:25 AM - 10:30 AM	47.9	39.1
05:10 AM - 05:15 AM	43.9	43.0	07:50 AM - 07:55 AM	53.1	42.1	10:30 AM - 10:35 AM	45.5	40.0
05:15 AM - 05:20 AM	44.4	42.6	07:55 AM - 08:00 AM	53.9	43.2	10:35 AM - 10:40 AM	44.9	40.9
05:20 AM - 05:25 AM	43.9	42.1	08:00 AM - 08:05 AM	48.8	40.9	10:40 AM - 10:45 AM	43.6	40.3
05:25 AM - 05:30 AM	43.7	41.9	08:05 AM - 08:10 AM	51.1	39.5	10:45 AM - 10:50 AM	47.5	40.6
05:30 AM - 05:35 AM	47.5	42.6	08:10 AM - 08:15 AM	50.5	41.4	10:50 AM - 10:55 AM	43.4	40.1
05:35 AM - 05:40 AM	46.8	42.0	08:15 AM - 08:20 AM	51.7	39.9	10:55 AM - 11:00 AM	42.9	39.1
05:40 AM - 05:45 AM	48.2	41.8	08:20 AM - 08:25 AM	53.9	40.4	11:00 AM - 11:05 AM	47.1	39.1
05:45 AM - 05:50 AM	49.3	41.3	08:25 AM - 08:30 AM	50.9	40.1	11:05 AM - 11:10 AM	48.3	40.3
05:50 AM - 05:55 AM	49.4	40.8	08:30 AM - 08:35 AM	48.7	40.5	11:10 AM - 11:15 AM	47.4	40.2
05:55 AM - 06:00 AM	46.6	40.1	08:35 AM - 08:40 AM	45.2	39.1	11:15 AM - 11:20 AM	46.2	39.1
06:00 AM - 06:05 AM	49.1	40.2	08:40 AM - 08:45 AM	44.0	38.4	11:20 AM - 11:25 AM	48.7	38.7
06:05 AM - 06:10 AM	49.1	40.2	08:45 AM - 08:50 AM	43.8	39.4	11:25 AM - 11:30 AM	45.8	38.0
06:10 AM - 06:15 AM	46.5	39.9	08:50 AM - 08:55 AM	45.5	40.9	11:30 AM - 11:35 AM	45.4	38.6
06:15 AM - 06:20 AM	50.8	41.1	08:55 AM - 09:00 AM	45.5	40.3	11:35 AM - 11:40 AM	40.7	37.6
06:20 AM - 06:25 AM	50.8	43.2	09:00 AM - 09:05 AM	51.3	43.4	11:40 AM - 11:45 AM	44.5	38.3
06:25 AM - 06:30 AM	51.6	42.4	09:05 AM - 09:10 AM	53.7	43.3	11:45 AM - 11:50 AM	50.9	40.1
06:30 AM - 06:35 AM	52.6	41.2	09:10 AM - 09:15 AM	55.0	42.3	11:50 AM - 11:55 AM	45.5	40.5
06:35 AM - 06:40 AM	50.0	40.2	09:15 AM - 09:20 AM	51.6	40.4	11:55 AM - 12:00 PM	53.7	41.1

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Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419213-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-16  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชารธรรมนิคม (N3)  
**Measurement Date** : Sep 20 - Sep 21, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90	Sep 20, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	47.9	40.2	02:40 PM - 02:45 PM	44.1	38.7	05:20 PM - 05:25 PM	48.2	40.0
12:05 PM - 12:10 PM	42.8	39.6	02:45 PM - 02:50 PM	42.1	38.3	05:25 PM - 05:30 PM	49.1	40.9
12:10 PM - 12:15 PM	40.6	38.0	02:50 PM - 02:55 PM	43.2	38.4	05:30 PM - 05:35 PM	52.6	41.4
12:15 PM - 12:20 PM	42.9	36.7	02:55 PM - 03:00 PM	39.3	37.0	05:35 PM - 05:40 PM	53.5	40.0
12:20 PM - 12:25 PM	39.1	37.0	03:00 PM - 03:05 PM	43.3	37.1	05:40 PM - 05:45 PM	52.9	40.5
12:25 PM - 12:30 PM	40.4	36.9	03:05 PM - 03:10 PM	42.5	37.1	05:45 PM - 05:50 PM	53.4	40.9
12:30 PM - 12:35 PM	42.7	38.6	03:10 PM - 03:15 PM	40.7	37.9	05:50 PM - 05:55 PM	48.9	42.0
12:35 PM - 12:40 PM	42.2	38.0	03:15 PM - 03:20 PM	51.6	38.2	05:55 PM - 06:00 PM	44.4	41.3
12:40 PM - 12:45 PM	42.1	38.1	03:20 PM - 03:25 PM	46.5	36.6	06:00 PM - 06:05 PM	44.7	41.9
12:45 PM - 12:50 PM	43.6	38.0	03:25 PM - 03:30 PM	46.4	37.1	06:05 PM - 06:10 PM	45.2	41.7
12:50 PM - 12:55 PM	48.2	38.8	03:30 PM - 03:35 PM	45.7	38.3	06:10 PM - 06:15 PM	45.9	41.9
12:55 PM - 01:00 PM	47.7	38.8	03:35 PM - 03:40 PM	41.9	38.8	06:15 PM - 06:20 PM	45.1	42.4
01:00 PM - 01:05 PM	43.3	38.1	03:40 PM - 03:45 PM	48.1	39.5	06:20 PM - 06:25 PM	47.4	42.0
01:05 PM - 01:10 PM	46.6	39.4	03:45 PM - 03:50 PM	46.4	38.7	06:25 PM - 06:30 PM	45.9	41.7
01:10 PM - 01:15 PM	41.2	39.4	03:50 PM - 03:55 PM	43.1	38.2	06:30 PM - 06:35 PM	44.1	42.7
01:15 PM - 01:20 PM	47.0	39.4	03:55 PM - 04:00 PM	40.4	36.3	06:35 PM - 06:40 PM	46.1	44.2
01:20 PM - 01:25 PM	43.5	39.8	04:00 PM - 04:05 PM	44.1	38.7	06:40 PM - 06:45 PM	46.2	44.9
01:25 PM - 01:30 PM	42.1	39.0	04:05 PM - 04:10 PM	43.1	36.6	06:45 PM - 06:50 PM	45.4	44.1
01:30 PM - 01:35 PM	47.5	38.8	04:10 PM - 04:15 PM	46.0	39.5	06:50 PM - 06:55 PM	45.4	44.0
01:35 PM - 01:40 PM	39.9	38.1	04:15 PM - 04:20 PM	45.9	39.0	06:55 PM - 07:00 PM	44.7	43.6
01:40 PM - 01:45 PM	44.3	38.3	04:20 PM - 04:25 PM	46.2	38.5	07:00 PM - 07:05 PM	44.8	43.7
01:45 PM - 01:50 PM	43.8	37.6	04:25 PM - 04:30 PM	52.9	37.9	07:05 PM - 07:10 PM	45.3	44.1
01:50 PM - 01:55 PM	39.2	37.2	04:30 PM - 04:35 PM	41.8	39.0	07:10 PM - 07:15 PM	46.4	44.6
01:55 PM - 02:00 PM	41.9	36.6	04:35 PM - 04:40 PM	47.2	40.6	07:15 PM - 07:20 PM	45.5	44.2
02:00 PM - 02:05 PM	46.8	37.2	04:40 PM - 04:45 PM	49.2	42.5	07:20 PM - 07:25 PM	45.6	44.8
02:05 PM - 02:10 PM	46.9	37.4	04:45 PM - 04:50 PM	44.1	39.5	07:25 PM - 07:30 PM	46.2	44.9
02:10 PM - 02:15 PM	40.0	37.8	04:50 PM - 04:55 PM	44.5	39.0	07:30 PM - 07:35 PM	48.5	45.3
02:15 PM - 02:20 PM	39.3	36.9	04:55 PM - 05:00 PM	43.8	38.8	07:35 PM - 07:40 PM	46.5	44.6
02:20 PM - 02:25 PM	43.0	38.3	05:00 PM - 05:05 PM	48.9	38.7	07:40 PM - 07:45 PM	46.5	45.0
02:25 PM - 02:30 PM	40.1	38.0	05:05 PM - 05:10 PM	46.1	40.1	07:45 PM - 07:50 PM	46.4	44.8
02:30 PM - 02:35 PM	39.2	37.6	05:10 PM - 05:15 PM	48.4	40.7	07:50 PM - 07:55 PM	46.5	45.0
02:35 PM - 02:40 PM	40.3	38.3	05:15 PM - 05:20 PM	48.1	39.9	07:55 PM - 08:00 PM	46.3	44.9

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419213-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-16  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 20 - Sep 21, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 20, 2025	Leq	L90	Sep 20 - Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	45.9	44.6	10:40 PM - 10:45 PM	49.1	47.0	01:20 AM - 01:25 AM	53.2	49.4
08:05 PM - 08:10 PM	65.1	44.3	10:45 PM - 10:50 PM	56.4	47.3	01:25 AM - 01:30 AM	51.8	47.4
08:10 PM - 08:15 PM	63.8	44.1	10:50 PM - 10:55 PM	49.3	47.3	01:30 AM - 01:35 AM	50.2	46.6
08:15 PM - 08:20 PM	61.9	45.4	10:55 PM - 11:00 PM	49.2	47.1	01:35 AM - 01:40 AM	52.0	48.4
08:20 PM - 08:25 PM	56.5	46.2	11:00 PM - 11:05 PM	50.1	47.3	01:40 AM - 01:45 AM	53.2	49.9
08:25 PM - 08:30 PM	56.8	46.0	11:05 PM - 11:10 PM	49.7	47.4	01:45 AM - 01:50 AM	52.7	49.0
08:30 PM - 08:35 PM	51.5	45.7	11:10 PM - 11:15 PM	61.0	45.5	01:50 AM - 01:55 AM	52.9	49.3
08:35 PM - 08:40 PM	46.6	44.9	11:15 PM - 11:20 PM	47.1	45.1	01:55 AM - 02:00 AM	51.9	47.4
08:40 PM - 08:45 PM	54.0	44.9	11:20 PM - 11:25 PM	46.6	44.6	02:00 AM - 02:05 AM	52.5	48.5
08:45 PM - 08:50 PM	49.2	45.2	11:25 PM - 11:30 PM	45.4	43.8	02:05 AM - 02:10 AM	52.0	46.3
08:50 PM - 08:55 PM	46.8	45.4	11:30 PM - 11:35 PM	44.5	43.3	02:10 AM - 02:15 AM	52.6	48.8
08:55 PM - 09:00 PM	48.2	46.0	11:35 PM - 11:40 PM	45.5	43.3	02:15 AM - 02:20 AM	53.2	50.1
09:00 PM - 09:05 PM	49.1	46.5	11:40 PM - 11:45 PM	45.8	43.5	02:20 AM - 02:25 AM	52.8	49.3
09:05 PM - 09:10 PM	48.9	46.3	11:45 PM - 11:50 PM	45.7	43.3	02:25 AM - 02:30 AM	52.8	49.5
09:10 PM - 09:15 PM	47.9	46.5	11:50 PM - 11:55 PM	46.0	43.4	02:30 AM - 02:35 AM	52.8	49.2
09:15 PM - 09:20 PM	47.8	45.4	11:55 PM - 12:00 AM	46.7	44.0	02:35 AM - 02:40 AM	52.9	49.5
09:20 PM - 09:25 PM	45.6	44.6	12:00 AM - 12:05 AM	47.9	44.7	02:40 AM - 02:45 AM	52.8	49.5
09:25 PM - 09:30 PM	46.6	44.8	12:05 AM - 12:10 AM	50.2	46.7	02:45 AM - 02:50 AM	52.7	49.0
09:30 PM - 09:35 PM	48.1	46.2	12:10 AM - 12:15 AM	51.1	47.8	02:50 AM - 02:55 AM	52.3	47.5
09:35 PM - 09:40 PM	48.0	46.2	12:15 AM - 12:20 AM	52.4	49.2	02:55 AM - 03:00 AM	48.1	41.9
09:40 PM - 09:45 PM	48.4	46.8	12:20 AM - 12:25 AM	52.6	49.3	03:00 AM - 03:05 AM	50.9	45.8
09:45 PM - 09:50 PM	48.7	46.4	12:25 AM - 12:30 AM	52.8	49.7	03:05 AM - 03:10 AM	51.2	46.0
09:50 PM - 09:55 PM	48.3	46.2	12:30 AM - 12:35 AM	51.5	48.0	03:10 AM - 03:15 AM	52.1	47.1
09:55 PM - 10:00 PM	48.3	45.8	12:35 AM - 12:40 AM	52.5	49.2	03:15 AM - 03:20 AM	51.9	47.1
10:00 PM - 10:05 PM	48.2	45.7	12:40 AM - 12:45 AM	53.0	49.8	03:20 AM - 03:25 AM	51.8	47.3
10:05 PM - 10:10 PM	48.0	45.6	12:45 AM - 12:50 AM	62.3	49.4	03:25 AM - 03:30 AM	51.3	46.0
10:10 PM - 10:15 PM	48.3	45.8	12:50 AM - 12:55 AM	58.2	49.6	03:30 AM - 03:35 AM	50.7	44.3
10:15 PM - 10:20 PM	47.9	45.5	12:55 AM - 01:00 AM	52.9	48.3	03:35 AM - 03:40 AM	50.7	44.9
10:20 PM - 10:25 PM	48.2	45.6	01:00 AM - 01:05 AM	67.0	48.5	03:40 AM - 03:45 AM	50.8	45.4
10:25 PM - 10:30 PM	48.3	46.0	01:05 AM - 01:10 AM	53.0	49.9	03:45 AM - 03:50 AM	50.6	45.3
10:30 PM - 10:35 PM	48.4	46.2	01:10 AM - 01:15 AM	52.9	49.6	03:50 AM - 03:55 AM	51.6	46.3
10:35 PM - 10:40 PM	49.0	46.9	01:15 AM - 01:20 AM	54.5	49.7	03:55 AM - 04:00 AM	51.4	46.5

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Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419213-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-16  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 20 - Sep 21, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	51.0	45.8	06:40 AM - 06:45 AM	53.3	44.1	09:20 AM - 09:25 AM	49.0	44.0
04:05 AM - 04:10 AM	51.0	45.6	06:45 AM - 06:50 AM	51.8	43.8	09:25 AM - 09:30 AM	50.0	45.3
04:10 AM - 04:15 AM	50.0	43.6	06:50 AM - 06:55 AM	55.4	44.5	09:30 AM - 09:35 AM	49.1	45.9
04:15 AM - 04:20 AM	49.4	43.1	06:55 AM - 07:00 AM	54.3	42.9	09:35 AM - 09:40 AM	50.9	45.9
04:20 AM - 04:25 AM	49.2	41.6	07:00 AM - 07:05 AM	57.2	43.8	09:40 AM - 09:45 AM	50.5	44.4
04:25 AM - 04:30 AM	50.1	43.5	07:05 AM - 07:10 AM	54.1	44.9	09:45 AM - 09:50 AM	47.9	44.0
04:30 AM - 04:35 AM	50.8	45.5	07:10 AM - 07:15 AM	51.2	41.6	09:50 AM - 09:55 AM	48.1	43.2
04:35 AM - 04:40 AM	50.9	44.0	07:15 AM - 07:20 AM	48.0	41.2	09:55 AM - 10:00 AM	47.3	43.5
04:40 AM - 04:45 AM	49.5	44.4	07:20 AM - 07:25 AM	43.2	39.4	10:00 AM - 10:05 AM	49.8	43.1
04:45 AM - 04:50 AM	51.3	45.9	07:25 AM - 07:30 AM	43.4	39.6	10:05 AM - 10:10 AM	48.9	42.8
04:50 AM - 04:55 AM	52.2	46.8	07:30 AM - 07:35 AM	44.1	39.7	10:10 AM - 10:15 AM	45.4	41.3
04:55 AM - 05:00 AM	52.2	46.7	07:35 AM - 07:40 AM	46.3	41.6	10:15 AM - 10:20 AM	47.3	40.8
05:00 AM - 05:05 AM	51.2	46.9	07:40 AM - 07:45 AM	46.3	41.3	10:20 AM - 10:25 AM	44.6	41.4
05:05 AM - 05:10 AM	48.7	44.3	07:45 AM - 07:50 AM	46.3	41.2	10:25 AM - 10:30 AM	46.0	42.9
05:10 AM - 05:15 AM	47.7	44.0	07:50 AM - 07:55 AM	48.0	42.6	10:30 AM - 10:35 AM	44.7	41.9
05:15 AM - 05:20 AM	49.6	45.2	07:55 AM - 08:00 AM	47.1	41.6	10:35 AM - 10:40 AM	43.3	41.8
05:20 AM - 05:25 AM	51.5	45.7	08:00 AM - 08:05 AM	47.7	41.2	10:40 AM - 10:45 AM	43.5	41.9
05:25 AM - 05:30 AM	54.7	44.4	08:05 AM - 08:10 AM	46.5	41.3	10:45 AM - 10:50 AM	43.2	41.5
05:30 AM - 05:35 AM	50.5	45.0	08:10 AM - 08:15 AM	47.2	41.8	10:50 AM - 10:55 AM	42.6	39.9
05:35 AM - 05:40 AM	49.5	43.8	08:15 AM - 08:20 AM	51.8	42.1	10:55 AM - 11:00 AM	44.2	39.5
05:40 AM - 05:45 AM	47.4	42.0	08:20 AM - 08:25 AM	52.3	46.3	11:00 AM - 11:05 AM	43.9	39.9
05:45 AM - 05:50 AM	47.4	41.9	08:25 AM - 08:30 AM	51.1	44.3	11:05 AM - 11:10 AM	45.6	41.3
05:50 AM - 05:55 AM	47.3	41.5	08:30 AM - 08:35 AM	49.7	42.0	11:10 AM - 11:15 AM	45.5	42.0
05:55 AM - 06:00 AM	49.8	43.0	08:35 AM - 08:40 AM	52.6	44.7	11:15 AM - 11:20 AM	44.2	41.4
06:00 AM - 06:05 AM	48.6	42.7	08:40 AM - 08:45 AM	52.6	44.0	11:20 AM - 11:25 AM	44.0	41.5
06:05 AM - 06:10 AM	47.4	42.4	08:45 AM - 08:50 AM	51.4	42.8	11:25 AM - 11:30 AM	43.2	41.5
06:10 AM - 06:15 AM	54.3	44.8	08:50 AM - 08:55 AM	49.7	42.8	11:30 AM - 11:35 AM	45.1	41.0
06:15 AM - 06:20 AM	52.5	45.7	08:55 AM - 09:00 AM	48.4	42.9	11:35 AM - 11:40 AM	44.2	41.3
06:20 AM - 06:25 AM	52.0	45.2	09:00 AM - 09:05 AM	49.4	43.2	11:40 AM - 11:45 AM	48.8	42.2
06:25 AM - 06:30 AM	60.4	46.2	09:05 AM - 09:10 AM	50.1	43.2	11:45 AM - 11:50 AM	43.5	41.5
06:30 AM - 06:35 AM	51.7	44.6	09:10 AM - 09:15 AM	46.3	42.7	11:50 AM - 11:55 AM	43.6	41.6
06:35 AM - 06:40 AM	50.9	44.0	09:15 AM - 09:20 AM	46.3	42.0	11:55 AM - 12:00 PM	43.6	39.4

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Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419214-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-17  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 21 - Sep 22, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90	Sep 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	47.8	40.5	02:40 PM - 02:45 PM	46.1	44.0	05:20 PM - 05:25 PM	48.6	40.5
12:05 PM - 12:10 PM	43.4	40.1	02:45 PM - 02:50 PM	46.0	44.2	05:25 PM - 05:30 PM	50.9	42.3
12:10 PM - 12:15 PM	43.7	41.3	02:50 PM - 02:55 PM	46.9	43.7	05:30 PM - 05:35 PM	55.0	44.3
12:15 PM - 12:20 PM	43.0	39.7	02:55 PM - 03:00 PM	47.5	43.5	05:35 PM - 05:40 PM	57.6	43.7
12:20 PM - 12:25 PM	42.2	39.8	03:00 PM - 03:05 PM	54.6	42.5	05:40 PM - 05:45 PM	56.5	43.9
12:25 PM - 12:30 PM	48.7	41.3	03:05 PM - 03:10 PM	43.7	40.8	05:45 PM - 05:50 PM	57.7	43.3
12:30 PM - 12:35 PM	45.8	40.0	03:10 PM - 03:15 PM	43.5	39.5	05:50 PM - 05:55 PM	56.9	44.7
12:35 PM - 12:40 PM	42.6	40.1	03:15 PM - 03:20 PM	42.3	39.9	05:55 PM - 06:00 PM	48.7	42.8
12:40 PM - 12:45 PM	42.7	40.3	03:20 PM - 03:25 PM	43.3	39.1	06:00 PM - 06:05 PM	45.1	41.8
12:45 PM - 12:50 PM	43.7	40.6	03:25 PM - 03:30 PM	43.3	40.0	06:05 PM - 06:10 PM	45.3	41.8
12:50 PM - 12:55 PM	46.3	40.1	03:30 PM - 03:35 PM	46.7	39.9	06:10 PM - 06:15 PM	47.9	43.4
12:55 PM - 01:00 PM	44.5	40.7	03:35 PM - 03:40 PM	44.1	40.2	06:15 PM - 06:20 PM	46.7	41.6
01:00 PM - 01:05 PM	44.7	42.0	03:40 PM - 03:45 PM	43.4	40.9	06:20 PM - 06:25 PM	44.2	41.7
01:05 PM - 01:10 PM	43.4	41.4	03:45 PM - 03:50 PM	46.8	40.8	06:25 PM - 06:30 PM	47.5	42.3
01:10 PM - 01:15 PM	45.0	40.9	03:50 PM - 03:55 PM	48.9	42.6	06:30 PM - 06:35 PM	45.4	43.0
01:15 PM - 01:20 PM	50.4	40.8	03:55 PM - 04:00 PM	47.4	41.1	06:35 PM - 06:40 PM	53.6	47.7
01:20 PM - 01:25 PM	44.4	40.8	04:00 PM - 04:05 PM	46.6	40.7	06:40 PM - 06:45 PM	55.2	53.7
01:25 PM - 01:30 PM	43.0	39.4	04:05 PM - 04:10 PM	51.2	41.7	06:45 PM - 06:50 PM	52.4	43.5
01:30 PM - 01:35 PM	47.2	40.0	04:10 PM - 04:15 PM	49.8	41.2	06:50 PM - 06:55 PM	53.0	43.9
01:35 PM - 01:40 PM	42.5	38.8	04:15 PM - 04:20 PM	45.6	41.0	06:55 PM - 07:00 PM	55.2	52.8
01:40 PM - 01:45 PM	42.4	39.6	04:20 PM - 04:25 PM	45.8	42.1	07:00 PM - 07:05 PM	54.4	53.0
01:45 PM - 01:50 PM	45.2	40.4	04:25 PM - 04:30 PM	46.4	40.3	07:05 PM - 07:10 PM	56.4	54.2
01:50 PM - 01:55 PM	45.1	41.4	04:30 PM - 04:35 PM	46.8	40.2	07:10 PM - 07:15 PM	56.3	54.9
01:55 PM - 02:00 PM	44.6	41.8	04:35 PM - 04:40 PM	46.7	41.6	07:15 PM - 07:20 PM	45.6	43.6
02:00 PM - 02:05 PM	45.8	42.5	04:40 PM - 04:45 PM	47.1	43.0	07:20 PM - 07:25 PM	46.4	44.1
02:05 PM - 02:10 PM	45.8	42.4	04:45 PM - 04:50 PM	46.8	42.5	07:25 PM - 07:30 PM	46.8	44.6
02:10 PM - 02:15 PM	43.8	41.3	04:50 PM - 04:55 PM	46.7	41.3	07:30 PM - 07:35 PM	46.9	44.5
02:15 PM - 02:20 PM	45.9	42.9	04:55 PM - 05:00 PM	50.4	40.4	07:35 PM - 07:40 PM	50.8	45.3
02:20 PM - 02:25 PM	49.7	43.9	05:00 PM - 05:05 PM	48.5	41.1	07:40 PM - 07:45 PM	48.1	45.8
02:25 PM - 02:30 PM	48.3	43.2	05:05 PM - 05:10 PM	49.4	42.4	07:45 PM - 07:50 PM	53.0	45.7
02:30 PM - 02:35 PM	46.4	42.5	05:10 PM - 05:15 PM	50.2	41.1	07:50 PM - 07:55 PM	55.1	45.3
02:35 PM - 02:40 PM	45.5	43.6	05:15 PM - 05:20 PM	47.8	41.6	07:55 PM - 08:00 PM	46.7	45.2

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419214-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-17  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 21 - Sep 22, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 21, 2025	Leq	L90	Sep 21 - Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	48.5	44.9	10:40 PM - 10:45 PM	46.4	45.5	01:20 AM - 01:25 AM	46.8	44.6
08:05 PM - 08:10 PM	49.0	45.6	10:45 PM - 10:50 PM	47.4	45.8	01:25 AM - 01:30 AM	46.6	44.3
08:10 PM - 08:15 PM	48.1	46.3	10:50 PM - 10:55 PM	48.7	46.8	01:30 AM - 01:35 AM	46.5	44.3
08:15 PM - 08:20 PM	48.7	46.5	10:55 PM - 11:00 PM	49.4	47.5	01:35 AM - 01:40 AM	46.8	44.6
08:20 PM - 08:25 PM	48.4	46.1	11:00 PM - 11:05 PM	49.1	46.9	01:40 AM - 01:45 AM	46.7	44.3
08:25 PM - 08:30 PM	48.9	46.7	11:05 PM - 11:10 PM	50.3	48.2	01:45 AM - 01:50 AM	47.0	44.7
08:30 PM - 08:35 PM	50.1	47.3	11:10 PM - 11:15 PM	48.5	46.3	01:50 AM - 01:55 AM	43.5	41.7
08:35 PM - 08:40 PM	49.6	46.9	11:15 PM - 11:20 PM	48.5	46.3	01:55 AM - 02:00 AM	43.3	41.3
08:40 PM - 08:45 PM	47.8	45.8	11:20 PM - 11:25 PM	47.5	45.8	02:00 AM - 02:05 AM	45.2	41.6
08:45 PM - 08:50 PM	46.8	45.5	11:25 PM - 11:30 PM	61.6	45.7	02:05 AM - 02:10 AM	43.6	41.2
08:50 PM - 08:55 PM	51.8	47.1	11:30 PM - 11:35 PM	47.4	46.0	02:10 AM - 02:15 AM	42.8	41.3
08:55 PM - 09:00 PM	48.9	47.6	11:35 PM - 11:40 PM	54.3	45.8	02:15 AM - 02:20 AM	42.3	41.0
09:00 PM - 09:05 PM	48.7	47.8	11:40 PM - 11:45 PM	47.7	46.0	02:20 AM - 02:25 AM	42.7	41.2
09:05 PM - 09:10 PM	49.1	47.8	11:45 PM - 11:50 PM	48.1	46.3	02:25 AM - 02:30 AM	43.8	41.3
09:10 PM - 09:15 PM	48.4	47.2	11:50 PM - 11:55 PM	47.1	45.2	02:30 AM - 02:35 AM	42.4	40.1
09:15 PM - 09:20 PM	50.0	47.3	11:55 PM - 12:00 AM	48.4	46.1	02:35 AM - 02:40 AM	42.2	39.9
09:20 PM - 09:25 PM	48.0	47.1	12:00 AM - 12:05 AM	50.3	47.7	02:40 AM - 02:45 AM	42.4	40.0
09:25 PM - 09:30 PM	46.9	46.2	12:05 AM - 12:10 AM	53.9	48.7	02:45 AM - 02:50 AM	51.8	40.5
09:30 PM - 09:35 PM	46.5	45.9	12:10 AM - 12:15 AM	50.9	47.8	02:50 AM - 02:55 AM	42.6	39.1
09:35 PM - 09:40 PM	46.4	45.6	12:15 AM - 12:20 AM	49.9	47.8	02:55 AM - 03:00 AM	39.9	38.5
09:40 PM - 09:45 PM	47.5	45.8	12:20 AM - 12:25 AM	49.9	47.7	03:00 AM - 03:05 AM	41.6	39.2
09:45 PM - 09:50 PM	46.7	44.3	12:25 AM - 12:30 AM	50.0	47.8	03:05 AM - 03:10 AM	38.9	37.7
09:50 PM - 09:55 PM	43.7	42.6	12:30 AM - 12:35 AM	52.9	48.1	03:10 AM - 03:15 AM	39.7	38.4
09:55 PM - 10:00 PM	44.1	42.9	12:35 AM - 12:40 AM	50.1	47.7	03:15 AM - 03:20 AM	40.0	38.6
10:00 PM - 10:05 PM	53.7	43.2	12:40 AM - 12:45 AM	50.5	48.5	03:20 AM - 03:25 AM	44.0	39.3
10:05 PM - 10:10 PM	50.2	45.2	12:45 AM - 12:50 AM	50.6	48.6	03:25 AM - 03:30 AM	40.6	39.1
10:10 PM - 10:15 PM	52.4	46.0	12:50 AM - 12:55 AM	49.7	47.5	03:30 AM - 03:35 AM	40.5	38.5
10:15 PM - 10:20 PM	46.5	45.7	12:55 AM - 01:00 AM	50.4	48.0	03:35 AM - 03:40 AM	40.7	39.1
10:20 PM - 10:25 PM	46.8	46.0	01:00 AM - 01:05 AM	49.2	46.1	03:40 AM - 03:45 AM	40.6	39.2
10:25 PM - 10:30 PM	47.3	46.2	01:05 AM - 01:10 AM	46.8	43.6	03:45 AM - 03:50 AM	44.4	38.8
10:30 PM - 10:35 PM	47.3	46.0	01:10 AM - 01:15 AM	45.9	43.1	03:50 AM - 03:55 AM	41.3	38.8
10:35 PM - 10:40 PM	47.7	46.0	01:15 AM - 01:20 AM	46.5	44.2	03:55 AM - 04:00 AM	41.9	39.5

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419214-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 3 of 3

**Sample Number** : 2573111-17  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 21 - Sep 22, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	41.1	39.2	06:40 AM - 06:45 AM	50.1	42.8	09:20 AM - 09:25 AM	52.3	44.8
04:05 AM - 04:10 AM	44.8	40.0	06:45 AM - 06:50 AM	55.6	42.7	09:25 AM - 09:30 AM	49.2	44.9
04:10 AM - 04:15 AM	41.9	39.8	06:50 AM - 06:55 AM	49.1	41.9	09:30 AM - 09:35 AM	47.0	44.4
04:15 AM - 04:20 AM	41.1	39.1	06:55 AM - 07:00 AM	50.1	42.8	09:35 AM - 09:40 AM	46.2	44.1
04:20 AM - 04:25 AM	42.8	39.3	07:00 AM - 07:05 AM	53.4	45.9	09:40 AM - 09:45 AM	51.5	44.8
04:25 AM - 04:30 AM	42.7	40.3	07:05 AM - 07:10 AM	50.4	44.6	09:45 AM - 09:50 AM	50.6	45.5
04:30 AM - 04:35 AM	42.6	40.5	07:10 AM - 07:15 AM	49.2	41.9	09:50 AM - 09:55 AM	50.7	46.3
04:35 AM - 04:40 AM	42.5	40.4	07:15 AM - 07:20 AM	48.8	42.4	09:55 AM - 10:00 AM	51.6	46.5
04:40 AM - 04:45 AM	42.3	40.3	07:20 AM - 07:25 AM	48.5	43.2	10:00 AM - 10:05 AM	49.3	44.8
04:45 AM - 04:50 AM	42.8	40.6	07:25 AM - 07:30 AM	48.4	44.2	10:05 AM - 10:10 AM	47.7	44.6
04:50 AM - 04:55 AM	44.1	41.5	07:30 AM - 07:35 AM	47.0	43.3	10:10 AM - 10:15 AM	48.5	45.8
04:55 AM - 05:00 AM	44.1	41.5	07:35 AM - 07:40 AM	49.0	44.4	10:15 AM - 10:20 AM	47.8	45.2
05:00 AM - 05:05 AM	45.7	43.1	07:40 AM - 07:45 AM	49.8	45.8	10:20 AM - 10:25 AM	47.9	45.3
05:05 AM - 05:10 AM	44.6	41.6	07:45 AM - 07:50 AM	48.4	44.1	10:25 AM - 10:30 AM	50.3	47.0
05:10 AM - 05:15 AM	43.6	41.2	07:50 AM - 07:55 AM	49.7	45.5	10:30 AM - 10:35 AM	53.2	46.5
05:15 AM - 05:20 AM	45.9	41.8	07:55 AM - 08:00 AM	49.8	43.1	10:35 AM - 10:40 AM	52.5	46.0
05:20 AM - 05:25 AM	43.1	41.3	08:00 AM - 08:05 AM	52.1	44.2	10:40 AM - 10:45 AM	48.2	45.0
05:25 AM - 05:30 AM	45.1	41.3	08:05 AM - 08:10 AM	50.2	43.7	10:45 AM - 10:50 AM	48.4	44.2
05:30 AM - 05:35 AM	44.1	40.4	08:10 AM - 08:15 AM	49.9	44.3	10:50 AM - 10:55 AM	48.2	44.3
05:35 AM - 05:40 AM	46.7	41.2	08:15 AM - 08:20 AM	52.8	46.0	10:55 AM - 11:00 AM	46.1	43.9
05:40 AM - 05:45 AM	47.8	41.8	08:20 AM - 08:25 AM	52.9	46.3	11:00 AM - 11:05 AM	47.2	42.5
05:45 AM - 05:50 AM	46.7	41.6	08:25 AM - 08:30 AM	54.5	47.3	11:05 AM - 11:10 AM	46.8	43.9
05:50 AM - 05:55 AM	47.8	42.3	08:30 AM - 08:35 AM	51.6	44.8	11:10 AM - 11:15 AM	46.7	43.3
05:55 AM - 06:00 AM	46.7	41.6	08:35 AM - 08:40 AM	50.6	45.0	11:15 AM - 11:20 AM	44.8	41.9
06:00 AM - 06:05 AM	48.9	42.2	08:40 AM - 08:45 AM	48.6	44.0	11:20 AM - 11:25 AM	45.8	43.4
06:05 AM - 06:10 AM	49.3	42.2	08:45 AM - 08:50 AM	48.1	44.7	11:25 AM - 11:30 AM	45.7	42.5
06:10 AM - 06:15 AM	50.7	41.7	08:50 AM - 08:55 AM	50.0	44.9	11:30 AM - 11:35 AM	45.7	42.5
06:15 AM - 06:20 AM	51.5	44.3	08:55 AM - 09:00 AM	52.3	46.9	11:35 AM - 11:40 AM	48.8	43.4
06:20 AM - 06:25 AM	55.0	45.9	09:00 AM - 09:05 AM	52.2	45.9	11:40 AM - 11:45 AM	47.4	44.1
06:25 AM - 06:30 AM	54.0	44.6	09:05 AM - 09:10 AM	54.3	47.2	11:45 AM - 11:50 AM	44.6	43.0
06:30 AM - 06:35 AM	54.4	43.4	09:10 AM - 09:15 AM	51.7	45.8	11:50 AM - 11:55 AM	45.2	42.7
06:35 AM - 06:40 AM	53.7	44.8	09:15 AM - 09:20 AM	50.2	45.7	11:55 AM - 12:00 PM	47.4	44.9

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419215-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-18  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชารธรรมนิคม (N3)  
**Measurement Date** : Sep 22 - Sep 23, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90	Sep 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	48.6	43.1	02:40 PM - 02:45 PM	48.2	45.5	05:20 PM - 05:25 PM	56.1	54.7
12:05 PM - 12:10 PM	51.6	43.2	02:45 PM - 02:50 PM	48.0	45.4	05:25 PM - 05:30 PM	55.7	54.6
12:10 PM - 12:15 PM	48.7	43.7	02:50 PM - 02:55 PM	48.3	46.3	05:30 PM - 05:35 PM	54.5	52.5
12:15 PM - 12:20 PM	45.3	43.0	02:55 PM - 03:00 PM	47.5	45.1	05:35 PM - 05:40 PM	54.8	53.0
12:20 PM - 12:25 PM	46.0	42.8	03:00 PM - 03:05 PM	46.3	44.4	05:40 PM - 05:45 PM	55.8	54.8
12:25 PM - 12:30 PM	46.7	43.5	03:05 PM - 03:10 PM	48.2	43.4	05:45 PM - 05:50 PM	57.5	54.9
12:30 PM - 12:35 PM	48.3	44.6	03:10 PM - 03:15 PM	48.4	43.2	05:50 PM - 05:55 PM	55.4	54.3
12:35 PM - 12:40 PM	48.5	44.6	03:15 PM - 03:20 PM	45.2	43.1	05:55 PM - 06:00 PM	57.2	53.7
12:40 PM - 12:45 PM	47.3	43.1	03:20 PM - 03:25 PM	45.8	43.1	06:00 PM - 06:05 PM	55.2	54.0
12:45 PM - 12:50 PM	49.5	44.7	03:25 PM - 03:30 PM	46.0	43.1	06:05 PM - 06:10 PM	52.9	51.4
12:50 PM - 12:55 PM	46.4	44.2	03:30 PM - 03:35 PM	48.1	43.9	06:10 PM - 06:15 PM	50.0	48.8
12:55 PM - 01:00 PM	48.3	45.1	03:35 PM - 03:40 PM	49.2	46.3	06:15 PM - 06:20 PM	49.0	48.0
01:00 PM - 01:05 PM	47.8	44.6	03:40 PM - 03:45 PM	50.8	47.8	06:20 PM - 06:25 PM	48.4	47.3
01:05 PM - 01:10 PM	49.0	44.9	03:45 PM - 03:50 PM	51.7	49.0	06:25 PM - 06:30 PM	47.4	46.5
01:10 PM - 01:15 PM	47.4	44.0	03:50 PM - 03:55 PM	50.8	48.7	06:30 PM - 06:35 PM	46.5	45.6
01:15 PM - 01:20 PM	49.1	45.5	03:55 PM - 04:00 PM	49.6	47.8	06:35 PM - 06:40 PM	45.3	44.3
01:20 PM - 01:25 PM	49.3	45.6	04:00 PM - 04:05 PM	50.6	48.0	06:40 PM - 06:45 PM	48.4	44.1
01:25 PM - 01:30 PM	49.5	46.0	04:05 PM - 04:10 PM	51.7	48.5	06:45 PM - 06:50 PM	45.0	43.3
01:30 PM - 01:35 PM	47.5	44.1	04:10 PM - 04:15 PM	52.2	50.3	06:50 PM - 06:55 PM	43.8	42.4
01:35 PM - 01:40 PM	48.3	44.5	04:15 PM - 04:20 PM	54.7	53.0	06:55 PM - 07:00 PM	43.0	41.5
01:40 PM - 01:45 PM	50.8	44.6	04:20 PM - 04:25 PM	55.9	54.1	07:00 PM - 07:05 PM	43.3	41.6
01:45 PM - 01:50 PM	53.6	44.7	04:25 PM - 04:30 PM	55.4	53.2	07:05 PM - 07:10 PM	42.2	41.2
01:50 PM - 01:55 PM	52.3	44.4	04:30 PM - 04:35 PM	54.8	53.3	07:10 PM - 07:15 PM	44.2	41.0
01:55 PM - 02:00 PM	53.2	46.6	04:35 PM - 04:40 PM	56.8	55.2	07:15 PM - 07:20 PM	43.8	42.0
02:00 PM - 02:05 PM	58.3	46.4	04:40 PM - 04:45 PM	58.5	56.8	07:20 PM - 07:25 PM	44.6	42.0
02:05 PM - 02:10 PM	50.3	45.8	04:45 PM - 04:50 PM	57.3	56.2	07:25 PM - 07:30 PM	45.8	42.4
02:10 PM - 02:15 PM	48.5	45.4	04:50 PM - 04:55 PM	56.9	54.9	07:30 PM - 07:35 PM	43.7	40.3
02:15 PM - 02:20 PM	48.3	45.8	04:55 PM - 05:00 PM	55.8	54.5	07:35 PM - 07:40 PM	44.4	40.8
02:20 PM - 02:25 PM	47.2	45.6	05:00 PM - 05:05 PM	55.2	54.4	07:40 PM - 07:45 PM	52.9	42.1
02:25 PM - 02:30 PM	50.2	46.7	05:05 PM - 05:10 PM	54.8	53.4	07:45 PM - 07:50 PM	45.5	42.1
02:30 PM - 02:35 PM	52.3	47.5	05:10 PM - 05:15 PM	54.3	52.4	07:50 PM - 07:55 PM	47.4	46.7
02:35 PM - 02:40 PM	51.1	46.6	05:15 PM - 05:20 PM	56.6	54.9	07:55 PM - 08:00 PM	47.3	46.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419215-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-18  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 22 - Sep 23, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 22, 2025	Leq	L90	Sep 22 - Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	48.2	46.8	10:40 PM - 10:45 PM	48.7	47.9	01:20 AM - 01:25 AM	47.5	46.8
08:05 PM - 08:10 PM	49.9	47.3	10:45 PM - 10:50 PM	48.3	47.5	01:25 AM - 01:30 AM	48.6	48.0
08:10 PM - 08:15 PM	48.5	47.6	10:50 PM - 10:55 PM	48.2	47.4	01:30 AM - 01:35 AM	48.5	47.9
08:15 PM - 08:20 PM	48.3	47.8	10:55 PM - 11:00 PM	48.4	47.4	01:35 AM - 01:40 AM	48.5	47.7
08:20 PM - 08:25 PM	48.5	47.8	11:00 PM - 11:05 PM	49.2	47.6	01:40 AM - 01:45 AM	47.9	47.3
08:25 PM - 08:30 PM	48.1	47.6	11:05 PM - 11:10 PM	48.3	47.7	01:45 AM - 01:50 AM	48.3	47.6
08:30 PM - 08:35 PM	48.2	47.7	11:10 PM - 11:15 PM	48.2	47.7	01:50 AM - 01:55 AM	48.0	47.2
08:35 PM - 08:40 PM	48.2	47.7	11:15 PM - 11:20 PM	48.0	47.1	01:55 AM - 02:00 AM	54.2	47.1
08:40 PM - 08:45 PM	48.3	47.6	11:20 PM - 11:25 PM	48.3	47.3	02:00 AM - 02:05 AM	57.7	47.3
08:45 PM - 08:50 PM	48.0	47.5	11:25 PM - 11:30 PM	48.2	47.4	02:05 AM - 02:10 AM	58.1	57.0
08:50 PM - 08:55 PM	48.1	47.6	11:30 PM - 11:35 PM	48.6	47.8	02:10 AM - 02:15 AM	58.9	58.3
08:55 PM - 09:00 PM	47.6	42.0	11:35 PM - 11:40 PM	48.3	47.4	02:15 AM - 02:20 AM	59.1	58.4
09:00 PM - 09:05 PM	47.6	46.9	11:40 PM - 11:45 PM	48.1	47.4	02:20 AM - 02:25 AM	59.0	58.5
09:05 PM - 09:10 PM	46.6	40.4	11:45 PM - 11:50 PM	48.4	47.5	02:25 AM - 02:30 AM	59.1	58.5
09:10 PM - 09:15 PM	41.8	40.5	11:50 PM - 11:55 PM	48.5	47.9	02:30 AM - 02:35 AM	58.1	48.0
09:15 PM - 09:20 PM	42.0	40.5	11:55 PM - 12:00 AM	48.4	47.8	02:35 AM - 02:40 AM	50.2	47.1
09:20 PM - 09:25 PM	42.2	40.7	12:00 AM - 12:05 AM	48.7	48.1	02:40 AM - 02:45 AM	49.3	47.0
09:25 PM - 09:30 PM	41.8	40.8	12:05 AM - 12:10 AM	48.0	47.3	02:45 AM - 02:50 AM	56.8	47.2
09:30 PM - 09:35 PM	42.3	41.3	12:10 AM - 12:15 AM	47.6	47.0	02:50 AM - 02:55 AM	52.7	47.0
09:35 PM - 09:40 PM	45.6	41.2	12:15 AM - 12:20 AM	47.8	47.1	02:55 AM - 03:00 AM	50.3	47.6
09:40 PM - 09:45 PM	42.1	41.1	12:20 AM - 12:25 AM	47.9	47.1	03:00 AM - 03:05 AM	47.9	47.2
09:45 PM - 09:50 PM	42.6	41.5	12:25 AM - 12:30 AM	48.3	47.5	03:05 AM - 03:10 AM	48.8	47.1
09:50 PM - 09:55 PM	44.0	41.9	12:30 AM - 12:35 AM	47.8	47.2	03:10 AM - 03:15 AM	61.4	41.6
09:55 PM - 10:00 PM	48.0	41.5	12:35 AM - 12:40 AM	47.8	47.2	03:15 AM - 03:20 AM	42.3	40.2
10:00 PM - 10:05 PM	41.8	41.0	12:40 AM - 12:45 AM	47.7	47.1	03:20 AM - 03:25 AM	47.9	40.3
10:05 PM - 10:10 PM	42.0	40.7	12:45 AM - 12:50 AM	48.2	47.4	03:25 AM - 03:30 AM	42.2	40.5
10:10 PM - 10:15 PM	41.5	40.5	12:50 AM - 12:55 AM	47.9	47.2	03:30 AM - 03:35 AM	44.5	42.6
10:15 PM - 10:20 PM	43.5	41.2	12:55 AM - 01:00 AM	47.9	47.2	03:35 AM - 03:40 AM	44.7	42.3
10:20 PM - 10:25 PM	42.6	41.5	01:00 AM - 01:05 AM	47.9	47.2	03:40 AM - 03:45 AM	51.7	42.8
10:25 PM - 10:30 PM	42.4	40.9	01:05 AM - 01:10 AM	47.6	46.8	03:45 AM - 03:50 AM	45.7	43.2
10:30 PM - 10:35 PM	47.4	45.6	01:10 AM - 01:15 AM	47.5	46.8	03:50 AM - 03:55 AM	46.5	42.3
10:35 PM - 10:40 PM	48.0	47.3	01:15 AM - 01:20 AM	47.6	46.8	03:55 AM - 04:00 AM	45.3	42.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419215-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-18  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 22 - Sep 23, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	45.0	42.8	06:40 AM - 06:45 AM	54.5	44.5	09:20 AM - 09:25 AM	50.2	44.5
04:05 AM - 04:10 AM	45.5	42.9	06:45 AM - 06:50 AM	51.5	43.5	09:25 AM - 09:30 AM	50.3	44.6
04:10 AM - 04:15 AM	45.1	42.8	06:50 AM - 06:55 AM	52.5	42.5	09:30 AM - 09:35 AM	50.1	45.4
04:15 AM - 04:20 AM	46.4	43.9	06:55 AM - 07:00 AM	50.3	42.9	09:35 AM - 09:40 AM	48.0	42.5
04:20 AM - 04:25 AM	49.0	39.8	07:00 AM - 07:05 AM	53.8	43.4	09:40 AM - 09:45 AM	51.2	43.9
04:25 AM - 04:30 AM	41.9	40.1	07:05 AM - 07:10 AM	53.8	41.9	09:45 AM - 09:50 AM	52.5	45.4
04:30 AM - 04:35 AM	43.1	40.2	07:10 AM - 07:15 AM	49.7	43.2	09:50 AM - 09:55 AM	49.8	43.5
04:35 AM - 04:40 AM	56.6	54.2	07:15 AM - 07:20 AM	46.2	42.1	09:55 AM - 10:00 AM	49.4	44.6
04:40 AM - 04:45 AM	57.3	56.7	07:20 AM - 07:25 AM	50.0	41.2	10:00 AM - 10:05 AM	46.2	43.4
04:45 AM - 04:50 AM	57.7	57.0	07:25 AM - 07:30 AM	50.0	41.5	10:05 AM - 10:10 AM	48.8	44.1
04:50 AM - 04:55 AM	57.7	57.1	07:30 AM - 07:35 AM	48.0	41.5	10:10 AM - 10:15 AM	50.8	47.1
04:55 AM - 05:00 AM	57.8	57.3	07:35 AM - 07:40 AM	48.8	42.2	10:15 AM - 10:20 AM	53.4	49.8
05:00 AM - 05:05 AM	57.9	57.4	07:40 AM - 07:45 AM	49.7	41.7	10:20 AM - 10:25 AM	55.0	50.5
05:05 AM - 05:10 AM	58.0	57.6	07:45 AM - 07:50 AM	47.8	42.0	10:25 AM - 10:30 AM	51.8	45.2
05:10 AM - 05:15 AM	57.9	57.2	07:50 AM - 07:55 AM	47.6	41.3	10:30 AM - 10:35 AM	49.1	40.5
05:15 AM - 05:20 AM	57.8	57.4	07:55 AM - 08:00 AM	50.6	41.6	10:35 AM - 10:40 AM	50.9	42.3
05:20 AM - 05:25 AM	57.8	57.3	08:00 AM - 08:05 AM	53.0	42.1	10:40 AM - 10:45 AM	49.9	46.4
05:25 AM - 05:30 AM	57.8	57.2	08:05 AM - 08:10 AM	53.0	44.1	10:45 AM - 10:50 AM	59.6	49.6
05:30 AM - 05:35 AM	54.2	44.1	08:10 AM - 08:15 AM	51.4	43.7	10:50 AM - 10:55 AM	67.3	61.2
05:35 AM - 05:40 AM	51.2	44.5	08:15 AM - 08:20 AM	50.7	41.7	10:55 AM - 11:00 AM	60.8	48.2
05:40 AM - 05:45 AM	51.0	44.8	08:20 AM - 08:25 AM	47.3	41.4	11:00 AM - 11:05 AM	54.4	44.2
05:45 AM - 05:50 AM	51.7	43.9	08:25 AM - 08:30 AM	44.6	41.1	11:05 AM - 11:10 AM	49.8	41.7
05:50 AM - 05:55 AM	51.7	43.7	08:30 AM - 08:35 AM	48.6	42.6	11:10 AM - 11:15 AM	47.3	40.6
05:55 AM - 06:00 AM	55.1	44.5	08:35 AM - 08:40 AM	51.9	43.4	11:15 AM - 11:20 AM	46.2	41.2
06:00 AM - 06:05 AM	50.1	42.6	08:40 AM - 08:45 AM	50.4	43.4	11:20 AM - 11:25 AM	44.6	41.7
06:05 AM - 06:10 AM	49.4	42.3	08:45 AM - 08:50 AM	51.0	43.8	11:25 AM - 11:30 AM	45.5	42.7
06:10 AM - 06:15 AM	54.0	43.2	08:50 AM - 08:55 AM	50.4	45.0	11:30 AM - 11:35 AM	43.9	41.5
06:15 AM - 06:20 AM	54.1	44.9	08:55 AM - 09:00 AM	51.3	45.1	11:35 AM - 11:40 AM	56.2	41.5
06:20 AM - 06:25 AM	52.3	43.4	09:00 AM - 09:05 AM	52.5	45.8	11:40 AM - 11:45 AM	53.5	48.1
06:25 AM - 06:30 AM	53.1	43.5	09:05 AM - 09:10 AM	52.7	47.0	11:45 AM - 11:50 AM	50.6	49.3
06:30 AM - 06:35 AM	52.8	43.2	09:10 AM - 09:15 AM	52.3	43.4	11:50 AM - 11:55 AM	47.3	42.7
06:35 AM - 06:40 AM	52.4	42.9	09:15 AM - 09:20 AM	50.4	43.2	11:55 AM - 12:00 PM	46.5	41.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419216-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-19  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชารธรรมนิคม (N3)  
**Measurement Date** : Sep 23 - Sep 24, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90	Sep 23, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	45.6	42.4	02:40 PM - 02:45 PM	44.5	41.5	05:20 PM - 05:25 PM	48.4	41.1
12:05 PM - 12:10 PM	47.4	43.6	02:45 PM - 02:50 PM	43.5	40.7	05:25 PM - 05:30 PM	50.4	41.4
12:10 PM - 12:15 PM	45.3	42.9	02:50 PM - 02:55 PM	45.0	42.3	05:30 PM - 05:35 PM	43.6	40.8
12:15 PM - 12:20 PM	47.0	42.7	02:55 PM - 03:00 PM	45.4	41.2	05:35 PM - 05:40 PM	47.1	41.6
12:20 PM - 12:25 PM	44.9	42.3	03:00 PM - 03:05 PM	45.3	41.5	05:40 PM - 05:45 PM	46.0	41.9
12:25 PM - 12:30 PM	49.7	43.2	03:05 PM - 03:10 PM	47.8	41.5	05:45 PM - 05:50 PM	44.9	41.5
12:30 PM - 12:35 PM	48.6	42.4	03:10 PM - 03:15 PM	45.3	41.3	05:50 PM - 05:55 PM	43.2	40.9
12:35 PM - 12:40 PM	46.7	42.8	03:15 PM - 03:20 PM	44.0	42.1	05:55 PM - 06:00 PM	44.5	41.2
12:40 PM - 12:45 PM	46.8	41.3	03:20 PM - 03:25 PM	46.7	42.6	06:00 PM - 06:05 PM	45.1	41.2
12:45 PM - 12:50 PM	44.8	41.8	03:25 PM - 03:30 PM	46.6	42.0	06:05 PM - 06:10 PM	49.3	41.6
12:50 PM - 12:55 PM	47.2	43.6	03:30 PM - 03:35 PM	44.1	41.5	06:10 PM - 06:15 PM	49.0	42.7
12:55 PM - 01:00 PM	45.6	42.5	03:35 PM - 03:40 PM	46.0	42.9	06:15 PM - 06:20 PM	54.5	51.2
01:00 PM - 01:05 PM	46.5	43.2	03:40 PM - 03:45 PM	48.4	42.2	06:20 PM - 06:25 PM	54.2	51.7
01:05 PM - 01:10 PM	48.6	41.1	03:45 PM - 03:50 PM	51.6	42.1	06:25 PM - 06:30 PM	56.4	53.4
01:10 PM - 01:15 PM	49.3	40.9	03:50 PM - 03:55 PM	48.0	42.2	06:30 PM - 06:35 PM	54.7	53.5
01:15 PM - 01:20 PM	46.6	41.1	03:55 PM - 04:00 PM	45.1	42.4	06:35 PM - 06:40 PM	53.7	50.5
01:20 PM - 01:25 PM	46.9	42.7	04:00 PM - 04:05 PM	44.5	41.3	06:40 PM - 06:45 PM	51.6	49.6
01:25 PM - 01:30 PM	55.2	41.8	04:05 PM - 04:10 PM	44.6	41.7	06:45 PM - 06:50 PM	52.2	50.4
01:30 PM - 01:35 PM	49.7	42.9	04:10 PM - 04:15 PM	46.5	42.5	06:50 PM - 06:55 PM	51.5	50.2
01:35 PM - 01:40 PM	51.0	42.7	04:15 PM - 04:20 PM	49.6	42.7	06:55 PM - 07:00 PM	51.4	49.5
01:40 PM - 01:45 PM	47.0	40.7	04:20 PM - 04:25 PM	46.0	42.5	07:00 PM - 07:05 PM	51.0	49.5
01:45 PM - 01:50 PM	47.8	39.9	04:25 PM - 04:30 PM	46.5	42.4	07:05 PM - 07:10 PM	48.7	44.7
01:50 PM - 01:55 PM	42.9	41.1	04:30 PM - 04:35 PM	46.3	42.7	07:10 PM - 07:15 PM	46.2	44.4
01:55 PM - 02:00 PM	61.7	41.2	04:35 PM - 04:40 PM	48.1	42.5	07:15 PM - 07:20 PM	47.2	45.5
02:00 PM - 02:05 PM	46.2	43.8	04:40 PM - 04:45 PM	46.1	41.7	07:20 PM - 07:25 PM	48.7	45.1
02:05 PM - 02:10 PM	45.8	42.6	04:45 PM - 04:50 PM	43.6	41.4	07:25 PM - 07:30 PM	45.9	44.0
02:10 PM - 02:15 PM	44.7	41.0	04:50 PM - 04:55 PM	46.4	41.7	07:30 PM - 07:35 PM	68.4	44.7
02:15 PM - 02:20 PM	45.0	41.6	04:55 PM - 05:00 PM	46.7	43.1	07:35 PM - 07:40 PM	62.8	44.6
02:20 PM - 02:25 PM	45.5	41.7	05:00 PM - 05:05 PM	48.1	45.2	07:40 PM - 07:45 PM	46.9	44.6
02:25 PM - 02:30 PM	44.4	41.8	05:05 PM - 05:10 PM	46.6	42.0	07:45 PM - 07:50 PM	48.3	45.9
02:30 PM - 02:35 PM	47.5	41.4	05:10 PM - 05:15 PM	51.5	42.5	07:50 PM - 07:55 PM	52.5	46.9
02:35 PM - 02:40 PM	47.0	41.8	05:15 PM - 05:20 PM	48.5	41.8	07:55 PM - 08:00 PM	49.1	46.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419216-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-19  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 23 - Sep 24, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 23, 2025	Leq	L90	Sep 23 - Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	47.9	45.0	10:40 PM - 10:45 PM	45.0	42.3	01:20 AM - 01:25 AM	42.8	40.0
08:05 PM - 08:10 PM	47.9	44.2	10:45 PM - 10:50 PM	45.9	43.3	01:25 AM - 01:30 AM	41.6	39.2
08:10 PM - 08:15 PM	50.0	44.6	10:50 PM - 10:55 PM	46.1	42.7	01:30 AM - 01:35 AM	42.9	40.4
08:15 PM - 08:20 PM	50.7	45.7	10:55 PM - 11:00 PM	48.1	43.7	01:35 AM - 01:40 AM	44.2	43.4
08:20 PM - 08:25 PM	55.5	44.5	11:00 PM - 11:05 PM	46.3	43.1	01:40 AM - 01:45 AM	44.5	43.4
08:25 PM - 08:30 PM	45.8	43.2	11:05 PM - 11:10 PM	46.8	43.7	01:45 AM - 01:50 AM	44.4	43.5
08:30 PM - 08:35 PM	46.2	43.5	11:10 PM - 11:15 PM	46.8	44.2	01:50 AM - 01:55 AM	43.5	40.4
08:35 PM - 08:40 PM	45.4	42.6	11:15 PM - 11:20 PM	47.1	44.4	01:55 AM - 02:00 AM	42.4	39.7
08:40 PM - 08:45 PM	48.3	43.4	11:20 PM - 11:25 PM	46.0	42.8	02:00 AM - 02:05 AM	40.3	39.0
08:45 PM - 08:50 PM	45.5	43.5	11:25 PM - 11:30 PM	45.9	42.6	02:05 AM - 02:10 AM	41.7	39.6
08:50 PM - 08:55 PM	46.8	43.5	11:30 PM - 11:35 PM	44.1	41.9	02:10 AM - 02:15 AM	40.9	39.4
08:55 PM - 09:00 PM	45.9	43.7	11:35 PM - 11:40 PM	43.8	42.1	02:15 AM - 02:20 AM	45.4	39.5
09:00 PM - 09:05 PM	44.5	42.7	11:40 PM - 11:45 PM	43.5	41.8	02:20 AM - 02:25 AM	45.9	39.3
09:05 PM - 09:10 PM	49.4	42.3	11:45 PM - 11:50 PM	43.3	41.4	02:25 AM - 02:30 AM	43.3	39.9
09:10 PM - 09:15 PM	44.2	42.3	11:50 PM - 11:55 PM	46.3	42.1	02:30 AM - 02:35 AM	48.4	39.8
09:15 PM - 09:20 PM	44.9	42.3	11:55 PM - 12:00 AM	43.5	41.6	02:35 AM - 02:40 AM	42.8	39.7
09:20 PM - 09:25 PM	48.0	42.6	12:00 AM - 12:05 AM	43.1	41.3	02:40 AM - 02:45 AM	40.5	38.8
09:25 PM - 09:30 PM	58.1	44.8	12:05 AM - 12:10 AM	43.5	41.4	02:45 AM - 02:50 AM	40.9	39.4
09:30 PM - 09:35 PM	58.9	44.6	12:10 AM - 12:15 AM	43.7	41.9	02:50 AM - 02:55 AM	40.6	39.3
09:35 PM - 09:40 PM	58.1	45.3	12:15 AM - 12:20 AM	43.9	41.3	02:55 AM - 03:00 AM	42.0	39.8
09:40 PM - 09:45 PM	49.8	44.8	12:20 AM - 12:25 AM	66.8	39.2	03:00 AM - 03:05 AM	40.3	38.7
09:45 PM - 09:50 PM	45.9	43.2	12:25 AM - 12:30 AM	44.0	40.4	03:05 AM - 03:10 AM	41.1	39.2
09:50 PM - 09:55 PM	47.2	44.5	12:30 AM - 12:35 AM	43.7	41.9	03:10 AM - 03:15 AM	40.9	39.1
09:55 PM - 10:00 PM	46.2	43.9	12:35 AM - 12:40 AM	43.7	41.2	03:15 AM - 03:20 AM	40.8	39.2
10:00 PM - 10:05 PM	45.8	43.9	12:40 AM - 12:45 AM	42.8	41.3	03:20 AM - 03:25 AM	40.3	38.9
10:05 PM - 10:10 PM	46.0	44.4	12:45 AM - 12:50 AM	50.7	42.1	03:25 AM - 03:30 AM	41.7	38.7
10:10 PM - 10:15 PM	45.2	43.0	12:50 AM - 12:55 AM	43.7	42.3	03:30 AM - 03:35 AM	41.7	39.3
10:15 PM - 10:20 PM	45.4	43.5	12:55 AM - 01:00 AM	44.1	42.3	03:35 AM - 03:40 AM	41.1	39.4
10:20 PM - 10:25 PM	44.2	42.4	01:00 AM - 01:05 AM	43.9	42.1	03:40 AM - 03:45 AM	40.8	39.1
10:25 PM - 10:30 PM	44.2	42.5	01:05 AM - 01:10 AM	44.6	43.3	03:45 AM - 03:50 AM	40.6	38.9
10:30 PM - 10:35 PM	44.4	42.6	01:10 AM - 01:15 AM	45.3	43.2	03:50 AM - 03:55 AM	40.9	38.9
10:35 PM - 10:40 PM	44.2	42.3	01:15 AM - 01:20 AM	44.3	42.0	03:55 AM - 04:00 AM	41.9	40.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419216-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-19  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 23 - Sep 24, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	43.1	40.5	06:40 AM - 06:45 AM	54.4	42.5	09:20 AM - 09:25 AM	52.0	44.2
04:05 AM - 04:10 AM	43.3	39.5	06:45 AM - 06:50 AM	50.6	43.3	09:25 AM - 09:30 AM	50.9	45.0
04:10 AM - 04:15 AM	44.6	40.3	06:50 AM - 06:55 AM	48.8	42.2	09:30 AM - 09:35 AM	49.5	43.9
04:15 AM - 04:20 AM	41.5	38.8	06:55 AM - 07:00 AM	44.5	40.9	09:35 AM - 09:40 AM	50.4	44.2
04:20 AM - 04:25 AM	41.5	39.1	07:00 AM - 07:05 AM	47.1	41.7	09:40 AM - 09:45 AM	50.9	43.1
04:25 AM - 04:30 AM	43.4	39.6	07:05 AM - 07:10 AM	45.1	41.6	09:45 AM - 09:50 AM	50.7	43.1
04:30 AM - 04:35 AM	42.1	39.8	07:10 AM - 07:15 AM	50.9	41.1	09:50 AM - 09:55 AM	48.4	42.2
04:35 AM - 04:40 AM	44.2	39.0	07:15 AM - 07:20 AM	50.7	42.1	09:55 AM - 10:00 AM	46.3	42.0
04:40 AM - 04:45 AM	41.5	39.7	07:20 AM - 07:25 AM	51.5	43.6	10:00 AM - 10:05 AM	45.6	42.5
04:45 AM - 04:50 AM	41.8	39.9	07:25 AM - 07:30 AM	49.6	43.8	10:05 AM - 10:10 AM	46.3	43.2
04:50 AM - 04:55 AM	41.5	39.5	07:30 AM - 07:35 AM	51.8	45.1	10:10 AM - 10:15 AM	50.5	43.2
04:55 AM - 05:00 AM	41.1	39.3	07:35 AM - 07:40 AM	54.6	48.4	10:15 AM - 10:20 AM	48.1	42.2
05:00 AM - 05:05 AM	42.0	39.5	07:40 AM - 07:45 AM	52.0	44.6	10:20 AM - 10:25 AM	48.9	40.7
05:05 AM - 05:10 AM	43.6	40.2	07:45 AM - 07:50 AM	49.5	42.9	10:25 AM - 10:30 AM	53.0	42.0
05:10 AM - 05:15 AM	42.4	40.2	07:50 AM - 07:55 AM	47.8	41.9	10:30 AM - 10:35 AM	49.0	40.6
05:15 AM - 05:20 AM	43.8	41.0	07:55 AM - 08:00 AM	49.8	43.0	10:35 AM - 10:40 AM	47.9	42.6
05:20 AM - 05:25 AM	48.7	42.8	08:00 AM - 08:05 AM	51.0	45.0	10:40 AM - 10:45 AM	48.5	43.7
05:25 AM - 05:30 AM	48.8	41.7	08:05 AM - 08:10 AM	53.8	47.1	10:45 AM - 10:50 AM	46.7	41.6
05:30 AM - 05:35 AM	48.5	42.3	08:10 AM - 08:15 AM	52.2	45.6	10:50 AM - 10:55 AM	45.5	39.5
05:35 AM - 05:40 AM	46.6	41.3	08:15 AM - 08:20 AM	51.0	44.8	10:55 AM - 11:00 AM	44.5	40.5
05:40 AM - 05:45 AM	51.4	42.4	08:20 AM - 08:25 AM	48.5	42.3	11:00 AM - 11:05 AM	50.7	40.7
05:45 AM - 05:50 AM	52.6	42.6	08:25 AM - 08:30 AM	50.7	43.9	11:05 AM - 11:10 AM	50.4	39.8
05:50 AM - 05:55 AM	54.5	42.1	08:30 AM - 08:35 AM	51.2	43.8	11:10 AM - 11:15 AM	48.7	41.6
05:55 AM - 06:00 AM	54.9	43.9	08:35 AM - 08:40 AM	51.0	43.2	11:15 AM - 11:20 AM	48.7	40.3
06:00 AM - 06:05 AM	52.7	45.6	08:40 AM - 08:45 AM	50.8	44.4	11:20 AM - 11:25 AM	49.0	41.0
06:05 AM - 06:10 AM	54.5	46.4	08:45 AM - 08:50 AM	51.7	45.3	11:25 AM - 11:30 AM	45.8	41.2
06:10 AM - 06:15 AM	55.1	44.9	08:50 AM - 08:55 AM	53.3	46.1	11:30 AM - 11:35 AM	49.4	42.2
06:15 AM - 06:20 AM	54.0	42.3	08:55 AM - 09:00 AM	51.1	42.9	11:35 AM - 11:40 AM	49.9	41.8
06:20 AM - 06:25 AM	50.2	42.3	09:00 AM - 09:05 AM	46.6	41.3	11:40 AM - 11:45 AM	46.4	40.2
06:25 AM - 06:30 AM	50.8	41.8	09:05 AM - 09:10 AM	47.8	42.9	11:45 AM - 11:50 AM	47.6	41.3
06:30 AM - 06:35 AM	51.4	41.1	09:10 AM - 09:15 AM	50.8	45.2	11:50 AM - 11:55 AM	47.4	41.2
06:35 AM - 06:40 AM	52.4	40.4	09:15 AM - 09:20 AM	50.8	45.2	11:55 AM - 12:00 PM	42.0	39.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419217-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-20  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชารธรรมนิคม (N3)  
**Measurement Date** : Sep 24 - Sep 25, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90	Sep 24, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	44.6	39.5	02:40 PM - 02:45 PM	48.9	41.6	05:20 PM - 05:25 PM	47.5	42.0
12:05 PM - 12:10 PM	44.4	39.4	02:45 PM - 02:50 PM	49.5	42.7	05:25 PM - 05:30 PM	48.2	42.2
12:10 PM - 12:15 PM	44.5	39.0	02:50 PM - 02:55 PM	49.6	43.0	05:30 PM - 05:35 PM	45.7	41.8
12:15 PM - 12:20 PM	44.4	39.1	02:55 PM - 03:00 PM	45.9	41.2	05:35 PM - 05:40 PM	46.6	42.7
12:20 PM - 12:25 PM	42.3	40.1	03:00 PM - 03:05 PM	46.5	42.2	05:40 PM - 05:45 PM	45.0	41.7
12:25 PM - 12:30 PM	49.4	41.5	03:05 PM - 03:10 PM	45.9	41.8	05:45 PM - 05:50 PM	45.7	41.5
12:30 PM - 12:35 PM	43.9	40.0	03:10 PM - 03:15 PM	44.7	41.1	05:50 PM - 05:55 PM	45.1	41.6
12:35 PM - 12:40 PM	41.6	38.8	03:15 PM - 03:20 PM	51.4	41.2	05:55 PM - 06:00 PM	45.4	42.8
12:40 PM - 12:45 PM	48.0	39.5	03:20 PM - 03:25 PM	51.1	40.7	06:00 PM - 06:05 PM	45.7	42.5
12:45 PM - 12:50 PM	49.5	39.3	03:25 PM - 03:30 PM	53.2	41.6	06:05 PM - 06:10 PM	45.8	41.5
12:50 PM - 12:55 PM	48.5	38.4	03:30 PM - 03:35 PM	49.1	41.4	06:10 PM - 06:15 PM	45.6	41.5
12:55 PM - 01:00 PM	48.6	37.8	03:35 PM - 03:40 PM	45.1	41.2	06:15 PM - 06:20 PM	47.9	41.9
01:00 PM - 01:05 PM	43.3	38.0	03:40 PM - 03:45 PM	44.8	41.3	06:20 PM - 06:25 PM	48.5	41.6
01:05 PM - 01:10 PM	46.5	39.9	03:45 PM - 03:50 PM	47.5	40.5	06:25 PM - 06:30 PM	44.5	41.5
01:10 PM - 01:15 PM	48.5	39.6	03:50 PM - 03:55 PM	49.1	42.1	06:30 PM - 06:35 PM	52.6	41.3
01:15 PM - 01:20 PM	46.5	39.9	03:55 PM - 04:00 PM	48.6	41.6	06:35 PM - 06:40 PM	43.9	41.5
01:20 PM - 01:25 PM	44.4	40.6	04:00 PM - 04:05 PM	49.5	43.2	06:40 PM - 06:45 PM	43.0	41.6
01:25 PM - 01:30 PM	47.4	40.3	04:05 PM - 04:10 PM	48.9	43.3	06:45 PM - 06:50 PM	45.9	42.2
01:30 PM - 01:35 PM	42.9	40.7	04:10 PM - 04:15 PM	49.5	43.2	06:50 PM - 06:55 PM	45.8	42.5
01:35 PM - 01:40 PM	44.9	41.2	04:15 PM - 04:20 PM	48.2	43.5	06:55 PM - 07:00 PM	46.4	43.4
01:40 PM - 01:45 PM	42.5	40.2	04:20 PM - 04:25 PM	51.6	43.6	07:00 PM - 07:05 PM	47.9	43.9
01:45 PM - 01:50 PM	44.7	42.1	04:25 PM - 04:30 PM	50.7	43.9	07:05 PM - 07:10 PM	47.2	44.8
01:50 PM - 01:55 PM	49.6	42.9	04:30 PM - 04:35 PM	52.1	42.4	07:10 PM - 07:15 PM	47.1	44.2
01:55 PM - 02:00 PM	45.8	42.2	04:35 PM - 04:40 PM	54.0	43.9	07:15 PM - 07:20 PM	49.1	42.5
02:00 PM - 02:05 PM	49.8	42.1	04:40 PM - 04:45 PM	51.4	45.3	07:20 PM - 07:25 PM	48.0	44.3
02:05 PM - 02:10 PM	48.7	41.4	04:45 PM - 04:50 PM	48.7	43.5	07:25 PM - 07:30 PM	46.3	43.0
02:10 PM - 02:15 PM	49.3	41.9	04:50 PM - 04:55 PM	51.4	43.6	07:30 PM - 07:35 PM	46.2	41.9
02:15 PM - 02:20 PM	47.9	41.0	04:55 PM - 05:00 PM	50.9	42.7	07:35 PM - 07:40 PM	47.1	41.5
02:20 PM - 02:25 PM	50.1	42.7	05:00 PM - 05:05 PM	52.6	45.2	07:40 PM - 07:45 PM	46.3	41.8
02:25 PM - 02:30 PM	49.3	42.2	05:05 PM - 05:10 PM	54.8	44.0	07:45 PM - 07:50 PM	48.2	41.8
02:30 PM - 02:35 PM	49.4	44.7	05:10 PM - 05:15 PM	48.6	42.2	07:50 PM - 07:55 PM	52.1	41.8
02:35 PM - 02:40 PM	47.8	41.3	05:15 PM - 05:20 PM	54.4	42.5	07:55 PM - 08:00 PM	43.5	41.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419217-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-20  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 24 - Sep 25, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 24, 2025	Leq	L90	Sep 24 - Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	43.1	41.7	10:40 PM - 10:45 PM	46.1	42.9	01:20 AM - 01:25 AM	41.4	39.8
08:05 PM - 08:10 PM	42.8	41.6	10:45 PM - 10:50 PM	44.8	42.6	01:25 AM - 01:30 AM	40.2	39.1
08:10 PM - 08:15 PM	54.4	42.5	10:50 PM - 10:55 PM	44.6	43.0	01:30 AM - 01:35 AM	40.5	39.5
08:15 PM - 08:20 PM	48.8	42.2	10:55 PM - 11:00 PM	44.1	42.7	01:35 AM - 01:40 AM	40.5	39.3
08:20 PM - 08:25 PM	47.0	42.7	11:00 PM - 11:05 PM	45.2	43.6	01:40 AM - 01:45 AM	40.2	39.2
08:25 PM - 08:30 PM	46.3	42.3	11:05 PM - 11:10 PM	44.3	42.7	01:45 AM - 01:50 AM	39.9	38.8
08:30 PM - 08:35 PM	49.8	43.6	11:10 PM - 11:15 PM	45.4	42.2	01:50 AM - 01:55 AM	40.3	39.1
08:35 PM - 08:40 PM	46.0	43.8	11:15 PM - 11:20 PM	43.5	42.3	01:55 AM - 02:00 AM	40.7	39.3
08:40 PM - 08:45 PM	45.0	43.0	11:20 PM - 11:25 PM	43.4	42.1	02:00 AM - 02:05 AM	40.1	39.0
08:45 PM - 08:50 PM	44.4	42.3	11:25 PM - 11:30 PM	43.4	42.1	02:05 AM - 02:10 AM	40.8	39.6
08:50 PM - 08:55 PM	45.9	43.6	11:30 PM - 11:35 PM	43.5	42.2	02:10 AM - 02:15 AM	43.0	40.0
08:55 PM - 09:00 PM	43.6	41.7	11:35 PM - 11:40 PM	43.6	42.1	02:15 AM - 02:20 AM	43.9	40.4
09:00 PM - 09:05 PM	43.4	41.0	11:40 PM - 11:45 PM	43.6	42.1	02:20 AM - 02:25 AM	41.3	39.8
09:05 PM - 09:10 PM	43.3	41.5	11:45 PM - 11:50 PM	42.9	41.2	02:25 AM - 02:30 AM	41.1	39.8
09:10 PM - 09:15 PM	46.0	42.0	11:50 PM - 11:55 PM	42.9	41.4	02:30 AM - 02:35 AM	41.6	40.4
09:15 PM - 09:20 PM	44.7	42.3	11:55 PM - 12:00 AM	42.9	41.5	02:35 AM - 02:40 AM	40.3	39.1
09:20 PM - 09:25 PM	43.2	40.8	12:00 AM - 12:05 AM	43.2	41.8	02:40 AM - 02:45 AM	41.4	39.7
09:25 PM - 09:30 PM	43.2	40.7	12:05 AM - 12:10 AM	43.4	42.0	02:45 AM - 02:50 AM	41.8	39.8
09:30 PM - 09:35 PM	42.7	41.0	12:10 AM - 12:15 AM	43.2	41.7	02:50 AM - 02:55 AM	42.0	40.0
09:35 PM - 09:40 PM	45.2	41.0	12:15 AM - 12:20 AM	42.4	40.8	02:55 AM - 03:00 AM	42.1	39.9
09:40 PM - 09:45 PM	43.4	41.3	12:20 AM - 12:25 AM	44.6	39.8	03:00 AM - 03:05 AM	42.4	40.2
09:45 PM - 09:50 PM	44.0	41.2	12:25 AM - 12:30 AM	43.2	40.0	03:05 AM - 03:10 AM	41.9	40.3
09:50 PM - 09:55 PM	44.1	41.4	12:30 AM - 12:35 AM	41.1	39.6	03:10 AM - 03:15 AM	42.0	40.5
09:55 PM - 10:00 PM	44.9	42.2	12:35 AM - 12:40 AM	41.4	39.9	03:15 AM - 03:20 AM	42.4	39.9
10:00 PM - 10:05 PM	46.7	41.7	12:40 AM - 12:45 AM	41.9	40.1	03:20 AM - 03:25 AM	41.0	39.8
10:05 PM - 10:10 PM	47.0	41.8	12:45 AM - 12:50 AM	42.7	40.7	03:25 AM - 03:30 AM	40.6	39.4
10:10 PM - 10:15 PM	45.2	42.4	12:50 AM - 12:55 AM	41.7	40.2	03:30 AM - 03:35 AM	42.1	40.2
10:15 PM - 10:20 PM	44.8	42.7	12:55 AM - 01:00 AM	41.9	40.3	03:35 AM - 03:40 AM	41.2	39.9
10:20 PM - 10:25 PM	44.3	42.2	01:00 AM - 01:05 AM	42.0	40.2	03:40 AM - 03:45 AM	48.3	39.8
10:25 PM - 10:30 PM	43.7	42.3	01:05 AM - 01:10 AM	41.1	39.8	03:45 AM - 03:50 AM	56.2	41.6
10:30 PM - 10:35 PM	48.6	42.9	01:10 AM - 01:15 AM	43.0	40.3	03:50 AM - 03:55 AM	42.4	40.3
10:35 PM - 10:40 PM	46.2	42.9	01:15 AM - 01:20 AM	41.3	40.2	03:55 AM - 04:00 AM	43.2	39.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419217-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

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**Sample Number** : 2573111-20  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 24 - Sep 25, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	43.4	40.3	06:40 AM - 06:45 AM	55.8	46.5	09:20 AM - 09:25 AM	53.9	46.9
04:05 AM - 04:10 AM	42.2	39.8	06:45 AM - 06:50 AM	55.6	47.0	09:25 AM - 09:30 AM	52.2	46.7
04:10 AM - 04:15 AM	43.1	39.5	06:50 AM - 06:55 AM	58.1	50.5	09:30 AM - 09:35 AM	51.0	46.1
04:15 AM - 04:20 AM	42.0	39.1	06:55 AM - 07:00 AM	56.2	47.1	09:35 AM - 09:40 AM	50.8	45.5
04:20 AM - 04:25 AM	43.6	39.9	07:00 AM - 07:05 AM	56.1	46.5	09:40 AM - 09:45 AM	50.6	45.6
04:25 AM - 04:30 AM	42.2	40.2	07:05 AM - 07:10 AM	49.6	41.2	09:45 AM - 09:50 AM	48.7	44.3
04:30 AM - 04:35 AM	51.5	40.7	07:10 AM - 07:15 AM	50.0	41.0	09:50 AM - 09:55 AM	50.9	45.5
04:35 AM - 04:40 AM	45.3	41.6	07:15 AM - 07:20 AM	47.2	40.6	09:55 AM - 10:00 AM	53.8	47.5
04:40 AM - 04:45 AM	45.0	41.7	07:20 AM - 07:25 AM	49.6	41.1	10:00 AM - 10:05 AM	53.9	47.0
04:45 AM - 04:50 AM	43.5	41.3	07:25 AM - 07:30 AM	48.9	41.8	10:05 AM - 10:10 AM	53.2	46.1
04:50 AM - 04:55 AM	43.7	41.2	07:30 AM - 07:35 AM	50.0	42.8	10:10 AM - 10:15 AM	53.9	46.9
04:55 AM - 05:00 AM	43.5	41.2	07:35 AM - 07:40 AM	49.9	41.7	10:15 AM - 10:20 AM	53.3	45.2
05:00 AM - 05:05 AM	41.9	40.5	07:40 AM - 07:45 AM	44.5	41.4	10:20 AM - 10:25 AM	50.1	45.0
05:05 AM - 05:10 AM	43.3	40.5	07:45 AM - 07:50 AM	52.1	42.2	10:25 AM - 10:30 AM	52.7	45.3
05:10 AM - 05:15 AM	45.1	40.7	07:50 AM - 07:55 AM	50.2	43.1	10:30 AM - 10:35 AM	47.6	44.6
05:15 AM - 05:20 AM	47.1	40.4	07:55 AM - 08:00 AM	53.6	44.1	10:35 AM - 10:40 AM	48.9	44.2
05:20 AM - 05:25 AM	46.5	41.4	08:00 AM - 08:05 AM	56.0	45.4	10:40 AM - 10:45 AM	48.8	43.8
05:25 AM - 05:30 AM	45.1	40.3	08:05 AM - 08:10 AM	56.2	47.8	10:45 AM - 10:50 AM	50.1	43.5
05:30 AM - 05:35 AM	46.7	40.6	08:10 AM - 08:15 AM	50.5	43.2	10:50 AM - 10:55 AM	50.0	44.0
05:35 AM - 05:40 AM	47.3	41.0	08:15 AM - 08:20 AM	49.8	43.2	10:55 AM - 11:00 AM	46.9	42.9
05:40 AM - 05:45 AM	51.1	41.4	08:20 AM - 08:25 AM	50.8	44.5	11:00 AM - 11:05 AM	50.5	44.3
05:45 AM - 05:50 AM	50.5	40.8	08:25 AM - 08:30 AM	50.7	45.0	11:05 AM - 11:10 AM	48.2	44.0
05:50 AM - 05:55 AM	50.0	41.0	08:30 AM - 08:35 AM	51.1	44.8	11:10 AM - 11:15 AM	47.5	43.7
05:55 AM - 06:00 AM	51.7	43.3	08:35 AM - 08:40 AM	46.6	42.1	11:15 AM - 11:20 AM	46.4	42.0
06:00 AM - 06:05 AM	54.4	43.2	08:40 AM - 08:45 AM	50.2	43.3	11:20 AM - 11:25 AM	49.2	42.6
06:05 AM - 06:10 AM	52.9	45.3	08:45 AM - 08:50 AM	49.3	44.3	11:25 AM - 11:30 AM	47.9	42.8
06:10 AM - 06:15 AM	56.1	45.8	08:50 AM - 08:55 AM	52.3	45.3	11:30 AM - 11:35 AM	47.4	43.1
06:15 AM - 06:20 AM	56.2	46.6	08:55 AM - 09:00 AM	50.7	44.8	11:35 AM - 11:40 AM	54.7	42.0
06:20 AM - 06:25 AM	56.3	45.9	09:00 AM - 09:05 AM	48.4	44.1	11:40 AM - 11:45 AM	48.7	41.8
06:25 AM - 06:30 AM	55.2	47.0	09:05 AM - 09:10 AM	50.2	43.6	11:45 AM - 11:50 AM	46.9	42.8
06:30 AM - 06:35 AM	55.2	44.9	09:10 AM - 09:15 AM	51.9	45.8	11:50 AM - 11:55 AM	46.0	43.2
06:35 AM - 06:40 AM	53.5	43.2	09:15 AM - 09:20 AM	50.0	46.1	11:55 AM - 12:00 PM	49.6	44.1

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

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419218-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 3

**Sample Number** : 2573111-21  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชาธรรมนิคม (N3)  
**Measurement Date** : Sep 25 - Sep 26, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90	Sep 25, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	48.7	42.1	02:40 PM - 02:45 PM	45.7	41.7	05:20 PM - 05:25 PM	50.1	42.2
12:05 PM - 12:10 PM	49.0	44.2	02:45 PM - 02:50 PM	44.7	40.7	05:25 PM - 05:30 PM	52.4	42.2
12:10 PM - 12:15 PM	50.0	45.5	02:50 PM - 02:55 PM	45.9	39.7	05:30 PM - 05:35 PM	52.7	41.9
12:15 PM - 12:20 PM	47.0	42.4	02:55 PM - 03:00 PM	46.4	40.9	05:35 PM - 05:40 PM	51.7	42.0
12:20 PM - 12:25 PM	46.0	43.4	03:00 PM - 03:05 PM	45.5	41.3	05:40 PM - 05:45 PM	50.5	42.8
12:25 PM - 12:30 PM	47.5	42.4	03:05 PM - 03:10 PM	44.3	39.7	05:45 PM - 05:50 PM	49.6	42.1
12:30 PM - 12:35 PM	47.4	42.3	03:10 PM - 03:15 PM	43.3	40.1	05:50 PM - 05:55 PM	46.3	42.5
12:35 PM - 12:40 PM	47.1	41.8	03:15 PM - 03:20 PM	45.0	40.1	05:55 PM - 06:00 PM	47.4	42.7
12:40 PM - 12:45 PM	47.4	41.5	03:20 PM - 03:25 PM	42.4	40.1	06:00 PM - 06:05 PM	44.9	42.3
12:45 PM - 12:50 PM	46.1	41.7	03:25 PM - 03:30 PM	46.4	40.1	06:05 PM - 06:10 PM	43.5	41.6
12:50 PM - 12:55 PM	44.9	42.2	03:30 PM - 03:35 PM	43.9	40.2	06:10 PM - 06:15 PM	50.1	43.0
12:55 PM - 01:00 PM	45.9	41.0	03:35 PM - 03:40 PM	49.2	40.5	06:15 PM - 06:20 PM	55.2	53.8
01:00 PM - 01:05 PM	42.7	40.0	03:40 PM - 03:45 PM	47.2	40.9	06:20 PM - 06:25 PM	54.2	51.8
01:05 PM - 01:10 PM	44.9	40.8	03:45 PM - 03:50 PM	43.9	41.6	06:25 PM - 06:30 PM	56.9	55.3
01:10 PM - 01:15 PM	48.3	43.5	03:50 PM - 03:55 PM	44.5	41.7	06:30 PM - 06:35 PM	57.8	56.6
01:15 PM - 01:20 PM	45.5	41.5	03:55 PM - 04:00 PM	45.3	41.8	06:35 PM - 06:40 PM	57.7	55.6
01:20 PM - 01:25 PM	48.2	42.4	04:00 PM - 04:05 PM	48.6	41.4	06:40 PM - 06:45 PM	57.7	56.5
01:25 PM - 01:30 PM	47.2	40.1	04:05 PM - 04:10 PM	50.5	42.3	06:45 PM - 06:50 PM	56.1	50.9
01:30 PM - 01:35 PM	47.6	40.3	04:10 PM - 04:15 PM	48.8	42.9	06:50 PM - 06:55 PM	47.5	43.4
01:35 PM - 01:40 PM	47.0	42.1	04:15 PM - 04:20 PM	54.4	42.4	06:55 PM - 07:00 PM	46.0	43.7
01:40 PM - 01:45 PM	46.6	43.1	04:20 PM - 04:25 PM	50.9	42.5	07:00 PM - 07:05 PM	43.8	42.3
01:45 PM - 01:50 PM	46.7	42.5	04:25 PM - 04:30 PM	49.0	41.1	07:05 PM - 07:10 PM	48.2	43.4
01:50 PM - 01:55 PM	43.4	40.8	04:30 PM - 04:35 PM	49.3	41.1	07:10 PM - 07:15 PM	44.9	43.1
01:55 PM - 02:00 PM	53.8	40.6	04:35 PM - 04:40 PM	47.8	40.7	07:15 PM - 07:20 PM	45.8	42.7
02:00 PM - 02:05 PM	49.5	41.5	04:40 PM - 04:45 PM	50.4	43.2	07:20 PM - 07:25 PM	44.8	42.9
02:05 PM - 02:10 PM	44.4	42.2	04:45 PM - 04:50 PM	50.7	42.0	07:25 PM - 07:30 PM	45.9	44.3
02:10 PM - 02:15 PM	46.4	42.5	04:50 PM - 04:55 PM	46.6	41.6	07:30 PM - 07:35 PM	47.2	44.4
02:15 PM - 02:20 PM	45.5	40.9	04:55 PM - 05:00 PM	49.9	44.0	07:35 PM - 07:40 PM	49.0	44.8
02:20 PM - 02:25 PM	47.8	43.9	05:00 PM - 05:05 PM	48.7	44.8	07:40 PM - 07:45 PM	47.9	45.0
02:25 PM - 02:30 PM	47.5	41.9	05:05 PM - 05:10 PM	49.9	44.9	07:45 PM - 07:50 PM	47.5	45.2
02:30 PM - 02:35 PM	46.1	41.5	05:10 PM - 05:15 PM	53.5	46.8	07:50 PM - 07:55 PM	45.7	44.1
02:35 PM - 02:40 PM	47.2	41.7	05:15 PM - 05:20 PM	51.1	43.4	07:55 PM - 08:00 PM	50.4	44.8

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**

Date Received : Sep 30, 2025

Date Reported : Oct 03, 2025

Report Number : 3419218-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 2 of 3

**Sample Number** : 2573111-21  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 25 - Sep 26, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 25, 2025	Leq	L90	Sep 25 - Sep 26, 2025	Leq	L90	Sep 26, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	47.3	45.0	10:40 PM - 10:45 PM	41.8	40.8	01:20 AM - 01:25 AM	42.7	40.5
08:05 PM - 08:10 PM	45.9	44.1	10:45 PM - 10:50 PM	43.4	40.3	01:25 AM - 01:30 AM	42.7	40.8
08:10 PM - 08:15 PM	45.8	43.5	10:50 PM - 10:55 PM	40.7	39.5	01:30 AM - 01:35 AM	42.5	41.3
08:15 PM - 08:20 PM	45.3	43.7	10:55 PM - 11:00 PM	40.5	39.5	01:35 AM - 01:40 AM	57.2	41.5
08:20 PM - 08:25 PM	44.2	42.9	11:00 PM - 11:05 PM	41.9	39.5	01:40 AM - 01:45 AM	42.5	41.2
08:25 PM - 08:30 PM	44.1	43.0	11:05 PM - 11:10 PM	40.5	39.2	01:45 AM - 01:50 AM	43.0	40.3
08:30 PM - 08:35 PM	45.4	43.2	11:10 PM - 11:15 PM	43.0	39.4	01:50 AM - 01:55 AM	41.5	40.4
08:35 PM - 08:40 PM	45.3	43.5	11:15 PM - 11:20 PM	41.1	39.5	01:55 AM - 02:00 AM	48.8	40.1
08:40 PM - 08:45 PM	47.4	43.8	11:20 PM - 11:25 PM	40.9	39.8	02:00 AM - 02:05 AM	41.7	40.2
08:45 PM - 08:50 PM	45.0	43.4	11:25 PM - 11:30 PM	40.7	39.6	02:05 AM - 02:10 AM	41.6	40.6
08:50 PM - 08:55 PM	44.4	43.4	11:30 PM - 11:35 PM	40.7	39.7	02:10 AM - 02:15 AM	43.6	40.3
08:55 PM - 09:00 PM	45.4	43.5	11:35 PM - 11:40 PM	41.0	39.7	02:15 AM - 02:20 AM	42.3	41.0
09:00 PM - 09:05 PM	45.3	43.3	11:40 PM - 11:45 PM	41.5	40.5	02:20 AM - 02:25 AM	56.7	40.5
09:05 PM - 09:10 PM	45.4	43.5	11:45 PM - 11:50 PM	43.1	40.3	02:25 AM - 02:30 AM	52.3	41.2
09:10 PM - 09:15 PM	45.5	43.5	11:50 PM - 11:55 PM	42.4	40.8	02:30 AM - 02:35 AM	50.0	43.0
09:15 PM - 09:20 PM	45.4	43.3	11:55 PM - 12:00 AM	49.1	40.1	02:35 AM - 02:40 AM	43.2	41.2
09:20 PM - 09:25 PM	45.2	42.9	12:00 AM - 12:05 AM	57.3	40.4	02:40 AM - 02:45 AM	41.3	39.8
09:25 PM - 09:30 PM	46.1	42.9	12:05 AM - 12:10 AM	44.0	40.3	02:45 AM - 02:50 AM	41.5	40.4
09:30 PM - 09:35 PM	47.2	44.6	12:10 AM - 12:15 AM	41.0	39.7	02:50 AM - 02:55 AM	42.6	40.9
09:35 PM - 09:40 PM	49.4	42.5	12:15 AM - 12:20 AM	41.0	39.7	02:55 AM - 03:00 AM	42.8	40.4
09:40 PM - 09:45 PM	45.1	42.6	12:20 AM - 12:25 AM	41.4	40.1	03:00 AM - 03:05 AM	41.3	40.2
09:45 PM - 09:50 PM	45.2	42.5	12:25 AM - 12:30 AM	41.6	40.3	03:05 AM - 03:10 AM	41.2	40.3
09:50 PM - 09:55 PM	67.3	42.5	12:30 AM - 12:35 AM	41.8	40.3	03:10 AM - 03:15 AM	41.4	40.5
09:55 PM - 10:00 PM	43.9	42.0	12:35 AM - 12:40 AM	41.6	40.5	03:15 AM - 03:20 AM	40.9	38.9
10:00 PM - 10:05 PM	45.3	43.2	12:40 AM - 12:45 AM	41.4	40.2	03:20 AM - 03:25 AM	42.4	40.4
10:05 PM - 10:10 PM	44.8	42.5	12:45 AM - 12:50 AM	50.9	39.8	03:25 AM - 03:30 AM	47.7	40.6
10:10 PM - 10:15 PM	43.5	41.0	12:50 AM - 12:55 AM	49.4	40.4	03:30 AM - 03:35 AM	50.1	40.1
10:15 PM - 10:20 PM	43.3	41.2	12:55 AM - 01:00 AM	42.2	39.7	03:35 AM - 03:40 AM	41.7	40.3
10:20 PM - 10:25 PM	42.3	40.5	01:00 AM - 01:05 AM	40.9	39.7	03:40 AM - 03:45 AM	44.2	40.9
10:25 PM - 10:30 PM	42.5	40.6	01:05 AM - 01:10 AM	47.4	39.3	03:45 AM - 03:50 AM	42.8	39.5
10:30 PM - 10:35 PM	42.7	40.8	01:10 AM - 01:15 AM	41.2	39.8	03:50 AM - 03:55 AM	41.0	39.7
10:35 PM - 10:40 PM	41.0	40.0	01:15 AM - 01:20 AM	41.8	40.1	03:55 AM - 04:00 AM	41.7	40.0

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**Lot ID: 2573111**  
Date Received : Sep 30, 2025  
Date Reported : Oct 03, 2025  
Report Number : 3419218-1

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 3 of 3

**Sample Number** : 2573111-21  
**Parameter** : Noise Level (Leq 5 min)  
**Location** : วัดป่าประชานิคม (N3)  
**Measurement Date** : Sep 25 - Sep 26, 2025  
**Measurement by** : Pongsaton Chaitip  
**Sound Level meter** : Serial No. 00709776

Sep 26, 2025	Leq	L90	Sep 26, 2025	Leq	L90	Sep 26, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	41.4	40.0	06:40 AM - 06:45 AM	58.7	48.5	09:20 AM - 09:25 AM	52.0	42.4
04:05 AM - 04:10 AM	41.0	39.5	06:45 AM - 06:50 AM	55.4	46.0	09:25 AM - 09:30 AM	50.2	41.3
04:10 AM - 04:15 AM	40.5	39.6	06:50 AM - 06:55 AM	54.2	43.2	09:30 AM - 09:35 AM	48.4	41.7
04:15 AM - 04:20 AM	40.8	39.3	06:55 AM - 07:00 AM	59.5	41.8	09:35 AM - 09:40 AM	47.9	41.9
04:20 AM - 04:25 AM	41.3	39.6	07:00 AM - 07:05 AM	55.9	42.2	09:40 AM - 09:45 AM	53.2	44.8
04:25 AM - 04:30 AM	42.1	40.9	07:05 AM - 07:10 AM	54.7	44.2	09:45 AM - 09:50 AM	52.5	44.1
04:30 AM - 04:35 AM	43.8	40.4	07:10 AM - 07:15 AM	50.9	45.0	09:50 AM - 09:55 AM	52.4	42.5
04:35 AM - 04:40 AM	44.8	40.1	07:15 AM - 07:20 AM	50.6	44.5	09:55 AM - 10:00 AM	50.1	41.0
04:40 AM - 04:45 AM	41.2	39.3	07:20 AM - 07:25 AM	50.7	43.5	10:00 AM - 10:05 AM	55.1	42.4
04:45 AM - 04:50 AM	41.2	39.6	07:25 AM - 07:30 AM	53.3	43.4	10:05 AM - 10:10 AM	62.6	42.5
04:50 AM - 04:55 AM	42.1	39.5	07:30 AM - 07:35 AM	59.2	45.5	10:10 AM - 10:15 AM	43.7	40.5
04:55 AM - 05:00 AM	40.9	39.3	07:35 AM - 07:40 AM	58.1	47.6	10:15 AM - 10:20 AM	44.3	39.9
05:00 AM - 05:05 AM	40.7	38.3	07:40 AM - 07:45 AM	57.3	46.1	10:20 AM - 10:25 AM	47.0	39.1
05:05 AM - 05:10 AM	41.1	39.0	07:45 AM - 07:50 AM	54.7	46.5	10:25 AM - 10:30 AM	47.7	38.9
05:10 AM - 05:15 AM	42.4	39.6	07:50 AM - 07:55 AM	54.0	45.2	10:30 AM - 10:35 AM	45.3	39.8
05:15 AM - 05:20 AM	41.5	38.7	07:55 AM - 08:00 AM	50.2	44.4	10:35 AM - 10:40 AM	44.7	40.7
05:20 AM - 05:25 AM	43.0	39.9	08:00 AM - 08:05 AM	51.5	45.5	10:40 AM - 10:45 AM	43.4	40.1
05:25 AM - 05:30 AM	44.1	40.6	08:05 AM - 08:10 AM	49.8	43.9	10:45 AM - 10:50 AM	47.3	40.4
05:30 AM - 05:35 AM	44.7	40.5	08:10 AM - 08:15 AM	48.8	42.9	10:50 AM - 10:55 AM	43.2	39.9
05:35 AM - 05:40 AM	49.8	41.3	08:15 AM - 08:20 AM	48.8	43.9	10:55 AM - 11:00 AM	42.7	38.9
05:40 AM - 05:45 AM	52.9	42.8	08:20 AM - 08:25 AM	49.2	44.5	11:00 AM - 11:05 AM	47.4	39.4
05:45 AM - 05:50 AM	52.6	42.9	08:25 AM - 08:30 AM	50.2	44.5	11:05 AM - 11:10 AM	48.6	40.6
05:50 AM - 05:55 AM	53.2	42.2	08:30 AM - 08:35 AM	50.6	45.1	11:10 AM - 11:15 AM	47.7	40.5
05:55 AM - 06:00 AM	53.4	43.1	08:35 AM - 08:40 AM	52.8	46.1	11:15 AM - 11:20 AM	46.5	39.4
06:00 AM - 06:05 AM	53.7	44.4	08:40 AM - 08:45 AM	56.6	48.2	11:20 AM - 11:25 AM	49.0	39.0
06:05 AM - 06:10 AM	54.9	46.5	08:45 AM - 08:50 AM	56.4	48.2	11:25 AM - 11:30 AM	46.1	38.3
06:10 AM - 06:15 AM	53.9	44.8	08:50 AM - 08:55 AM	56.0	47.1	11:30 AM - 11:35 AM	45.7	38.9
06:15 AM - 06:20 AM	56.7	47.8	08:55 AM - 09:00 AM	53.6	44.2	11:35 AM - 11:40 AM	41.0	37.9
06:20 AM - 06:25 AM	55.6	46.6	09:00 AM - 09:05 AM	48.0	41.6	11:40 AM - 11:45 AM	44.8	38.6
06:25 AM - 06:30 AM	59.0	44.7	09:05 AM - 09:10 AM	49.3	42.0	11:45 AM - 11:50 AM	51.2	40.4
06:30 AM - 06:35 AM	56.6	46.2	09:10 AM - 09:15 AM	52.0	43.9	11:50 AM - 11:55 AM	45.8	40.8
06:35 AM - 06:40 AM	52.9	45.6	09:15 AM - 09:20 AM	48.8	41.8	11:55 AM - 12:00 PM	54.0	41.4

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

Sarayuth Jitranont  
Assistant General Manager

# ภาคผนวก ค-5

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ใบรับรองผลการตรวจวัดคุณภาพน้ำผิวดิน  
/นิเวศวิทยาทางน้ำและการเพาะเลี้ยงสัตว์น้ำ





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2575862**  
Date Received : Oct 04, 2025  
Date Reported : Oct 11, 2025  
Report Number : 3421002-1

Page 1 of 9

<b>Sample Number</b>	2575862-1						
<b>Sampled Date</b>	Oct 03, 2025 11:00 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองห้วยน้อย (SW1)						
<b>Date Analysis Commenced</b>	Oct 04, 2025						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Calcium *	mmol/L	0.002	0.004	1.74	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.66	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
SAR *	-	-	-	7.27	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	11.3	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok

### Microbiological Testing

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2575862**  
Date Received : Oct 04, 2025  
Date Reported : Oct 11, 2025  
Report Number : 3421002-1

Page 2 of 9

<b>Sample Number</b>	2575862-1							
<b>Sampled Date</b>	Oct 03, 2025 11:00 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	คลองห้วยน้อย (SW1)							
<b>Date Analysis Commenced</b>	Oct 04, 2025							
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Microbiological Testing</b>								
Fecal Coliform	MPN/100mL	-	-	46.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	1700.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
<b>Water Testing</b>								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	441	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1732	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Flow rate *	m3/hr	-	-	No Velocity	No Standard	No Standard	Flow meter	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok

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

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2575862**  
Date Received : Oct 04, 2025  
Date Reported : Oct 11, 2025  
Report Number : 3421002-1

Page 3 of 9

<b>Sample Number</b>	2575862-1							
<b>Sampled Date</b>	Oct 03, 2025 11:00 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	คลองห้วยน้อย (SW1)							
<b>Date Analysis Commenced</b>	Oct 04, 2025							
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline (1)</b>	<b>Guideline (2)</b>	<b>Method</b>	<b>Testing Location</b>
<b>Water Testing</b>								
Temperature *	Degree C	-	-	29.8	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	1094	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok
Transparency *	m	-	-	0.70	No Standard	No Standard	Visual Method	Bangkok
Turbidity *	NTU	-	0.1	4.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Bangkok
Water Level *	m	-	-	1.80	No Standard	No Standard	Water Level Meter	Bangkok

**Guideline** : (1) 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)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By** : Dunlayaphon Sonnok

Remark :

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

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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



## Analysis / Test Report

TESTING  
No.0009

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO25-00847  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25106623**

Date Received : Nov 26, 2025

Date Reported : Dec 02, 2025

Report Number : 3456284-1

Page 1 of 2

**Sample Number** : 25106623-1  
**Sampled Date** : Nov 25, 2025 10:30 AM  
**Sample Description** : Surface Water  
**Location** : คลองห้วยน้อย (SW1)  
**Date Analysis Commenced** : Nov 27, 2025  
**Condition of Sample** : Contained in two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Dissolved Oxygen *	mg/L	-	0.1	3.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok

**Sampling By** : Somboon Butchan

Remark :

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2575862**  
Date Received : Oct 04, 2025  
Date Reported : Oct 11, 2025  
Report Number : 3421002-1

Page 4 of 9

<b>Sample Number</b>	2575862-2						
<b>Sampled Date</b>	Oct 03, 2025 12:20 PM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองห้วยใหญ่ (คลองอีสานเขียว) (SW2)						
<b>Date Analysis Commenced</b>	Oct 04, 2025						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Calcium *	mmol/L	0.002	0.004	0.90	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.28	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
SAR *	-	-	-	3.76	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	4.08	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok

### Microbiological Testing

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2575862**  
Date Received : Oct 04, 2025  
Date Reported : Oct 11, 2025  
Report Number : 3421002-1

Page 5 of 9

<b>Sample Number</b>	2575862-2							
<b>Sampled Date</b>	Oct 03, 2025 12:20 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	คลองห้วยใหญ่ (คลองอีสานเขียว) (SW2)							
<b>Date Analysis Commenced</b>	Oct 04, 2025							
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Microbiological Testing</b>								
Fecal Coliform	MPN/100mL	-	-	490.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	490.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
<b>Water Testing</b>								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	156	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	731	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.6	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
Flow rate *	m3/hr	-	-	No Velocity	No Standard	No Standard	Flow meter	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2575862**  
Date Received : Oct 04, 2025  
Date Reported : Oct 11, 2025  
Report Number : 3421002-1

Page 6 of 9

<b>Sample Number</b>	2575862-2							
<b>Sampled Date</b>	Oct 03, 2025 12:20 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	คลองห้วยใหญ่ (คลองอีสานเขียว) (SW2)							
<b>Date Analysis Commenced</b>	Oct 04, 2025							
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Temperature *	Degree C	-	-	29.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	397	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok
Transparency *	m	-	-	1.20	No Standard	No Standard	Visual Method	Bangkok
Turbidity *	NTU	-	0.1	6.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Bangkok
Water Level *	m	-	-	3.15	No Standard	No Standard	Water Level Meter	Bangkok

**Guideline** : (1) 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)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By** : Dunlayaphon Sonnok

Remark :

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

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2575862**  
Date Received : Oct 04, 2025  
Date Reported : Oct 11, 2025  
Report Number : 3421002-1

Page 7 of 9

<b>Sample Number</b>	2575862-3						
<b>Sampled Date</b>	Oct 03, 2025 11:50 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองห้วยยาง (คลองตลกยาง) (SW3)						
<b>Date Analysis Commenced</b>	Oct 04, 2025						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Calcium *	mmol/L	0.002	0.004	0.42	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.13	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
SAR *	-	-	-	1.53	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	1.13	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok

### Microbiological Testing

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2575862**  
Date Received : Oct 04, 2025  
Date Reported : Oct 11, 2025  
Report Number : 3421002-1

Page 8 of 9

<b>Sample Number</b>	2575862-3							
<b>Sampled Date</b>	Oct 03, 2025 11:50 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	คลองห้วยยาง (คลองตลกยาง) (SW3)							
<b>Date Analysis Commenced</b>	Oct 04, 2025							
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline ( 1 )	Guideline ( 2 )	Method	Testing Location
Microbiological Testing								
Fecal Coliform	MPN/100mL	-	-	49.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	240.0	≤20000	No Standard		Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B
Water Testing								
Chloride as Cl * Conductivity at 25 degree C *	mg/L	0.06	0.2	27.6	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	micromhos/cm	-	0.5	224	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Flow rate *	mg/L	-	0.1	5.3	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C) Flow meter	Bangkok
Oil & Grease								
pH at 25 degree C	m3/hr	-	-	No Velocity	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
	mg/L	-	3	<3	No Standard	No Standard		Bangkok
		-	-	7.5	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok

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

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2575862**  
Date Received : Oct 04, 2025  
Date Reported : Oct 11, 2025  
Report Number : 3421002-1

Page 9 of 9

<b>Sample Number</b>	2575862-3							
<b>Sampled Date</b>	Oct 03, 2025 11:50 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	คลองห้วยยาง (คลองตลกยาง) (SW3)							
<b>Date Analysis Commenced</b>	Oct 04, 2025							
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Temperature *	Degree C	-	-	29.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	131	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok
Transparency *	m	-	-	0.80	No Standard	No Standard	Visual Method	Bangkok
Turbidity *	NTU	-	0.1	13	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Bangkok
Water Level *	m	-	-	2.10	No Standard	No Standard	Water Level Meter	Bangkok

**Guideline** : (1) 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)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By** : Dunlayaphon Sonnok

Remark :

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

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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



## Analysis / Test Report

TESTING  
No.0009

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO25-00847  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25106623**

Date Received : Nov 26, 2025

Date Reported : Dec 02, 2025

Report Number : 3456284-1

Page 2 of 2

**Sample Number** : 25106623-2  
**Sampled Date** : Nov 25, 2025 10:15 AM  
**Sample Description** : Surface Water  
**Location** : คลองห้วยยาง (คลองตลกยาง) (SW3)  
**Date Analysis Commenced** : Nov 27, 2025  
**Condition of Sample** : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok

**Sampling By** : Somboon Butchan

Remark :

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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



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

Client : Buayai Bio Power Co., Ltd.

Address : 188 Moo 5 Dan Chang, Bua Yai, Nakhonratchasima , Thailand, 30120

Project Name : Project 55 MW

Project Location : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)


สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัว/ตารางเมตร)		
	2575873-1	2575873-2	2575873-3
<b>Phylum Annelida</b> <b>Class Clitellata</b> <b>Order Lumbriculida</b> <b>Family Lumbriculidae</b> <i>Lumbriculus</i> sp. (ไส้เดือนน้ำ)	89	60	-
<b>Phylum Arthropoda</b> <b>Class Insecta</b> <b>Order Diptera</b> <b>Family Chironomidae</b> <i>Chironomus</i> sp. (หนอนแดง)	30	-	-
<b>Family Psychodidae</b> <i>Psychoda</i> sp. (ตัวอ่อนแมลงหวี่ขน)	-	-	15
<b>Order Odonata</b> <b>Family Gomphidae</b> <i>Gomphus</i> sp. (ตัวอ่อนแมลงปอเสื้อ)	-	15	-

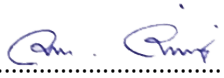
ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)  
(ต่อ)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัว/ตารางเมตร)		
	2575873-1	2575873-2	2575873-3
<b>Family Libellulidae</b> <i>Crocothemis</i> sp. (ตัวอ่อนแมลงปอใหญ่) <b>Class Ostracoda</b> <b>Order Podocopida</b> <b>Family Cyprididae</b> <i>Cypris</i> sp. (ออสตราคอด)	-	-	15
<b>Phylum Mollusca</b> <b>Class Gastropoda</b> <b>Order Architaenioglossa</b> <b>Family Viviparidae</b> <i>Filopaludina</i> sp. (หอยขม)	30	45	-
รวมจำนวนสกุลที่พบทั้งหมด	3	3	3
รวมปริมาณที่พบทั้งหมด	149	120	45
ค่าดัชนีความหลากหลาย	0.9532	0.9743	1.0986

**Sample Location :** 1. สถานี 2575873-1 : คลองห้วยน้อย (SW1)  
 2. สถานี 2575873-2 : คลองห้วยใหญ่ (คลองอีสานเขียว) (SW2)  
 3. สถานี 2575873-3 : คลองห้วยยาง (คลองตลุกยาง) (SW3)

**Condition of Sample :** contained in one plastic zip bag

  
 .....  
 (นายอรรถวุฒิ กันทะวงศ์)  
 ผู้วิเคราะห์

  
 .....  
 (นายอลงกต อินทรชาติ)  
 หัวหน้าสถานีวิจัยประมงศรีราชา



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

Client : Buayai Bio Power Co., Ltd.

Address : 188 Moo 5 Dan Chang, Bua Yai, Nakhonratchasima, Thailand, 30120

Project Name : Project 55 MW

Project Location : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

รายงานผลการวิเคราะห์แพลงก์ตอนพืช

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2575876-1	2575876-2	2575876-3
<b>Division Cyanophyta</b>			
<b>Class Cyanophyceae</b>			
<b>Order Nostocales</b>			
<b>Family Oscillatoriaceae</b>			
1. <i>Oscillatoria anguina</i>	-	281,000	-
2. <i>Oscillatoria brevis</i>	-	12,000	-
3. <i>Oscillatoria limnetica</i>	1,537,000	-	125,000
4. <i>Oscillatoria limosa</i>	80,000	183,000	10,000
5. <i>Oscillatoria princeps</i>	22,000	12,000	-
6. <i>Oscillatoria</i> sp.	1,559,000	122,000	104,000
7. <i>Oscillatoria tenuis</i>	1,450,000	390,000	31,000
8. <i>Spirulina platensis</i>	73,000	-	21,000
9. <i>Spirulina</i> sp.	-	-	31,000



**ตาราง ผลการวิเคราะห์แฟลงก์ตอนพืช (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)**

(ต่อ)

ชนิดแฟลงก์ตอนพืช	ปริมาณแฟลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2575876-1	2575876-2	2575876-3
<b>Family Nostocaceae</b>			
10. <i>Anabena azollae</i>	15,000	-	-
<b>Family Rivulariaceae</b>			
11. <i>Calothrix</i> sp.	-	12,000	-
<b>Division Chlorophyta</b>			
<b>Class Chlorophyceae</b>			
<b>Order Volvocales</b>			
<b>Family Volvocaceae</b>			
12. <i>Eudorina elegans</i>	-	12,000	31,000
<b>Order Chlorococcales</b>			
<b>Family Hydrodictyaceae</b>			
13. <i>Pediastrum duplex</i>	-	-	10,000
<b>Family Oocystaceae</b>			
14. <i>Chlorella vulgaris</i>	7,000	-	-
<b>Order Ulotrichales</b>			
<b>Family Ulotrichaceae</b>			
15. <i>Geminella</i> sp.	-	24,000	-
<b>Order Zygomatales</b>			
<b>Family Zygnemataceae</b>			
16. <i>Spirogyra</i> sp.	239,000	-	-
17. <i>Spirogyra weberi</i>	73,000	-	-
<b>Family Desmidiaceae</b>			
18. <i>Closterium acerosum</i>	370,000	12,000	-
19. <i>Closterium gracile</i>	-	12,000	-
20. <i>Closterium kuetzingii</i>	326,000	24,000	-
21. <i>Closterium lineatum</i>	7,000	12,000	10,000
22. <i>Closterium porrectum</i>	7,000	12,000	-

**ตาราง ผลการวิเคราะห์แฟลกellate (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)**

(ต่อ)

ชนิดแฟลกellate	ปริมาณแฟลกellate (หน่วยต่อลูกบาศก์เมตร)		
	2575876-1	2575876-2	2575876-3
23. <i>Closterium ralfsii</i>	7,000	12,000	-
24. <i>Cosmarium rectangulare</i>	22,000	-	-
25. <i>Desminium</i> sp.	2,320,000	-	-
26. <i>Hyalotheca dissiliens</i>	94,000	-	21,000
<b>Class Euglenophyceae</b>			
<b>Order Euglenales</b>			
<b>Family Euglenaceae</b>			
27. <i>Euglena acus</i>	7,000	293,000	31,000
28. <i>Euglena oxyuris</i>	-	49,000	114,000
29. <i>Euglena</i> sp.	-	12,000	42,000
30. <i>Lepocinclis ovum</i>	102,000	244,000	42,000
31. <i>Phacus angulatus</i>	-	12,000	-
32. <i>Phacus hamatus</i>	87,000	12,000	21,000
33. <i>Phacus horridus</i>	-	12,000	-
34. <i>Phacus longicauda</i>	7,000	-	21,000
35. <i>Phacus platalea</i>	-	24,000	-
36. <i>Phacus ranula</i>	-	24,000	10,000
37. <i>Phacus</i> sp.	22,000	207,000	10,000
38. <i>Phacus stokesii</i>	7,000	-	-
39. <i>Phacus tortus</i>	80,000	37,000	10,000
40. <i>Strombomonas acuminata</i>	-	146,000	10,000
41. <i>Strombomonas australica</i>	-	-	10,000
42. <i>Strombomonas</i> sp.	-	171,000	-
43. <i>Trachelomonas crebea</i>	-	122,000	21,000
44. <i>Trachelomonas daugerdiana</i>	7,000	24,000	114,000
45. <i>Trachelomonas hispida</i>	80,000	634,000	458,000
46. <i>Trachelomonas mirabilis</i>	7,000	37,000	31,000
47. <i>Trachelomonas rugulosa</i>	-	-	125,000

**ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)**

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2575876-1	2575876-2	2575876-3
48. <i>Trachelomonas</i> sp.	-	-	10,000
49. <i>Trachelomonas superba</i>	-	37,000	10,000
<b>Division Chromophyta</b>			
<b>Class Bacillariophyceae</b>			
<b>Order Biddulphiales</b>			
<b>Suborder Coscinodiscineae</b>			
<b>Family Thalassiosiraceae</b>			
50. <i>Cyclotella meneghiniana</i>	7,000	37,000	-
51. <i>Cyclotella stelligera</i>	-	24,000	-
<b>Order Bacillariales</b>			
<b>Suborder Fragilariineae</b>			
<b>Family Fragilariaceae</b>			
52. <i>Diatoma</i> sp.	-	61,000	-
53. <i>Diatoma vulgaris</i>	413,000	-	52,000
54. <i>Synedra acus</i>	87,000	12,000	31,000
55. <i>Synedra ulna</i>	761,000	1,366,000	21,000
<b>Family Tabellariaceae</b>			
56. <i>Tabellaria fenestrata</i>	15,000	-	-
57. <i>Tryblionella hungarica</i>	7,000	-	-
<b>Suborder Bacillariineae</b>			
<b>Family Eunotiaceae</b>			
58. <i>Eunotia pectinalis</i>	15,000	61,000	10,000
<b>Family Cymbellaceae</b>			
59. <i>Gomphonema parvulum</i>	595,000	12,000	-
<b>Family Naviculaceae</b>			
60. <i>Amphora</i> sp.	7,000	-	-
61. <i>Gyrosigma acuminatum</i>	8,845,000	244,000	94,000

**ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)**

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2575876-1	2575876-2	2575876-3
62. <i>Gyrosigma attenuatum</i>	-	-	10,000
63. <i>Gyrosigma</i> sp.	864,000	24,000	-
64. <i>Navicula cuspidata</i>	-	354,000	10,000
65. <i>Navicula lanceolata</i>	160,000	-	-
66. <i>Pinnularia gibba</i>	384,000	49,000	21,000
67. <i>Pinnularia subanglica</i>	80,000	-	-
68. <i>Stauroneis anceps</i>	80,000	-	-
<b>Family Bacillariaceae</b>			
69. <i>Bacillaria paxillifer</i>	1,109,000	-	62,000
70. <i>Nitzschia linearis</i>	-	-	21,000
71. <i>Nitzschia palea</i>	2,030,000	-	-
72. <i>Nitzschia reversa</i>	457,000	24,000	-
73. <i>Nitzschia sigmoidea</i>	73,000	-	-
74. <i>Nitzschia</i> sp.	138,000	12,000	-
<b>Family Rhopalodiaceae</b>			
75. <i>Epithemia argus</i>	-	12,000	10,000
76. <i>Rhopalodia gpbba</i>	22,000	-	-
<b>Family Surirellaceae</b>			
77. <i>Surirella tenera</i>	7,000	-	-
<b>Class Dinophyceae</b>			
<b>Order Gonyaulacales</b>			
<b>Family Ceratiaceae</b>			
78. <i>Ceratium hirundinella</i>	-	37,000	333,000
<b>Order Peridiniales</b>			
<b>Family Peridiniaceae</b>			
79. <i>Peridinium cunningtonii</i>	-	12,000	-
80. <i>Peridinium gatunense</i>	-	342,000	957,000

**ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)**

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2575876-1	2575876-2	2575876-3
81. <i>Peridinium</i> sp.	-	122,000	-
ชนิดแพลงก์ตอนพืช	50	51	41
ปริมาณแพลงก์ตอนพืช	24,770,000	6,034,000	3,116,000
ดัชนีความหลากหลายแพลงก์ตอนพืช	2.4885	3.0035	2.6676
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.6361	0.7639	0.7183

**Sample Location :**

1. สถานี 2575876-1 : คลองห้วยน้อย (SW1)
2. สถานี 2575876-2 : คลองห้วยใหญ่ (คลองอีสานเขียว) (SW2)
3. สถานี 2575876-3 : คลองห้วยยาง (คลองตลุกยาง) (SW3)

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



(นางสาวกนกวรรณ ขวต้อน)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



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

Client : Buayai Bio Power Co., Ltd.

Address : 188 Moo 5 Dan Chang, Bua Yai, Nakhonratchasima, Thailand, 30120

Project Name : Project 55 MW

Project Location : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	2575876-1	2575876-2	2575876-3
<b>Phylum Protozoa</b>			
<b>Subphylum Plasmodroma</b>			
<b>Class Sarcodina</b>			
<b>Subclass Rhizopoda</b>			
<b>Order Testacida</b>			
<b>Family Arcellidae</b>			
1. <i>Arcella conica</i>	22,000	12,000	10,000
2. <i>Arcella</i> sp.	22,000	12,000	-
3. <i>Arcella vulgaris</i>	15,000	12,000	10,000
<b>Family Diffugiidae</b>			
4. <i>Diffugia</i> sp.	7,000	12,000	-
<b>Family Euglyphidae</b>			
5. <i>Euglypha acanthophora</i>	22,000	12,000	-

ตาราง ผลการวิเคราะห์แฟลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)

(ต่อ)

ชนิดแฟลงก์ตอนสัตว์	ปริมาณแฟลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	2575876-1	2575876-2	2575876-3
<b>Subphylum Ciliophora</b>			
<b>Class Ciliata</b>			
<b>Subclass Holotricha</b>			
<b>Order Gymnostomatida</b>			
6. <i>Prorodon</i> sp.	-	49,000	10,000
<b>Subclass Spirotricha</b>			
<b>Order Tintinnida</b>			
<b>Family Codonellidae</b>			
7. <i>Tintinnopsis</i> sp.	-	12,000	-
<b>Phylum Rotifera</b>			
<b>Class Monogononta</b>			
<b>Order Ploima</b>			
<b>Family Brachionidae</b>			
8. <i>Anuraeopsis fissa</i>	-	27,000	10,000
9. <i>Brachionus angularis</i>	-	-	52,000
10. <i>Brachionus</i> sp.	-	-	10,000
11. <i>Keratella valga</i>	-	-	21,000
12. <i>Lepadella acuminata</i>	-	24,000	-
13. <i>Tripleuchlanis plicata</i>	15,000	-	-
<b>Family Lecanidae</b>			
14. <i>Lecane bulla</i>	15,000	-	10,000
15. <i>Lecane closterocerca</i>	7,000	-	-
16. <i>Lecane inermis</i>	-	-	21,000
17. <i>Lecane papuana</i>	-	12,000	-
18. <i>Lecane pyriformis</i>	-	12,000	-
19. <i>Lecane</i> sp.	-	24,000	-



**ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 3 ตุลาคม 2568)**

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	2575876-1	2575876-2	2575876-3
<b>Family Notommatidae</b>			
20. <i>Cephalodella forficula</i>	7,000	12,000	73,000
21. <i>Cephalodella gibba</i>	15,000	-	-
<b>Family Synchaetidae</b>			
22. <i>Polyarthra dolichoptera</i>	-	-	21,000
23. <i>Polyarthra vulgaris</i>	15,000	-	31,000
<b>Class Digononta</b>			
<b>Family Philodinidae</b>			
24. <i>Philodina</i> sp.	-	12,000	-
<b>Phylum Arthropoda</b>			
<b>Class Crustacea</b>			
<b>Subclass Copepoda</b>			
25. Copepod nauplius	312,000	110,000	114,000
<b>Order Cyclopoida</b>			
26. Cyclopoid copepod	15,000	12,000	-
<b>ชนิดแพลงก์ตอนสัตว์</b>	<b>13</b>	<b>16</b>	<b>13</b>
<b>ปริมาณแพลงก์ตอนสัตว์</b>	<b>489,000</b>	<b>366,000</b>	<b>393,000</b>
<b>ดัชนีความหลากหลายแพลงก์ตอนสัตว์</b>	<b>1.5289</b>	<b>2.4128</b>	<b>2.1697</b>
<b>ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์</b>	<b>0.5961</b>	<b>0.8702</b>	<b>0.8459</b>

**Sample Location :**

1. สถานี 2575876-1 : คลองห้วยน้อย (SW1)
2. สถานี 2575876-2 : คลองห้วยใหญ่ (คลองอีสานเขียว) (SW2)
3. สถานี 2575876-3 : คลองห้วยยาง (คลองตลุกยาง) (SW3)

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



(นางสาวกนกวรรณ ขาวดอน)  
ผู้วิเคราะห์



(นายอองกต อินทรชาติ)  
หัวหน้าสถานีวิจัยประมงศรีราชา

## ภาคผนวก ค-6

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ใบรับรองผลการตรวจวัดคุณภาพน้ำหล่อเย็น



ISO/IEC 17025

Accreditation No. 1031/47

## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2558350**

Date Received : Jul 03, 2025

Date Reported : Jul 09, 2025

Report Number : 3336663-1

Page 1 of 2

**Sample Number** : 2558350-1  
**Sampled Date** : Jul 02, 2025 10:20 AM  
**Sample Description** : Cooling Water  
**Location** : ถังพักน้ำหล่อเย็น  
**Date Analysis Commenced** : Jul 03, 2025  
**Condition of Sample** : Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium *	mmol/L	0.002	0.004	1.25	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.55	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	-	8.70	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	11.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl	mg/L	0.06	0.2	401	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.9	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok

Approved by

Sawitree Noisangiam  
Manager

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ISO/IEC 17025  
Accreditation No. 1031/47

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2558350**

Date Received : Jul 03, 2025

Date Reported : Jul 09, 2025

Report Number : 3336663-1

Page 2 of 2

**Sample Number** : 2558350-1  
**Sampled Date** : Jul 02, 2025 10:20 AM  
**Sample Description** : Cooling Water  
**Location** : ถังพักน้ำหล่อเย็น  
**Date Analysis Commenced** : Jul 03, 2025  
**Condition of Sample** : Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	910	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Dunlayaphon Sonnok

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING  
No.0009

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2567772**  
Date Received : Aug 07, 2025  
Date Reported : Aug 14, 2025  
Report Number : 3362271-1

Page 1 of 1

**Sample Number** : 2567772-1  
**Sampled Date** : Aug 06, 2025 10:40 AM  
**Sample Description** : Cooling Water  
**Location** : ถังพักน้ำหล่อเย็น  
**Date Analysis Commenced** : Aug 07, 2025  
**Condition of Sample** : Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
pH at 25 degree C		-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	1056	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Jessadin Kongsukdithai ทะเบียนเลขที่ ว-204-จ-0049

Remark :

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

Technical Management

Siriluk P.

Siriluk Bunnak  
Section Head  
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanok Korn Anek

Kanokkorn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2567772**

Date Received : Aug 07, 2025  
Date Reported : Aug 14, 2025  
Report Number : 3362271-2

Page 1 of 1

**Sample Number** : 2567772-1  
**Sampled Date** : Aug 06, 2025 10:40 AM  
**Sample Description** : Cooling Water  
**Location** : ถังพักน้ำหล่อเย็น  
**Date Analysis Commenced** : Aug 07, 2025  
**Condition of Sample** : Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium	mmol/L	0.002	0.004	1.34	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mmol/L	0.002	0.004	0.57	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR		-	0.10	9.88	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mmol/L	0.002	0.004	13.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
Chloride as Cl	mg/L	0.06	0.2	505	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen	mg/L	-	0.1	6.8	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Jessadin Kongsukdithai

Remark :

- LOD : Limit of Detection
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Approved by

Chanattagarn Imchom  
Section Head

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188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2575877**

Date Received : Sep 04, 2025  
Date Reported : Sep 10, 2025  
Report Number : 3398838-1

Page 1 of 2

**Sample Number** : 2575877-1  
**Sampled Date** : Sep 03, 2025 10:45 AM  
**Sample Description** : Cooling Water  
**Location** : ถังพักน้ำหล่อเย็น  
**Date Analysis Commenced** : Sep 05, 2025  
**Condition of Sample** : Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium *	mmol/L	0.002	0.004	1.33	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.59	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	-	10.3	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	14.3	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl	mg/L	0.06	0.2	542	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.1	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2575877**

Date Received : Sep 04, 2025  
Date Reported : Sep 10, 2025  
Report Number : 3398838-1

Page 2 of 2

**Sample Number** : 2575877-1  
**Sampled Date** : Sep 03, 2025 10:45 AM  
**Sample Description** : Cooling Water  
**Location** : สังกักน้ำหล่อเย็น  
**Date Analysis Commenced** : Sep 05, 2025  
**Condition of Sample** : Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1076	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Somboon Butchan

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
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**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2586575**

Date Received : Oct 02, 2025

Date Reported : Oct 08, 2025

Report Number : 3406126-1

Page 1 of 2

**Sample Number** : 2586575-1  
**Sampled Date** : Oct 01, 2025 10:10 AM  
**Sample Description** : Cooling Water  
**Location** : ถังพักน้ำหล่อเย็น  
**Date Analysis Commenced** : Oct 02, 2025  
**Condition of Sample** : Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium *	mmol/L	0.002	0.004	1.03	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.45	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	-	8.39	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	10.2	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl	mg/L	0.06	0.2	331	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.7	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2586575**

Date Received : Oct 02, 2025

Date Reported : Oct 08, 2025

Report Number : 3406126-1

Page 2 of 2

**Sample Number** : 2586575-1  
**Sampled Date** : Oct 01, 2025 10:10 AM  
**Sample Description** : Cooling Water  
**Location** : ถังพักน้ำหล่อเย็น  
**Date Analysis Commenced** : Oct 02, 2025  
**Condition of Sample** : Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	766	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Sattawat Kaewkanha

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2589723**

Date Received : Nov 06, 2025

Date Reported : Nov 12, 2025

Report Number : 3426442-1

**Client** : Buayai Bio Power Co., Ltd.

188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 1

<b>Sample Number</b>	2589723-1
<b>Sampled Date</b>	Nov 05, 2025 10:45 AM
<b>Sample Description</b>	Cooling Water
<b>Location</b>	ถังพักน้ำหล่อเย็น
<b>Date Analysis Commenced</b>	Nov 07, 2025
<b>Condition of Sample</b>	Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
pH at 25 degree C		-	-	7.5	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	1076	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Wikrom Meesiri ทะเบียนเลขที่ ว-204-จ-0199

Remark :

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

Technical Management

Siriluk P.

Siriluk Bunnak  
Section Head

ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2589723**

Date Received : Nov 06, 2025

Date Reported : Nov 12, 2025

Report Number : 3426442-2

Page 1 of 1

<b>Sample Number</b>	2589723-1						
<b>Sampled Date</b>	Nov 05, 2025 10:45 AM						
<b>Sample Description</b>	Cooling Water						
<b>Location</b>	ถังพักน้ำหล่อเย็น						
<b>Date Analysis Commenced</b>	Nov 06, 2025						
<b>Condition of Sample</b>	Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium	mmol/L	0.002	0.004	1.44	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mmol/L	0.002	0.004	0.58	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR		-	-	9.45	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mmol/L	0.002	0.004	13.4	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
Chloride as Cl	mg/L	0.06	0.2	464	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen	mg/L	-	0.1	7.2	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Wikrom Meesiri

Remark :

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

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

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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## Analysis / Test Report

ISO/IEC 17025  
Accreditation No. 1031/47

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595105**

Date Received : Dec 03, 2025

Date Reported : Dec 17, 2025

Report Number : 3426382-1

Page 1 of 2

<b>Sample Number</b>	2595105-1						
<b>Sampled Date</b>	Dec 02, 2025 11:30 AM						
<b>Sample Description</b>	Cooling Water						
<b>Location</b>	ถังพักน้ำหล่อเย็น						
<b>Date Analysis Commenced</b>	Dec 03, 2025						
<b>Condition of Sample</b>	Contained in two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium *	mmol/L	0.002	0.004	1.51	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.60	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	-	8.45	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	12.3	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl	mg/L	0.06	0.2	480	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.3	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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



## Analysis / Test Report

ISO/IEC 17025  
Accreditation No. 1031/47

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595105**

Date Received : Dec 03, 2025

Date Reported : Dec 17, 2025

Report Number : 3426382-1

Page 2 of 2

**Sample Number** : 2595105-1  
**Sampled Date** : Dec 02, 2025 11:30 AM  
**Sample Description** : Cooling Water  
**Location** : ถังพักน้ำหล่อเย็น  
**Date Analysis Commenced** : Dec 03, 2025  
**Condition of Sample** : Contained in two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1029	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Sattawat Kaewkanha

Remark :

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

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

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
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# ภาคผนวก ค-7

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ใบรับรองผลการตรวจวัดคุณภาพน้ำทิ้ง





## Analysis / Test Report

TESTING  
No.0009

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2558351**  
Date Received : Jul 03, 2025  
Date Reported : Jul 09, 2025  
Report Number : 3336665-1

Page 1 of 1

<b>Sample Number</b>	2558351-1
<b>Sampled Date</b>	Jul 02, 2025 10:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้งรวม
<b>Date Analysis Commenced</b>	Jul 03, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	396	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Dunlayaphon Sonnok ทะเบียนเลขที่ ว-204-จ-0099

Remark :

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

Technical Management

*Siriluk P.*

Siriluk Bunnak  
Section Head  
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

*Kanok Korn Anek*

Kanokkorn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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



## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2567773**

Date Received : Aug 07, 2025

Date Reported : Aug 14, 2025

Report Number : 3362272-1

**Client** : Buayai Bio Power Co., Ltd.

188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 1

<b>Sample Number</b>	2567773-1
<b>Sampled Date</b>	Aug 06, 2025 10:15 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้งรวม
<b>Date Analysis Commenced</b>	Aug 08, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	408	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Jessadin Kongsukdithai ทะเบียนเลขที่ ว-204-จ-0049

Remark :

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

Technical Management

*Siriluk P.*

Siriluk Bunnak  
Section Head

ทะเบียนเลขที่ ว-204-จ-0013

Approved by

*Kanok Korn Anek*

Kanokkorn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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



## Analysis / Test Report

TESTING  
No.0009

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2580870**  
Date Received : Sep 04, 2025  
Date Reported : Sep 10, 2025  
Report Number : 3391619-1

Page 1 of 1

<b>Sample Number</b>	2580870-1
<b>Sampled Date</b>	Sep 03, 2025 10:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้งรวม
<b>Date Analysis Commenced</b>	Sep 05, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.3	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	288	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Somboon Butchan ทะเบียนเลขที่ ว-204-จ-0069

Remark :

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

Technical Management

Siriluk P.

Siriluk Bunnak  
Section Head  
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanok Korn Anek

Kanokkorn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2586576**

Date Received : Oct 02, 2025

Date Reported : Oct 08, 2025

Report Number : 3406127-1

**Client** : Buayai Bio Power Co., Ltd.

188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 1

<b>Sample Number</b>	2586576-1
<b>Sampled Date</b>	Oct 01, 2025 10:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้งรวม
<b>Date Analysis Commenced</b>	Oct 03, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	380	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Sattawat Kaewkanha ทะเบียนเลขที่ ว-204-จ-0198

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Siriluk P.

Siriluk Bunnak  
Section Head

ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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



## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2589736**

Date Received : Nov 06, 2025

Date Reported : Nov 12, 2025

Report Number : 3426443-1

**Client** : Buayai Bio Power Co., Ltd.

188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

Page 1 of 1

<b>Sample Number</b>	2589736-1
<b>Sampled Date</b>	Nov 05, 2025 10:35 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้งรวม
<b>Date Analysis Commenced</b>	Nov 07, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	396	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Wikrom Meesiri ทะเบียนเลขที่ ว-204-จ-0199

Remark :

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

**Technical Management**

*Nant Somb*

Nanthawadee Somboon

Specialist 2

ทะเบียนเลขที่ ว-204-จ-0010

**Approved by**

*Kanok Korn Anek*

Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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

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

Life Sciences

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## Analysis / Test Report

TESTING  
No.0009

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595106**  
Date Received : Dec 03, 2025  
Date Reported : Dec 11, 2025  
Report Number : 3426384-1

Page 1 of 1

<b>Sample Number</b>	2595106-1
<b>Sampled Date</b>	Dec 02, 2025 11:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้งรวม
<b>Date Analysis Commenced</b>	Dec 04, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	396	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

**Sampling By** : Sattawat Kaewkanha ทะเบียนเลขที่ ว-204-จ-0198

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-0004

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

# ภาคผนวก ค-8

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ใบรับรองผลการตรวจวัดคุณภาพน้ำฝน



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2558357**

Date Received : Jul 30, 2025  
Date Reported : Aug 04, 2025  
Report Number : 3336678-1

Page 1 of 2

**Sample Number** : 2558357-1  
**Sampled Date** : Jul 28, 2025 8:30 PM  
**Sample Description** : Raining Water  
**Location** : บริเวณพื้นที่โครงการ  
**Date Analysis Commenced** : Jul 31, 2025  
**Condition of Sample** : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	<0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.6	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	2.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2558357**

Date Received : Jul 30, 2025  
Date Reported : Aug 04, 2025  
Report Number : 3336678-1

Page 2 of 2

**Sample Number** : 2558357-2  
**Sampled Date** : Jul 28, 2025 8:30 PM  
**Sample Description** : Raining Water  
**Location** : บ้านด่านช้าง หมู่ที่ 1 ต. ห้วยยาง  
**Date Analysis Commenced** : Jul 31, 2025  
**Condition of Sample** : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	1.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2567776**

Date Received : Aug 12, 2025

Date Reported : Aug 18, 2025

Report Number : 3362273-1

Page 1 of 2

**Sample Number** : 2567776-1  
**Sampled Date** : Aug 08, 2025 6:20 PM  
**Sample Description** : Raining Water  
**Location** : บริเวณพื้นที่โครงการ  
**Date Analysis Commenced** : Aug 12, 2025  
**Condition of Sample** : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

Remark :

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2567776**

Date Received : Aug 12, 2025  
Date Reported : Aug 18, 2025  
Report Number : 3362273-1

Page 2 of 2

**Sample Number** : 2567776-2  
**Sampled Date** : Aug 09, 2025 5:00 PM  
**Sample Description** : Raining Water  
**Location** : บ้านด่านช้าง หมู่ที่ 1 ต. ห้วยยาง  
**Date Analysis Commenced** : Aug 12, 2025  
**Condition of Sample** : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	0.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2575880**

Date Received : Sep 11, 2025  
Date Reported : Sep 16, 2025  
Report Number : 3403900-1

Page 1 of 2

<b>Sample Number</b>	2575880-1
<b>Sampled Date</b>	Sep 08, 2025 12:00 PM
<b>Sample Description</b>	Raining Water
<b>Location</b>	บริเวณพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Sep 12, 2025
<b>Condition of Sample</b>	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	<0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.7	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	0.6	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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

Approved by

Tanyatorn Mongkonjirawut  
Supervisor

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2575880**

Date Received : Sep 11, 2025  
Date Reported : Sep 16, 2025  
Report Number : 3403900-1

Page 2 of 2

<b>Sample Number</b>	2575880-2
<b>Sampled Date</b>	Sep 08, 2025 12:00 PM
<b>Sample Description</b>	Raining Water
<b>Location</b>	บ้านด่านช้าง หมู่ที่ 1 ต. ห้วยยาง
<b>Date Analysis Commenced</b>	Sep 12, 2025
<b>Condition of Sample</b>	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	<0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	<0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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

Approved by

Tanyatorn Mongkonjirawut  
Supervisor

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2586577**

Date Received : Oct 16, 2025  
Date Reported : Oct 21, 2025  
Report Number : 3406128-1

Page 1 of 2

**Sample Number** : 2586577-1  
**Sampled Date** : Oct 10, 2025 7:00 PM  
**Sample Description** : Raining Water  
**Location** : บริเวณพื้นที่โครงการ  
**Date Analysis Commenced** : Oct 17, 2025  
**Condition of Sample** : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	<0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	1.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2586577**

Date Received : Oct 16, 2025  
Date Reported : Oct 21, 2025  
Report Number : 3406128-1

Page 2 of 2

**Sample Number** : 2586577-2  
**Sampled Date** : Oct 10, 2025 7:00 PM  
**Sample Description** : Raining Water  
**Location** : บ้านด่านช้าง หมู่ที่ 1 ต. ห้วยยาง  
**Date Analysis Commenced** : Oct 17, 2025  
**Condition of Sample** : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	0.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	5.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	0.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2589739**

Date Received : Nov 11, 2025

Date Reported : Nov 14, 2025

Report Number : 3426444-1

Page 1 of 2

**Sample Number** : 2589739-1  
**Sampled Date** : Nov 08, 2025 5:00 PM  
**Sample Description** : Raining Water  
**Location** : บริเวณพื้นที่โครงการ  
**Date Analysis Commenced** : Nov 12, 2025  
**Condition of Sample** : Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	<0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	7.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	0.7	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

Remark :

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

Approved by

Nanthawadee Somboon  
Specialist 2

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2589739**

Date Received : Nov 11, 2025

Date Reported : Nov 14, 2025

Report Number : 3426444-1

Page 2 of 2

<b>Sample Number</b>	2589739-2
<b>Sampled Date</b>	Nov 08, 2025 5:00 PM
<b>Sample Description</b>	Raining Water
<b>Location</b>	บ้านด่านช้าง หมู่ที่ 1 ต. ห้วยยาง
<b>Date Analysis Commenced</b>	Nov 12, 2025
<b>Condition of Sample</b>	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Nitrate as N	mg/L	0.06	0.2	0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.6	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfate	mg/L	0.15	0.5	<0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

Remark :

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

Approved by

Nanthawadee Somboon  
Specialist 2

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# ภาคผนวก ค-9

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ใบรับรองผลการตรวจวัดคุณภาพน้ำใต้ดิน



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

Page 1 of 12

Sample Number	2595110-1							
Sampled Date	Dec 03, 2025 11:00 AM							
Sample Description	Ground Water							
Location	บ่อสังเกตการณ์ (Monitoring Well) ของโครงการ (MW1)							
Date Analysis Commenced	Dec 04, 2025							
Condition of Sample	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, 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	0.002	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	235	No Standard	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

Page 2 of 12

<b>Sample Number</b>	2595110-1							
<b>Sampled Date</b>	Dec 03, 2025 11:00 AM							
<b>Sample Description</b>	Ground Water							
<b>Location</b>	บ่อสังเกตการณ์ (Monitoring Well) ของโครงการ (MW1)							
<b>Date Analysis Commenced</b>	Dec 04, 2025							
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
pH at 25 degree C		-	-	8.4	No Standard	6.5 - 9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	426	No Standard	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : (1) : Notification of the National Environmental Board, No. 20, B.E.2543  
(2) : Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable., (1) Suitable Allowance

**Sampling By** : Wikrom Meesiri

Remark :

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

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

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** : PO24-00065

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**

**No.0009**

**Lot ID: 2595110**

Date Received : Dec 04, 2025

Date Reported : Dec 12, 2025

Report Number : 3426386-1

Page 3 of 12

Sample Number	2595110-2							
Sampled Date	Dec 03, 2025 10:00 AM							
Sample Description	Ground Water							
Location	บ่อสังเกตการณ์ (Monitoring Well) ของโครงการ (MW2)							
Date Analysis Commenced	Dec 04, 2025							
Condition of Sample	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, 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	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	7.8	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	524	No Standard	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

Page 4 of 12

<b>Sample Number</b>	2595110-2							
<b>Sampled Date</b>	Dec 03, 2025 10:00 AM							
<b>Sample Description</b>	Ground Water							
<b>Location</b>	บ่อสังเกตการณ์ (Monitoring Well) ของโครงการ (MW2)							
<b>Date Analysis Commenced</b>	Dec 04, 2025							
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
pH at 25 degree C		-	-	6.6	No Standard	6.5 - 9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	8680	No Standard	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	150	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : (1) : Notification of the National Environmental Board, No. 20, B.E.2543  
(2) : Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable., (1) Suitable Allowance

**Sampling By** : Wikrom Meesiri

Remark :

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

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Approved by

*Savitree N.*

Savitree Noisangiam  
Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

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Sample Number	2595110-3							
Sampled Date	Dec 03, 2025 12:00 PM							
Sample Description	Ground Water							
Location	บ่อสังเกตการณ์ (Monitoring Well) ของโครงการ (MW3)							
Date Analysis Commenced	Dec 04, 2025							
Condition of Sample	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, 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	0.002	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	364	No Standard	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

Page 6 of 12

<b>Sample Number</b>	2595110-3							
<b>Sampled Date</b>	Dec 03, 2025 12:00 PM							
<b>Sample Description</b>	Ground Water							
<b>Location</b>	บ่อสังเกตการณ์ (Monitoring Well) ของโครงการ (MW3)							
<b>Date Analysis Commenced</b>	Dec 04, 2025							
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
pH at 25 degree C		-	-	7.7	No Standard	6.5 - 9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	611	No Standard	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	8	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : (1) : Notification of the National Environmental Board, No. 20, B.E.2543  
(2) : Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable., (1) Suitable Allowance

**Sampling By** : Wikrom Meesiri

Remark :

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

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

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<b>Sample Number</b>	2595110-4						
<b>Sampled Date</b>	Dec 03, 2025 12:30 PM						
<b>Sample Description</b>	Ground Water						
<b>Location</b>	บ่อน้ำบาดาล ของกรมทรัพยากรน้ำบาดาล (GW1)						
<b>Date Analysis Commenced</b>	Dec 04, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<b>Water Testing</b>								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	1635	No Standard	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok

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

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

Page 8 of 12

<b>Sample Number</b>	2595110-4							
<b>Sampled Date</b>	Dec 03, 2025 12:30 PM							
<b>Sample Description</b>	Ground Water							
<b>Location</b>	บ่อน้ำบาดาล ของกรมทรัพยากรน้ำบาดาล (GW1)							
<b>Date Analysis Commenced</b>	Dec 04, 2025							
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
pH at 25 degree C		-	-	7.2	No Standard	6.5 - 9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	3184	No Standard	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : (1) : Notification of the National Environmental Board, No. 20, B.E.2543  
(2) : Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable., (1) Suitable Allowance

**Sampling By** : Wikrom Meesiri

Remark :

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

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :** PO24-00065

**Project Name :** Project 55 MW

**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**

**No.0009**

**Lot ID: 2595110**

Date Received : Dec 04, 2025

Date Reported : Dec 12, 2025

Report Number : 3426386-1

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<b>Sample Number</b>	2595110-5						
<b>Sampled Date</b>	Dec 03, 2025 1:00 PM						
<b>Sample Description</b>	Ground Water						
<b>Location</b>	บ่อน้ำบาดาล ของกรมทรัพยากรน้ำบาดาล (GW2)						
<b>Date Analysis Commenced</b>	Dec 04, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<b>Water Testing</b>								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	931	No Standard	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

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<b>Sample Number</b>	2595110-5							
<b>Sampled Date</b>	Dec 03, 2025 1:00 PM							
<b>Sample Description</b>	Ground Water							
<b>Location</b>	บ่อน้ำบาดาล ของกรมทรัพยากรน้ำบาดาล (GW2)							
<b>Date Analysis Commenced</b>	Dec 04, 2025							
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline (1)</b>	<b>Guideline (2)</b>	<b>Method</b>	<b>Testing Location</b>
<b>Water Testing</b>								
pH at 25 degree C		-	-	7.1	No Standard	6.5 - 9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	25.9	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	2240	No Standard	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : (1) : Notification of the National Environmental Board, No. 20, B.E.2543  
(2) : Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable., (1) Suitable Allowance

**Sampling By** : Wikrom Meesiri

Remark :

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

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

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Sample Number	2595110-6							
Sampled Date	Dec 03, 2025 1:15 PM							
Sample Description	Ground Water							
Location	บ่อน้ำบาดาล ของกรมทรัพยากรน้ำบาดาล (GW3)							
Date Analysis Commenced	Dec 04, 2025							
Condition of Sample	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, 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	0.001	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	375	No Standard	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**TESTING**  
**No.0009**  
**Lot ID: 2595110**  
Date Received : Dec 04, 2025  
Date Reported : Dec 12, 2025  
Report Number : 3426386-1

Page 12 of 12

<b>Sample Number</b>	2595110-6							
<b>Sampled Date</b>	Dec 03, 2025 1:15 PM							
<b>Sample Description</b>	Ground Water							
<b>Location</b>	บ่อน้ำบาดาล ของกรมทรัพยากรน้ำบาดาล (GW3)							
<b>Date Analysis Commenced</b>	Dec 04, 2025							
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
pH at 25 degree C		-	-	7.3	No Standard	6.5 - 9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.4	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	986	No Standard	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

**Guideline** : (1) : Notification of the National Environmental Board, No. 20, B.E.2543  
(2) : Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable., (1) Suitable Allowance

**Sampling By** : Wikrom Meesiri

Remark :

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

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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# ภาคผนวก ค-10

ใบรับรองผลการตรวจวัดทรัพยากรดินและน้ำ



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595111**

Date Received : Dec 03, 2025

Date Reported : Dec 25, 2025

Report Number : 3463997-1

Page 1 of 9

**Sample Number** : 2595111-1  
**Sampled Date** : Dec 02, 2025 10:40 AM  
**Sample Description** : Soil  
**Location** : ดินทราย  
**Date Analysis Commenced** : Dec 03, 2025  
**Condition of Sample** : Packed in one amber glass bottle and three plastic bags, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Chemical Testing</b>							
Conductivity aqueous phase 20% (w/v)	micromhos/cm	-	-	1542	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Organic matter	%	-	0.05	0.10	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
<b>Metals Testing</b>							
Arsenic	mg/kg	-	0.50	0.84	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	1.75	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
<b>Particle Size</b>							
Particle size	%	-	-	100	No Standard	Dry Sieve Analysis	Bangkok
Particle size <0.075 mm	%	-	-	33.08	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.075 mm	%	-	-	34.46	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.15 mm	%	-	-	3.49	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.18 mm	%	-	-	6.08	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.42 mm	%	-	-	3.74	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.85 mm	%	-	-	4.29	No Standard	Dry Sieve Analysis	Bangkok
Particle size 2.0 mm	%	-	-	3.79	No Standard	Dry Sieve Analysis	Bangkok
Particle size 2.36 mm	%	-	-	10.97	No Standard	Dry Sieve Analysis	Bangkok
Particle size 4.76 mm	%	-	-	0.10	No Standard	Dry Sieve Analysis	Bangkok

### Physical Parameters

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595111**

Date Received : Dec 03, 2025

Date Reported : Dec 25, 2025

Report Number : 3463997-1

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<b>Sample Number</b>	2595111-1
<b>Sampled Date</b>	Dec 02, 2025 10:40 AM
<b>Sample Description</b>	Soil
<b>Location</b>	ดินทราย
<b>Date Analysis Commenced</b>	Dec 03, 2025
<b>Condition of Sample</b>	Packed in one amber glass bottle and three plastic bags, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Physical Parameters</b>							
Clay	%	-	-	0.2	No Standard	Hydrometer	Bangkok
Moisture	%	-	0.1	13.0	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok
Sand	%	-	-	84.3	No Standard	Hydrometer	Bangkok
Silt	%	-	-	15.5	No Standard	Hydrometer	Bangkok
Soil Texture		-	-	Loamy Sand	No Standard	Hydrometer	Bangkok
<b>Soil Testing</b>							
Available Phosphorus	mg/kg	-	10	<10	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Available Potassium	mg/kg	-	20.0	21.1	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Cation Exchange Capacity	cmol/kg	-	1	1.1	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Calcium	mg/kg	-	20.0	81.5	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Magnesium	mg/kg	-	20.0	<20.0	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Potassium	mg/kg	-	20.0	<20.0	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Sodium	mg/kg	-	20.0	<20.0	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
pH aqueous phase 50% (w/v)		-	-	7.3	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok
Total Nitrogen	mg/kg	-	5	81.1	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok

**Guideline** : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564  
Class 2: Soil usage for commercial, agricultural and others.

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595111**

Date Received : Dec 03, 2025

Date Reported : Dec 25, 2025

Report Number : 3463997-1

Page 3 of 9

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Sattawat Kaewkanha

Remark :

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

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595111**

Date Received : Dec 03, 2025

Date Reported : Dec 25, 2025

Report Number : 3463997-1

Page 4 of 9

<b>Sample Number</b>	2595111-2
<b>Sampled Date</b>	Dec 02, 2025 10:00 AM
<b>Sample Description</b>	Soil
<b>Location</b>	ดินร่วน
<b>Date Analysis Commenced</b>	Dec 03, 2025
<b>Condition of Sample</b>	Packed in one amber glass bottle and three plastic bags, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Chemical Testing</b>							
Conductivity aqueous phase 20% (w/v)	micromhos/cm	-	-	226	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Organic matter	%	-	0.05	0.47	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
<b>Metals Testing</b>							
Arsenic	mg/kg	-	0.50	1.04	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	4.91	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
<b>Particle Size</b>							
Particle size	%	-	-	100	No Standard	Dry Sieve Analysis	Bangkok
Particle size <0.075 mm	%	-	-	55.75	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.075 mm	%	-	-	0.05	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.15 mm	%	-	-	0.42	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.18 mm	%	-	-	2.42	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.42 mm	%	-	-	1.65	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.85 mm	%	-	-	3.10	No Standard	Dry Sieve Analysis	Bangkok
Particle size 2.0 mm	%	-	-	1.60	No Standard	Dry Sieve Analysis	Bangkok
Particle size 2.36 mm	%	-	-	4.99	No Standard	Dry Sieve Analysis	Bangkok
Particle size 4.76 mm	%	-	-	30.02	No Standard	Dry Sieve Analysis	Bangkok

### Physical Parameters

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595111**

Date Received : Dec 03, 2025

Date Reported : Dec 25, 2025

Report Number : 3463997-1

Page 5 of 9

<b>Sample Number</b>	2595111-2						
<b>Sampled Date</b>	Dec 02, 2025 10:00 AM						
<b>Sample Description</b>	Soil						
<b>Location</b>	ดินร่วน						
<b>Date Analysis Commenced</b>	Dec 03, 2025						
<b>Condition of Sample</b>	Packed in one amber glass bottle and three plastic bags, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Physical Parameters</b>							
Clay	%	-	-	8.1	No Standard	Hydrometer	Bangkok
Moisture	%	-	0.1	15.2	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok
Sand	%	-	-	68.5	No Standard	Hydrometer	Bangkok
Silt	%	-	-	23.4	No Standard	Hydrometer	Bangkok
Soil Texture		-	-	Sandy Loam	No Standard	Hydrometer	Bangkok
<b>Soil Testing</b>							
Available Phosphorus	mg/kg	-	10	<10	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Available Potassium	mg/kg	-	20.0	413	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Cation Exchange Capacity	cmol/kg	-	1	6.2	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Calcium	mg/kg	-	20.0	250	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Magnesium	mg/kg	-	20.0	22.3	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Potassium	mg/kg	-	20.0	131	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Sodium	mg/kg	-	20.0	89.0	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
pH aqueous phase 50% (w/v)		-	-	8.0	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok
Total Nitrogen	mg/kg	-	5	182	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok

**Guideline** : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564  
Class 2: Soil usage for commercial, agricultural and others.

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595111**

Date Received : Dec 03, 2025

Date Reported : Dec 25, 2025

Report Number : 3463997-1

Page 6 of 9

**Note** : Analysis Results expressed on dry basis.

**Sampling By** : Sattawat Kaewkanha

Remark :

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

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595111**

Date Received : Dec 03, 2025

Date Reported : Dec 25, 2025

Report Number : 3463997-1

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<b>Sample Number</b>	2595111-3
<b>Sampled Date</b>	Dec 02, 2025 10:20 AM
<b>Sample Description</b>	Soil
<b>Location</b>	ดินเหนียว
<b>Date Analysis Commenced</b>	Dec 03, 2025
<b>Condition of Sample</b>	Packed in one amber glass bottle and three plastic bags, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Chemical Testing</b>							
Conductivity aqueous phase 20% (w/v)	micromhos/cm	-	-	92.4	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Organic matter	%	-	0.05	0.53	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
<b>Metals Testing</b>							
Arsenic	mg/kg	-	0.50	2.10	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	12.2	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
<b>Particle Size</b>							
Particle size	%	-	-	100	No Standard	Dry Sieve Analysis	Bangkok
Particle size <0.075 mm	%	-	-	31.98	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.075 mm	%	-	-	0.72	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.15 mm	%	-	-	0.38	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.18 mm	%	-	-	1.58	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.42 mm	%	-	-	1.48	No Standard	Dry Sieve Analysis	Bangkok
Particle size 0.85 mm	%	-	-	3.01	No Standard	Dry Sieve Analysis	Bangkok
Particle size 2.0 mm	%	-	-	1.00	No Standard	Dry Sieve Analysis	Bangkok
Particle size 2.36 mm	%	-	-	1.63	No Standard	Dry Sieve Analysis	Bangkok
Particle size 4.76 mm	%	-	-	58.22	No Standard	Dry Sieve Analysis	Bangkok

### Physical Parameters

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595111**

Date Received : Dec 03, 2025

Date Reported : Dec 25, 2025

Report Number : 3463997-1

Page 8 of 9

<b>Sample Number</b>	2595111-3
<b>Sampled Date</b>	Dec 02, 2025 10:20 AM
<b>Sample Description</b>	Soil
<b>Location</b>	ดินเหนียว
<b>Date Analysis Commenced</b>	Dec 03, 2025
<b>Condition of Sample</b>	Packed in one amber glass bottle and three plastic bags, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Physical Parameters</b>							
Clay	%	-	-	28.2	No Standard	Hydrometer	Bangkok
Moisture	%	-	0.1	17.0	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok
Sand	%	-	-	56.6	No Standard	Hydrometer	Bangkok
Silt	%	-	-	15.2	No Standard	Hydrometer	Bangkok
Soil Texture		-	-	Sandy Clay Loam	No Standard	Hydrometer	Bangkok
<b>Soil Testing</b>							
Available Phosphorus	mg/kg	-	10	<10	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Available Potassium	mg/kg	-	20.0	172	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Cation Exchange Capacity	cmol/kg	-	1	13.4	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Calcium	mg/kg	-	20.0	859	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Magnesium	mg/kg	-	20.0	120	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Potassium	mg/kg	-	20.0	63.7	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
Exchangeable Sodium	mg/kg	-	20.0	186	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
pH aqueous phase 50% (w/v)		-	-	5.6	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok
Total Nitrogen	mg/kg	-	5	163	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok

**Guideline** : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564  
Class 2: Soil usage for commercial, agricultural and others.

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2595111**

Date Received : Dec 03, 2025

Date Reported : Dec 25, 2025

Report Number : 3463997-1

Page 9 of 9

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Sattawat Kaewkanha

Remark :

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

Approved by

Siriluk P.

Siriluk Bunnak  
Section Head

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





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2589788**

Date Received : Nov 06, 2025  
Date Reported : Nov 22, 2025  
Report Number : 3427930-1

Page 1 of 1

<b>Sample Number</b>	2589788-1
<b>Sampled Date</b>	Nov 05, 2025 10:50 AM
<b>Sample Description</b>	Solid Waste
<b>Location</b>	ตัวอย่างได้จากไซโลเก็บเศษของโครงการ
<b>Date Analysis Commenced</b>	Oct 07, 2025
<b>Condition of Sample</b>	Packed in three plastic bags and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Physical Parameters</b>							
pH aqueous phase 50% (w/v)		-	-	12.7	2.1-12.4	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok
<b>Total Concentration Test (TTLC)</b>							
Conductivity aqueous phase 10% (W/V)	micromhos/cm	-	-	8834	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
<b>Total Concentration Test (TTLC) : Metals</b>							
Arsenic	mg/kg	-	0.50	3.18	<500	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	<100	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	2.30	<1000	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	1747	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	<20	United States Environmental Protection Agency, EPA Method 7473	Bangkok

**Guideline** : Notification of the Ministry of Industry regarding Waste or Used Material Disposal, B.E. 2566 (2023).

**Sampling By** : Wikrom Meesiri

Remark :

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

Approved by

*Chanatt L.*

Chanattagarn Imchom  
Section Head

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



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2589788**

Date Received : Nov 06, 2025  
Date Reported : Nov 28, 2025  
Report Number : 3427930-2

Page 1 of 1

**Sample Number** : 2589788-1  
**Sampled Date** : Nov 05, 2025 10:50 AM  
**Sample Description** : Solid Waste  
**Location** : ตัวอย่างได้จากไซโลเก็บเศษของโครงการ  
**Date Analysis Commenced** : Nov 06, 2025  
**Condition of Sample** : Packed in three plastic bags and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Total Concentration Test (TTLC)</b>							
Conductivity aqueous phase 10% (W/V)	micromhos/cm	-	-	8834	No Standard	Soil Chemical Methods - Australasia (2011)	Bangkok
<b>Total Concentration Test (TTLC) : Metals</b>							
Manganese	mg/kg	-	1.00	1747	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok

**Guideline** : Notification of the Ministry of Industry regarding Waste or Used Material Disposal, B.E. 2566 (2023).

**Sampling By** : Wikrom Meesiri

Remark :

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

Approved by

Chanattagarn Imchom  
Section Head

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

# ELECTRICITY GENERATING AUTHORITY OF THAILAND

## TEST REPORT

### FOR ASH ANALYSIS

Customer : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

Lab No.	680712-01		
Sample Name	2589788-1	Sampled Date	14/11/2025
Sample Description	ตัวอย่างเถ้าจากไซโลเก็บเถ้าของโครงการ	Received Date	14/11/2025
Sample Condition	Normal	Analysed Date	24/11/2025

ASH COMPOSITION	Unit	Method	Result
Fe <sub>2</sub> O <sub>3</sub>	%	ASTM D4326-13	1.38
Al <sub>2</sub> O <sub>3</sub>	%	ASTM D4326-13	1.73
MgO	%	ASTM D4326-13	2.42
SiO <sub>2</sub>	%	ASTM D4326-13	61.86
CaO	%	ASTM D4326-13	20.37
K <sub>2</sub> O	%	ASTM D4326-13	7.32
Na <sub>2</sub> O	%	ASTM D4326-13	0.33
TiO <sub>2</sub>	%	ASTM D4326-13	0.12
MnO <sub>2</sub>	%	ASTM D4326-13	0.50
P <sub>2</sub> O <sub>5</sub>	%	ASTM D4326-13	1.99
SO <sub>3</sub>	%	ASTM D5016-08 <sup>ε1</sup>	1.99
CaO free SO <sub>3</sub>	%	-	20.78
Na <sub>2</sub> O free SO <sub>3</sub>	%	-	0.34

Remark : The results relate only to the sample tested. This document shall not be reproduced except in full.

Reported By : T. Mathurot Tulapan  
( Ms. Mathurot Tulapan )  
SCIENTIST LEVEL 7

Approved By : N. Whangdeeniran  
( Ms. Nucharin Whangdeeniran )  
CHIEF OF LABORATORY

# ภาคผนวก ค-11

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ใบรับรองผลการตรวจวัดระดับเสียงในสถานที่ทำงาน



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414534-1

Page 1 of 1

**Sample Number** 2581107-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา 1 : 08.00 - 16.00)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	73.4	80.7	72.5
09:00 AM - 10:00 AM	73.4	81.8	72.4
10:00 AM - 11:00 AM	74.4	80.7	72.1
11:00 AM - 12:00 PM	72.1	79.5	71.1
12:00 PM - 01:00 PM	72.3	93.8	71.2
01:00 PM - 02:00 PM	71.3	79.9	70.6
02:00 PM - 03:00 PM	71.0	79.8	70.3
03:00 PM - 04:00 PM	71.3	80.3	70.2

Leq Average 8 hrs. (dB(A)) 72.6  
Lmax (dB(A)) 93.8  
Standard (dB(A)) 90  
Reference Method : Based on ISO1996-1 and 1996-2  
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414535-1

Page 1 of 1

**Sample Number** 2581107-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา 2 : 16.00 - 24.00)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	72.0	81.9	70.3
05:00 PM - 06:00 PM	75.3	83.8	72.5
06:00 PM - 07:00 PM	74.4	80.8	72.8
07:00 PM - 08:00 PM	72.6	81.1	71.1
08:00 PM - 09:00 PM	72.2	79.1	70.6
09:00 PM - 10:00 PM	72.4	79.5	71.4
10:00 PM - 11:00 PM	73.3	80.0	72.4
11:00 PM - 12:00 AM	73.1	80.4	72.2

Leq Average 8 hrs. (dB(A)) 73.3  
Lmax (dB(A)) 83.8  
Standard (dB(A)) 90  
Reference Method : Based on ISO1996-1 and 1996-2  
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414536-1

Page 1 of 1

**Sample Number** 2581107-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา 3 : 00.00 - 08.00)  
**Measurement Date** Sep 17, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	73.1	80.2	72.3
01:00 AM - 02:00 AM	75.6	82.5	73.1
02:00 AM - 03:00 AM	73.0	79.2	72.2
03:00 AM - 04:00 AM	72.7	89.9	71.9
04:00 AM - 05:00 AM	73.1	79.1	71.9
05:00 AM - 06:00 AM	74.2	79.6	72.0
06:00 AM - 07:00 AM	72.9	78.9	72.3
07:00 AM - 08:00 AM	72.6	79.0	71.9

Leq Average 8 hrs. (dB(A))

73.5

Lmax (dB(A))

89.9

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414537-1

Page 1 of 1

**Sample Number** 2581107-4  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา 1 : 08.00 - 16.00)  
**Measurement Date** Sep 17, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	73.0	80.6	72.1
09:00 AM - 10:00 AM	74.2	81.5	72.6
10:00 AM - 11:00 AM	74.1	81.1	73.0
11:00 AM - 12:00 PM	73.1	79.8	71.7
12:00 PM - 01:00 PM	72.8	82.2	71.7
01:00 PM - 02:00 PM	73.1	80.5	72.4
02:00 PM - 03:00 PM	73.0	79.4	72.3
03:00 PM - 04:00 PM	73.5	79.4	72.7

Leq Average 8 hrs. (dB(A))

73.4

Lmax (dB(A))

82.2

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*

Supot Salamteh  
Section Head





## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414538-1

Page 1 of 1

**Sample Number** 2581107-5  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา 2 : 16.00 - 24.00)  
**Measurement Date** Sep 17, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	73.8	79.7	73.1
05:00 PM - 06:00 PM	77.2	82.8	74.0
06:00 PM - 07:00 PM	74.6	82.4	73.0
07:00 PM - 08:00 PM	73.2	90.7	71.8
08:00 PM - 09:00 PM	74.0	80.6	73.0
09:00 PM - 10:00 PM	74.2	80.5	73.5
10:00 PM - 11:00 PM	75.0	81.6	74.1
11:00 PM - 12:00 AM	75.7	80.5	74.7

Leq Average 8 hrs. (dB(A))

74.9

Lmax (dB(A))

90.7

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414539-1

Page 1 of 1

**Sample Number** 2581107-6  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา 3 : 00.00 - 08.00)  
**Measurement Date** Sep 18, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	74.7	79.4	73.4
01:00 AM - 02:00 AM	75.8	83.5	73.8
02:00 AM - 03:00 AM	73.4	80.7	72.7
03:00 AM - 04:00 AM	73.8	89.2	72.5
04:00 AM - 05:00 AM	75.9	82.9	73.1
05:00 AM - 06:00 AM	75.6	81.4	74.0
06:00 AM - 07:00 AM	74.2	81.5	73.6
07:00 AM - 08:00 AM	74.2	83.1	73.4

Leq Average 8 hrs. (dB(A))

74.8

Lmax (dB(A))

89.2

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ. ๒๕๔๖

Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414540-1

Page 1 of 1

**Sample Number** 2581107-7  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา ที่ 1 : 08.00 - 16.00)  
**Measurement Date** Sep 18, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	74.1	82.9	73.5
09:00 AM - 10:00 AM	74.0	80.3	73.3
10:00 AM - 11:00 AM	75.5	82.2	73.8
11:00 AM - 12:00 PM	72.7	80.1	71.3
12:00 PM - 01:00 PM	72.4	81.9	71.1
01:00 PM - 02:00 PM	71.7	79.4	71.3
02:00 PM - 03:00 PM	71.8	79.3	71.3
03:00 PM - 04:00 PM	72.2	78.5	71.5

Leq Average 8 hrs. (dB(A))

73.2

Lmax (dB(A))

82.9

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

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Approved by

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Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414541-1

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**Sample Number** 2581107-8  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา ที่ 2 : 16.00 - 24.00)  
**Measurement Date** Sep 18, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	73.1	79.6	72.3
05:00 PM - 06:00 PM	76.6	81.9	73.3
06:00 PM - 07:00 PM	73.7	81.2	72.1
07:00 PM - 08:00 PM	72.6	92.8	71.7
08:00 PM - 09:00 PM	73.5	81.6	71.7
09:00 PM - 10:00 PM	74.1	80.1	73.3
10:00 PM - 11:00 PM	75.4	83.1	73.3
11:00 PM - 12:00 AM	73.9	79.7	73.4

Leq Average 8 hrs. (dB(A))

74.3

Lmax (dB(A))

92.8

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414542-1

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**Sample Number** 2581107-9  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา 3 : 00.00 - 08.00)  
**Measurement Date** Sep 19, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	74.4	82.9	73.6
01:00 AM - 02:00 AM	75.6	82.2	73.9
02:00 AM - 03:00 AM	74.1	83.7	73.1
03:00 AM - 04:00 AM	73.6	83.1	72.9
04:00 AM - 05:00 AM	74.4	80.1	73.2
05:00 AM - 06:00 AM	75.7	81.5	73.8
06:00 AM - 07:00 AM	74.0	80.3	73.4
07:00 AM - 08:00 AM	73.6	80.4	73.1

Leq Average 8 hrs. (dB(A))

74.5

Lmax (dB(A))

83.7

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025

Date Reported : Sep 24, 2025

Report Number: 3414543-1

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**Sample Number** 2581107-10  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา 1 : 08.00 - 16.00)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	62.6	75.2	61.2
09:00 AM - 10:00 AM	68.7	84.4	61.3
10:00 AM - 11:00 AM	66.3	81.5	61.1
11:00 AM - 12:00 PM	65.9	80.5	61.2
12:00 PM - 01:00 PM	62.6	79.9	61.2
01:00 PM - 02:00 PM	64.3	80.5	61.2
02:00 PM - 03:00 PM	62.3	79.9	61.1
03:00 PM - 04:00 PM	61.9	77.2	61.2

Leq Average 8 hrs. (dB(A))

65.0

Lmax (dB(A))

84.4

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414544-1

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**Sample Number** 2581107-11  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา 2 : 16.00 - 24.00)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	65.7	81.0	61.2
05:00 PM - 06:00 PM	64.9	80.5	61.4
06:00 PM - 07:00 PM	64.4	80.4	61.2
07:00 PM - 08:00 PM	63.4	76.3	61.2
08:00 PM - 09:00 PM	65.0	81.6	61.4
09:00 PM - 10:00 PM	64.4	81.2	61.3
10:00 PM - 11:00 PM	66.1	79.3	61.4
11:00 PM - 12:00 AM	63.3	78.9	61.3

Leq Average 8 hrs. (dB(A))

64.7

Lmax (dB(A))

81.6

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414545-1

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**Sample Number** 2581107-12  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา 3 : 00.00 - 08.00)  
**Measurement Date** Sep 17, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	65.0	81.4	61.2
01:00 AM - 02:00 AM	63.4	81.0	61.1
02:00 AM - 03:00 AM	64.6	80.5	61.2
03:00 AM - 04:00 AM	62.2	79.5	61.1
04:00 AM - 05:00 AM	61.4	78.6	61.1
05:00 AM - 06:00 AM	61.7	77.8	61.1
06:00 AM - 07:00 AM	61.9	78.9	61.2
07:00 AM - 08:00 AM	62.4	75.7	61.2

Leq Average 8 hrs. (dB(A))

63.0

Lmax (dB(A))

81.4

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414546-1

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**Sample Number** 2581107-13  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา 1 : 08.00 - 16.00)  
**Measurement Date** Sep 17, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	63.1	80.8	61.1
09:00 AM - 10:00 AM	64.9	80.5	61.1
10:00 AM - 11:00 AM	63.4	80.0	61.1
11:00 AM - 12:00 PM	66.5	80.9	61.1
12:00 PM - 01:00 PM	62.1	77.2	61.1
01:00 PM - 02:00 PM	65.3	81.0	61.1
02:00 PM - 03:00 PM	65.8	80.1	61.1
03:00 PM - 04:00 PM	68.2	80.2	61.1

Leq Average 8 hrs. (dB(A))

65.3

Lmax (dB(A))

81.0

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414547-1

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**Sample Number** 2581107-14  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา 2 : 16.00 - 24.00)  
**Measurement Date** Sep 17, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	65.4	80.6	61.0
05:00 PM - 06:00 PM	64.6	83.3	61.2
06:00 PM - 07:00 PM	63.5	79.2	61.3
07:00 PM - 08:00 PM	63.8	81.0	61.2
08:00 PM - 09:00 PM	63.6	76.9	61.3
09:00 PM - 10:00 PM	62.7	78.9	61.1
10:00 PM - 11:00 PM	63.4	79.0	61.1
11:00 PM - 12:00 AM	61.9	77.5	61.1

Leq Average 8 hrs. (dB(A))

63.7

Lmax (dB(A))

83.3

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414548-1

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**Sample Number** 2581107-15  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา 3 : 00.00 - 08.00)  
**Measurement Date** Sep 18, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	64.3	79.2	61.2
01:00 AM - 02:00 AM	61.9	80.0	61.2
02:00 AM - 03:00 AM	62.1	79.2	61.1
03:00 AM - 04:00 AM	63.0	79.9	61.1
04:00 AM - 05:00 AM	61.3	65.0	61.1
05:00 AM - 06:00 AM	61.6	73.2	61.1
06:00 AM - 07:00 AM	62.1	80.2	61.1
07:00 AM - 08:00 AM	62.5	78.7	61.1

Leq Average 8 hrs. (dB(A))

62.4

Lmax (dB(A))

80.2

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414549-1

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**Sample Number** 2581107-16  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา 1 : 08.00 - 16.00)  
**Measurement Date** Sep 18, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	62.1	71.9	61.0
09:00 AM - 10:00 AM	67.8	80.4	61.3
10:00 AM - 11:00 AM	65.3	81.1	61.4
11:00 AM - 12:00 PM	65.0	80.2	61.0
12:00 PM - 01:00 PM	61.4	71.8	61.0
01:00 PM - 02:00 PM	65.2	81.0	61.1
02:00 PM - 03:00 PM	65.7	81.6	61.1
03:00 PM - 04:00 PM	63.6	77.4	61.1

Leq Average 8 hrs. (dB(A)) 64.9  
Lmax (dB(A)) 81.6  
Standard (dB(A)) 90  
Reference Method : Based on ISO1996-1 and 1996-2  
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414550-1

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**Sample Number** 2581107-17  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา ที่ 2 : 16.00 - 24.00)  
**Measurement Date** Sep 18, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	64.1	89.1	61.1
05:00 PM - 06:00 PM	64.2	81.0	61.1
06:00 PM - 07:00 PM	64.6	79.4	61.2
07:00 PM - 08:00 PM	64.9	80.8	61.3
08:00 PM - 09:00 PM	65.0	79.2	61.2
09:00 PM - 10:00 PM	65.1	80.3	61.1
10:00 PM - 11:00 PM	63.4	80.0	61.1
11:00 PM - 12:00 AM	64.1	78.9	61.1

Leq Average 8 hrs. (dB(A))

64.5

Lmax (dB(A))

89.1

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414551-1

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**Sample Number** 2581107-18  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา 3 : 00.00 - 08.00)  
**Measurement Date** Sep 19, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	63.7	78.8	61.2
01:00 AM - 02:00 AM	63.1	78.6	61.1
02:00 AM - 03:00 AM	62.0	78.6	61.1
03:00 AM - 04:00 AM	61.4	70.2	61.0
04:00 AM - 05:00 AM	61.2	70.8	61.0
05:00 AM - 06:00 AM	61.5	74.7	61.0
06:00 AM - 07:00 AM	61.7	75.6	61.0
07:00 AM - 08:00 AM	61.8	75.4	61.0

Leq Average 8 hrs. (dB(A))

62.1

Lmax (dB(A))

78.8

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

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Approved by

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Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414552-1

Page 1 of 1

**Sample Number** 2581107-19  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา 1 : 08.00 - 16.00)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	70.7	72.8	70.1
09:00 AM - 10:00 AM	70.8	74.1	70.3
10:00 AM - 11:00 AM	71.7	78.8	70.5
11:00 AM - 12:00 PM	71.3	79.4	70.3
12:00 PM - 01:00 PM	71.1	76.3	70.2
01:00 PM - 02:00 PM	71.1	76.6	70.1
02:00 PM - 03:00 PM	69.9	77.3	69.3
03:00 PM - 04:00 PM	69.6	71.2	69.1

Leq Average 8 hrs. (dB(A))

70.8

Lmax (dB(A))

79.4

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414553-1

Page 1 of 1

**Sample Number** 2581107-20  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา ที่ 2 : 16.00 - 24.00)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	70.0	71.7	69.3
05:00 PM - 06:00 PM	70.8	73.1	70.3
06:00 PM - 07:00 PM	71.2	72.7	70.7
07:00 PM - 08:00 PM	71.8	79.0	70.8
08:00 PM - 09:00 PM	71.5	72.8	70.9
09:00 PM - 10:00 PM	71.5	72.8	70.9
10:00 PM - 11:00 PM	71.5	72.9	71.0
11:00 PM - 12:00 AM	71.5	72.7	71.0

Leq Average 8 hrs. (dB(A)) 71.3  
Lmax (dB(A)) 79.0  
Standard (dB(A)) 90  
Reference Method : Based on ISO1996-1 and 1996-2  
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414554-1

Page 1 of 1

**Sample Number** 2581107-21  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา 3 : 00.00 - 08.00)  
**Measurement Date** Sep 17, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	71.4	72.6	70.9
01:00 AM - 02:00 AM	71.5	72.7	70.9
02:00 AM - 03:00 AM	71.5	72.7	71.0
03:00 AM - 04:00 AM	71.5	72.8	71.0
04:00 AM - 05:00 AM	71.5	72.7	71.0
05:00 AM - 06:00 AM	71.5	72.6	71.0
06:00 AM - 07:00 AM	71.2	72.6	70.6
07:00 AM - 08:00 AM	70.8	72.1	70.3

Leq Average 8 hrs. (dB(A))

71.4

Lmax (dB(A))

72.8

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414555-1

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**Sample Number** 2581107-22  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา ที่ 1 : 08.00 - 16.00)  
**Measurement Date** Sep 17, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	71.3	79.4	70.1
09:00 AM - 10:00 AM	72.1	78.9	70.6
10:00 AM - 11:00 AM	71.1	77.7	70.2
11:00 AM - 12:00 PM	70.3	71.4	69.8
12:00 PM - 01:00 PM	70.1	72.3	69.5
01:00 PM - 02:00 PM	70.7	73.4	70.1
02:00 PM - 03:00 PM	70.5	72.3	69.9
03:00 PM - 04:00 PM	71.0	72.6	70.2

Leq Average 8 hrs. (dB(A))

70.9

Lmax (dB(A))

79.4

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414556-1

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**Sample Number** 2581107-23  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา ที่ 2 : 16.00 - 24.00)  
**Measurement Date** Sep 17, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	70.9	72.2	70.4
05:00 PM - 06:00 PM	70.9	74.4	70.4
06:00 PM - 07:00 PM	71.1	74.7	70.7
07:00 PM - 08:00 PM	71.1	72.5	70.7
08:00 PM - 09:00 PM	71.3	72.7	70.8
09:00 PM - 10:00 PM	71.3	72.5	70.9
10:00 PM - 11:00 PM	71.4	72.7	70.9
11:00 PM - 12:00 AM	71.5	72.6	71.0

Leq Average 8 hrs. (dB(A))

71.2

Lmax (dB(A))

74.7

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414557-1

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**Sample Number** 2581107-24  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา 3 : 00.00 - 08.00)  
**Measurement Date** Sep 18, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	71.5	72.7	71.0
01:00 AM - 02:00 AM	71.5	72.7	71.0
02:00 AM - 03:00 AM	71.6	72.6	71.1
03:00 AM - 04:00 AM	71.8	72.9	71.3
04:00 AM - 05:00 AM	72.1	74.2	71.4
05:00 AM - 06:00 AM	71.8	73.0	71.3
06:00 AM - 07:00 AM	71.9	75.0	71.4
07:00 AM - 08:00 AM	71.3	73.1	70.7

Leq Average 8 hrs. (dB(A))

71.7

Lmax (dB(A))

75.0

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414558-1

Page 1 of 1

**Sample Number** 2581107-25  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา 1 : 08.00 - 16.00)  
**Measurement Date** Sep 18, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	70.8	72.8	70.3
09:00 AM - 10:00 AM	70.7	75.9	70.1
10:00 AM - 11:00 AM	70.9	79.3	69.7
11:00 AM - 12:00 PM	71.2	78.1	70.1
12:00 PM - 01:00 PM	71.0	72.8	70.2
01:00 PM - 02:00 PM	71.0	73.2	70.1
02:00 PM - 03:00 PM	70.0	74.1	69.4
03:00 PM - 04:00 PM	70.1	72.4	69.6

Leq Average 8 hrs. (dB(A)) 70.7  
Lmax (dB(A)) 79.3  
Standard (dB(A)) 90  
Reference Method : Based on ISO1996-1 and 1996-2  
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414559-1

Page 1 of 1

**Sample Number** 2581107-26  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา 2 : 16.00 - 24.00)  
**Measurement Date** Sep 18, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 PM - 05:00 PM	70.5	77.2	70.0
05:00 PM - 06:00 PM	71.9	78.5	70.8
06:00 PM - 07:00 PM	71.4	77.7	70.7
07:00 PM - 08:00 PM	71.3	72.4	70.7
08:00 PM - 09:00 PM	71.4	72.7	70.9
09:00 PM - 10:00 PM	71.6	72.7	71.1
10:00 PM - 11:00 PM	71.9	74.3	71.3
11:00 PM - 12:00 AM	71.7	73.0	71.2

Leq Average 8 hrs. (dB(A))

71.5

Lmax (dB(A))

78.5

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414560-1

Page 1 of 1

**Sample Number** 2581107-27  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา 3 : 00.00 - 08.00)  
**Measurement Date** Sep 19, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	71.7	72.9	71.3
01:00 AM - 02:00 AM	71.7	72.7	71.2
02:00 AM - 03:00 AM	71.6	72.9	71.2
03:00 AM - 04:00 AM	71.6	72.7	71.1
04:00 AM - 05:00 AM	71.6	72.8	71.2
05:00 AM - 06:00 AM	71.7	72.7	71.3
06:00 AM - 07:00 AM	71.8	73.1	71.3
07:00 AM - 08:00 AM	71.8	72.9	71.3

Leq Average 8 hrs. (dB(A))

71.7

Lmax (dB(A))

73.1

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025  
Date Reported : Sep 24, 2025  
Report Number: 3414534-1

Page 1 of 1

**Sample Number** 2581107-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณห้องเผาไหม้ (ช่วงเวลา ที่ 1 : 08.00 - 16.00)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	73.4	80.7	72.5
09:00 AM - 10:00 AM	73.4	81.8	72.4
10:00 AM - 11:00 AM	74.4	80.7	72.1
11:00 AM - 12:00 PM	72.1	79.5	71.1
12:00 PM - 01:00 PM	72.3	93.8	71.2
01:00 PM - 02:00 PM	71.3	79.9	70.6
02:00 PM - 03:00 PM	71.0	79.8	70.3
03:00 PM - 04:00 PM	71.3	80.3	70.2

Leq Average 8 hrs. (dB(A)) 72.6  
Lmax (dB(A)) 93.8  
Standard (dB(A)) 90  
Reference Method : Based on ISO1996-1 and 1996-2  
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025

Date Reported : Sep 24, 2025

Report Number: 3414543-1

Page 1 of 1

**Sample Number** 2581107-10  
**Parameter** Noise (Leq 8 hrs.)  
**Location** เครื่องกังหันไอน้ำ (ช่วงเวลา 1 : 08.00 - 16.00)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	62.6	75.2	61.2
09:00 AM - 10:00 AM	68.7	84.4	61.3
10:00 AM - 11:00 AM	66.3	81.5	61.1
11:00 AM - 12:00 PM	65.9	80.5	61.2
12:00 PM - 01:00 PM	62.6	79.9	61.2
01:00 PM - 02:00 PM	64.3	80.5	61.2
02:00 PM - 03:00 PM	62.3	79.9	61.1
03:00 PM - 04:00 PM	61.9	77.2	61.2

Leq Average 8 hrs. (dB(A))

65.0

Lmax (dB(A))

84.4

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ. ๒๕๔๖

Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581107**

Date Received : Sep 20, 2025

Date Reported : Sep 24, 2025

Report Number: 3414552-1

Page 1 of 1

**Sample Number** 2581107-19  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น (ช่วงเวลา 1 : 08.00 - 16.00)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	70.7	72.8	70.1
09:00 AM - 10:00 AM	70.8	74.1	70.3
10:00 AM - 11:00 AM	71.7	78.8	70.5
11:00 AM - 12:00 PM	71.3	79.4	70.3
12:00 PM - 01:00 PM	71.1	76.3	70.2
01:00 PM - 02:00 PM	71.1	76.6	70.1
02:00 PM - 03:00 PM	69.9	77.3	69.3
03:00 PM - 04:00 PM	69.6	71.2	69.1

Leq Average 8 hrs. (dB(A))

70.8

Lmax (dB(A))

79.4

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110722**

Date Received : Dec 13, 2025  
Date Reported : Dec 18, 2025  
Report Number: 3474419-1

Page 1 of 1

**Sample Number** 25110722-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณเหมืองไอน้ำ  
**Measurement Date** Dec 11, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:44 AM - 10:44 AM	74.6	89.7	69.1
10:44 AM - 11:44 AM	73.2	79.7	71.6
11:44 AM - 12:44 PM	71.8	81.8	70.3
12:44 PM - 01:44 PM	72.9	84.9	70.4
01:44 PM - 02:44 PM	72.6	83.6	70.3
02:44 PM - 03:44 PM	71.8	77.9	70.5
03:44 PM - 04:44 PM	72.2	79.5	70.8
04:44 PM - 05:44 PM	72.4	83.4	70.1

Leq Average 8 hrs. (dB(A))

72.8

Lmax (dB(A))

89.7

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110722**

Date Received : Dec 13, 2025  
Date Reported : Dec 18, 2025  
Report Number: 3474420-1

Page 1 of 1

**Sample Number** 25110722-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** บริเวณเครื่องกำเนิดไฟฟ้า  
**Measurement Date** Dec 11, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:40 AM - 10:40 AM	65.2	76.8	60.6
10:40 AM - 11:40 AM	63.5	78.1	60.4
11:40 AM - 12:40 PM	62.3	74.4	60.4
12:40 PM - 01:40 PM	64.7	79.0	60.5
01:40 PM - 02:40 PM	65.0	79.7	59.5
02:40 PM - 03:40 PM	65.6	80.2	59.4
03:40 PM - 04:40 PM	65.3	80.2	59.2
04:40 PM - 05:40 PM	64.9	76.5	60.3

Leq Average 8 hrs. (dB(A)) 64.7  
Lmax (dB(A)) 80.2  
Standard (dB(A)) 90  
Reference Method : Based on ISO1996-1 and 1996-2  
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110722**

Date Received : Dec 13, 2025  
Date Reported : Dec 18, 2025  
Report Number: 3474421-1

Page 1 of 1

**Sample Number** 25110722-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** หอหล่อเย็น  
**Measurement Date** Dec 11, 2025  
**Measurement by** Sattawat Kaewkanha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:30 AM - 10:30 AM	72.1	82.6	70.9
10:30 AM - 11:30 AM	71.7	79.2	70.9
11:30 AM - 12:30 PM	71.1	79.9	70.7
12:30 PM - 01:30 PM	70.9	74.8	70.6
01:30 PM - 02:30 PM	70.8	73.9	70.4
02:30 PM - 03:30 PM	71.4	76.4	70.6
03:30 PM - 04:30 PM	70.9	78.1	70.4
04:30 PM - 05:30 PM	70.6	79.4	70.2

Leq Average 8 hrs. (dB(A))

71.2

Lmax (dB(A))

82.6

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

# ภาคผนวก ค-12

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ใบรับรองผลการตรวจวัดระดับเสียงเฉลี่ยตลอดเวลาการทำงาน



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581114**

Date Received : Sep 18, 2025  
Date Reported : Sep 23, 2025  
Report Number : 3392305-1

Page 1 of 3

**Sample Number** : 2581114-1  
**Sampled Date** : Sep 16, 2025  
**Sample Description** : Noise Dose  
**Location** : พนักงาน Operation  
**Personal Sampling** : คุณวิทยากุล บุญศิริ  
**Date Analysis Commenced** : Sep 19, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	2.8	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	69.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

- MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)  
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

**Sampled By** : Sattawat Kaewkanha

### Remark :

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

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

Approved by

Wichan Choonharat  
Assistant Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581114**

Date Received : Sep 18, 2025  
Date Reported : Sep 23, 2025  
Report Number : 3392305-1

Page 2 of 3

**Sample Number** : 2581114-2  
**Sampled Date** : Sep 16, 2025  
**Sample Description** : Noise Dose  
**Location** : พนักงานเชื้อเพลิง  
**Personal Sampling** : คุณวรัตน์ การถาง  
**Date Analysis Commenced** : Sep 19, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	08:59 AM - 04:59 PM	%	-	1	44.7	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:59 AM - 04:59 PM	dB(A)	-	-	81.5	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

- MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)  
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

**Sampled By** : Sattawat Kaewkanha

### Remark :

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

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Approved by

Wichan Choonharat  
Assistant Manager





## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581114**

Date Received : Sep 18, 2025  
Date Reported : Sep 23, 2025  
Report Number : 3392305-1

Page 3 of 3

**Sample Number** : 2581114-3  
**Sampled Date** : Sep 16, 2025  
**Sample Description** : Noise Dose  
**Location** : พนักงานซ่อมบำรุง  
**Personal Sampling** : คุณณัฐวัฒน์ สร้างโรสง  
**Date Analysis Commenced** : Sep 19, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	<1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	60.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

- MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)  
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

**Sampled By** : Sattawat Kaewkanha

### Remark :

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

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110721**

Date Received : Dec 13, 2025  
Date Reported : Dec 18, 2025  
Report Number : 3466559-1

Page 1 of 3

**Sample Number** : 25110721-1  
**Sampled Date** : Dec 11, 2025  
**Sample Description** : Noise Dose  
**Location** : พนักงาน Operation  
**Personal Sampling** : คุณนรินทร์ศักดิ์ รักดีแก้ว  
**Date Analysis Commenced** : Dec 15, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	<1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	59.7	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

- MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)  
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

**Sampled By** : Sattawat Kaewkanha

### Remark :

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

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110721**

Date Received : Dec 13, 2025  
Date Reported : Dec 18, 2025  
Report Number : 3466559-1

Page 2 of 3

**Sample Number** : 25110721-2  
**Sampled Date** : Dec 11, 2025  
**Sample Description** : Noise Dose  
**Location** : พนักงานเชื้อเพลิง  
**Personal Sampling** : คุณนวรรตน์ การถาง  
**Date Analysis Commenced** : Dec 15, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	09:00 AM - 05:00 PM	%	-	1	3.3	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	09:00 AM - 05:00 PM	dB(A)	-	-	70.2	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

- MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)  
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

**Sampled By** : Sattawat Kaewkanha

### Remark :

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

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

Approved by

Wichan Choonharat  
Assistant Manager



## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110721**

Date Received : Dec 13, 2025  
Date Reported : Dec 18, 2025  
Report Number : 3466559-1

Page 3 of 3

**Sample Number** : 25110721-3  
**Sampled Date** : Dec 11, 2025  
**Sample Description** : Noise Dose  
**Location** : พนักงานซ่อมบำรุง  
**Personal Sampling** : คุณพัชรี พลอยประไพ  
**Date Analysis Commenced** : Dec 15, 2025

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (8 hrs.)	08:59 AM - 04:59 PM	%	-	1	<1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:59 AM - 04:59 PM	dB(A)	-	-	54.8	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

- MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)  
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

**Sampled By** : Sattawat Kaewkanha

### Remark :

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

Approved by

Wichan Choonharat  
Assistant Manager

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

## ภาคผนวก ค-13

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ใบรับรองผลการตรวจวัดความเข้มข้นของฝุ่นในบริเวณของการทำงาน



## Analysis / Test Report

TESTING  
No.0009

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573067**

Date Received : Sep 18, 2025  
Date Reported : Sep 24, 2025  
Report Number : 3374376-1

Page 1 of 2

**Sample Number** : 2573067-1  
**Sampled Date** : Sep 16, 2025  
**Sample Description** : Air Quality  
**Location** : บริเวณอาคารเก็บเชื้อเพลิง  
**Personal Sampling** : คุณวรรัตน์ การถาง (Respirable dust)  
**Date Analysis Commenced** : Sep 20, 2025  
**Condition of Sample** : Drawn into two filter papers placed in each cassette  
**Barometric Pressure** : 744 mmHg  
**Atmospheric Temperature** : 29.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Respirable Dust	09:30 AM - 11:30 AM	mg/m3	-	0.15	0.66	5	In - house method : STM 04-050 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0600, issue 3, 1998 (Include sampling)	OSHA	Bangkok
Total dust	09:30 AM - 11:30 AM	mg/m3	-	0.15	3.28	15	In - house method : STM 04-049 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0500, issue 2, 1994 (Include sampling)	OSHA	Bangkok

**Guideline :**

OSHA : Occupational Safety and Health Administration

**Sampled By** : Sattawat Kaewkanha

**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

*Orawan R.*

Orawan Rakyong  
Scientist (3)

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



## Analysis / Test Report

TESTING  
No.0009

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** : PO24-00065  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2573067**

Date Received : Sep 18, 2025  
Date Reported : Sep 24, 2025  
Report Number : 3374376-1

Page 2 of 2

**Sample Number** : 2573067-2  
**Sampled Date** : Sep 16, 2025  
**Sample Description** : Air Quality  
**Location** : บริเวณสายพานลำเลียงแกลบ  
**Personal Sampling** : คุณวิทยากุล บุญศิริ (Respirable dust)  
**Date Analysis Commenced** : Sep 20, 2025  
**Condition of Sample** : Drawn into two filter papers placed in each cassette  
**Barometric Pressure** : 744 mmHg  
**Atmospheric Temperature** : 29.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Respirable Dust	09:30 AM - 11:30 AM	mg/m3	-	0.15	<0.15	5	In - house method : STM 04-050 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0600, issue 3, 1998 (Include sampling)	OSHA	Bangkok
Total dust	09:30 AM - 11:30 AM	mg/m3	-	0.15	2.29	15	In - house method : STM 04-049 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0500, issue 2, 1994 (Include sampling)	OSHA	Bangkok

### Guideline :

OSHA : Occupational Safety and Health Administration

**Sampled By** : Sattawat Kaewkanha

### 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

*Orawan R.*

Orawan Rakyong  
Scientist (3)

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

## ภาคผนวก ค-14

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ใบรับรองผลการตรวจวัดระดับความร้อนในสถานที่ทำงาน





## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581116**  
Date Received : Sep 18, 2025  
Date Reported : Sep 23, 2025  
Report Number: 3392308-1

Page 1 of 2

**Sample Number** 2581116-1  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : - )

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณหม้อไอน้ำ	120	28.9	26.7	33.9	33.6
Average (WBGT)		28.9			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

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

**Technical Management**

  
Supot Salamteh  
Section Head

**Approved by**

  
Wichan Choonharat  
Assistant Manager



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581116**

Date Received : Sep 18, 2025

Date Reported : Sep 23, 2025

Report Number: 3392308-1

Page 2 of 2

**Sample Number** 2581116-2  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Sep 16, 2025  
**Measurement by** Sattawat Kaewkanha  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : - )

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณเครื่องกำเนิดไฟฟ้า	120	31.0	28.1	37.6	37.6
Average (WBGT)		31.0			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

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

**Technical Management**

  
Supot Salamteh  
Section Head

**Approved by**

  
Wichan Choonharat  
Assistant Manager



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110723**

Date Received : Dec 13, 2025

Date Reported : Dec 18, 2025

Report Number: 3466561-1

Page 1 of 2

**Sample Number** 25110723-1  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Dec 12, 2025  
**Measurement by** Jessadin Kongsukdithai  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : - )

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณหม้อไอน้ำ	120	26.4	24.1	31.8	31.2
Average (WBGT)		26.4			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

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

**Technical Management**

  
Supot Salamteh  
Section Head

**Approved by**

  
Wichan Choonharat  
Assistant Manager



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :** PO24-00065  
**Project Name :** Project 55 MW  
**Project Location :** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110723**

Date Received : Dec 13, 2025

Date Reported : Dec 18, 2025

Report Number: 3466561-1

Page 2 of 2

**Sample Number** 25110723-2  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Dec 12, 2025  
**Measurement by** Jessadin Kongsukdithai  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณเครื่องกำเนิดไฟฟ้า	120	29.1	26.0	36.3	36.2
Average (WBGT)		29.1			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

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

**Technical Management**

  
Supot Salamteh  
Section Head

**Approved by**

  
Wichan Choonharat  
Assistant Manager

# ภาคผนวก ค-15

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ใบรับรองผลการตรวจวัดความเข้มของแสงสว่างในสถานที่ทำงาน



## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (1)**

Date Received : Sep 18, 2025

Date Reported : Sep 18, 2025

Report Number: 2581118 (1)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : Lobby	2581118 (1)-1	16-Sep-25	Day time	1	549	578	50	100	Pass
		2581118 (1)-2	16-Sep-25	Day time	2	897				
		2581118 (1)-3	16-Sep-25	Day time	3	832				
		2581118 (1)-4	16-Sep-25	Day time	4	562				
		2581118 (1)-5	16-Sep-25	Day time	5	478				
		2581118 (1)-6	16-Sep-25	Day time	6	458				
		2581118 (1)-7	16-Sep-25	Day time	7	405				
		2581118 (1)-8	16-Sep-25	Day time	8	439				
2	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : Waiting Area	2581118 (1)-9	16-Sep-25	Day time	1	761	911	50	100	Pass
		2581118 (1)-10	16-Sep-25	Day time	2	956				
		2581118 (1)-11	16-Sep-25	Day time	3	817				
		2581118 (1)-12	16-Sep-25	Day time	4	953				
		2581118 (1)-13	16-Sep-25	Day time	5	984				
		2581118 (1)-14	16-Sep-25	Day time	6	996				
3	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : ห้องน้ำชาย	2581118 (1)-15	16-Sep-25	Day time	1	132	130	50	100	Pass
		2581118 (1)-16	16-Sep-25	Day time	2	128				
4	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : ห้องน้ำหญิง	2581118 (1)-17	16-Sep-25	Day time	1	152	160	50	100	Pass
		2581118 (1)-18	16-Sep-25	Day time	2	168				
5	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : ห้องครัว	2581118 (1)-19	16-Sep-25	Day time	1	464	396	150	300	Pass
		2581118 (1)-20	16-Sep-25	Day time	2	315				
		2581118 (1)-21	16-Sep-25	Day time	3	408				
13	Spot : อาคารโรงไฟฟ้า 55 MW : 1st Floor : STG : ชั้น 1 : Diesel Gen	2581118 (1)-22	16-Sep-25	Day time	1	231	-	200-300	-	Pass
14	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : ห้องเก็บถัง N2 (IG-100)	2581118 (1)-23	16-Sep-25	Day time	1	105	108	50	100	Pass
		2581118 (1)-24	16-Sep-25	Day time	2	111				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

**Technical Management**

*Supot S*

Supot Salamteh  
Section Head

**Approved by**

*Wichan Choonharat*

Wichan Choonharat  
Assistant Manager

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

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (2)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (2)-1

Page 1 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
4	Area : อาคารโรงไฟฟ้า 55 MW : 3rd Floor : ห้อง STG (บริเวณหน้าตู้ไฟ)	2581118 (2)-1	16-Sep-25	Day time	1	468	442	100	200	Pass
		2581118 (2)-2	16-Sep-25	Day time	2	366				
		2581118 (2)-3	16-Sep-25	Day time	3	428				
		2581118 (2)-4	16-Sep-25	Day time	4	564				
		2581118 (2)-5	16-Sep-25	Day time	5	291				
		2581118 (2)-6	16-Sep-25	Day time	6	535				
5	Area : อาคารโรงไฟฟ้า 55 MW : 3rd Floor : ห้อง BOP	2581118 (2)-7	16-Sep-25	Day time	1	608	443	100	200	Pass
		2581118 (2)-8	16-Sep-25	Day time	2	434				
		2581118 (2)-9	16-Sep-25	Day time	3	600				
		2581118 (2)-10	16-Sep-25	Day time	4	565				
		2581118 (2)-11	16-Sep-25	Day time	5	667				
		2581118 (2)-12	16-Sep-25	Day time	6	623				
		2581118 (2)-13	16-Sep-25	Day time	7	347				
		2581118 (2)-14	16-Sep-25	Day time	8	353				
		2581118 (2)-15	16-Sep-25	Day time	9	335				
		2581118 (2)-16	16-Sep-25	Day time	10	470				
		2581118 (2)-17	16-Sep-25	Day time	11	526				
		2581118 (2)-18	16-Sep-25	Day time	12	456				
		2581118 (2)-19	16-Sep-25	Day time	13	330				
		2581118 (2)-20	16-Sep-25	Day time	14	487				
		2581118 (2)-21	16-Sep-25	Day time	15	463				
		2581118 (2)-22	16-Sep-25	Day time	16	381				
		2581118 (2)-23	16-Sep-25	Day time	17	309				
		2581118 (2)-24	16-Sep-25	Day time	18	205				
		2581118 (2)-25	16-Sep-25	Day time	19	216				
		2581118 (2)-26	16-Sep-25	Day time	20	311				
		2581118 (2)-27	16-Sep-25	Day time	21	457				
		2581118 (2)-28	16-Sep-25	Day time	22	496				
		2581118 (2)-29	16-Sep-25	Day time	23	456				
		2581118 (2)-30	16-Sep-25	Day time	24	512				
		2581118 (2)-31	16-Sep-25	Day time	25	489				
		2581118 (2)-32	16-Sep-25	Day time	26	419				

Technical Management

Supot Salamteh  
Section Head

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (2)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (2)-1

Page 2 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
6	Area : อาคารโรงไฟฟ้า 55 MW : 3rd Floor : ห้อง Locker room	2581118 (2)-33	16-Sep-25	Day time	1	547	500	50	100	Pass
		2581118 (2)-34	16-Sep-25	Day time	2	541				
		2581118 (2)-35	16-Sep-25	Day time	3	553				
		2581118 (2)-36	16-Sep-25	Day time	4	539				
		2581118 (2)-37	16-Sep-25	Day time	5	346				
		2581118 (2)-38	16-Sep-25	Day time	6	410				
		2581118 (2)-39	16-Sep-25	Day time	7	489				
		2581118 (2)-40	16-Sep-25	Day time	8	586				
		2581118 (2)-41	16-Sep-25	Day time	9	629				
		2581118 (2)-42	16-Sep-25	Day time	10	585				
		2581118 (2)-43	16-Sep-25	Day time	11	369				
		2581118 (2)-44	16-Sep-25	Day time	12	406				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot Salamteh  
Section Head

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** :  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (3)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (3)-1

Page 1 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารโรงไฟฟ้า 55 MW : 4th Floor : Control Room : Office Operater	2581118 (3)-1	16-Sep-25	Day time	1	286	466	150	300	Pass
		2581118 (3)-2	16-Sep-25	Day time	2	222				
		2581118 (3)-3	16-Sep-25	Day time	3	278				
		2581118 (3)-4	16-Sep-25	Day time	4	282				
		2581118 (3)-5	16-Sep-25	Day time	5	252				
		2581118 (3)-6	16-Sep-25	Day time	6	231				
		2581118 (3)-7	16-Sep-25	Day time	7	326				
		2581118 (3)-8	16-Sep-25	Day time	8	529				
		2581118 (3)-9	16-Sep-25	Day time	9	642				
		2581118 (3)-10	16-Sep-25	Day time	10	591				
		2581118 (3)-11	16-Sep-25	Day time	11	498				
		2581118 (3)-12	16-Sep-25	Day time	12	447				
		2581118 (3)-13	16-Sep-25	Day time	13	657				
		2581118 (3)-14	16-Sep-25	Day time	14	509				
		2581118 (3)-15	16-Sep-25	Day time	15	562				
		2581118 (3)-16	16-Sep-25	Day time	16	426				
		2581118 (3)-17	16-Sep-25	Day time	17	657				
		2581118 (3)-18	16-Sep-25	Day time	18	707				
		2581118 (3)-19	16-Sep-25	Day time	19	589				
		2581118 (3)-20	16-Sep-25	Day time	20	550				
		2581118 (3)-21	16-Sep-25	Day time	21	379				
		2581118 (3)-22	16-Sep-25	Day time	22	599				
		2581118 (3)-23	16-Sep-25	Day time	23	621				
		2581118 (3)-24	16-Sep-25	Day time	24	480				
		2581118 (3)-25	16-Sep-25	Day time	25	484				
		2581118 (3)-26	16-Sep-25	Day time	26	348				
		2581118 (3)-27	16-Sep-25	Day time	27	445				
		2581118 (3)-28	16-Sep-25	Day time	28	495				
		2581118 (3)-29	16-Sep-25	Day time	29	384				
		2581118 (3)-30	16-Sep-25	Day time	30	422				
		2581118 (3)-31	16-Sep-25	Day time	31	541				
4	Area : อาคารโรงไฟฟ้า 55 MW : 4th Floor : Office : ชั้น 4 : ห้องนาย	2581118 (3)-32	16-Sep-25	Day time	1	165	144	50	100	Pass
		2581118 (3)-33	16-Sep-25	Day time	2	123				
5	Area : อาคารโรงไฟฟ้า 55 MW : 4th Floor : Office : ชั้น 4 : ห้องน้ำหญิง	2581118 (3)-34	16-Sep-25	Day time	1	148	152	50	100	Pass
		2581118 (3)-35	16-Sep-25	Day time	2	155				

Technical Management

*Supot S*

Supot Salamteh  
Section Head

Approved by

*Nichan Chuan*

Wichan Choonharat  
Assistant Manager

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

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (3)**

Date Received : Sep 18, 2025

Date Reported : Sep 18, 2025

Report Number: 2581118 (3)-1

Page 2 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
7	Area : อาคารโรงไฟฟ้า 55 MW : 4th Floor : Office : ชั้น 4 : ห้อง BUAYAI BIO POWER	2581118 (3)-36	16-Sep-25	Day time	1	485	378	150	300	Pass
		2581118 (3)-37	16-Sep-25	Day time	2	583				
		2581118 (3)-38	16-Sep-25	Day time	3	326				
		2581118 (3)-39	16-Sep-25	Day time	4	456				
		2581118 (3)-40	16-Sep-25	Day time	5	322				
		2581118 (3)-41	16-Sep-25	Day time	6	305				
		2581118 (3)-42	16-Sep-25	Day time	7	301				
		2581118 (3)-43	16-Sep-25	Day time	8	328				
		2581118 (3)-44	16-Sep-25	Day time	9	325				
		2581118 (3)-45	16-Sep-25	Day time	10	346				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot Salamteh  
Section Head

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (4)**

Date Received : Sep 18, 2025

Date Reported : Sep 18, 2025

Report Number: 2581118 (4)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้อง Data Room	2581118 (4)-1	16-Sep-25	Day time	1	595	564	100	200	Pass
		2581118 (4)-2	16-Sep-25	Day time	2	570				
		2581118 (4)-3	16-Sep-25	Day time	3	528				
		2581118 (4)-4	16-Sep-25	Day time	4	562				
2	Area : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้อง Safe Vault	2581118 (4)-5	16-Sep-25	Day time	1	337	337	100	200	Pass
		2581118 (4)-6	16-Sep-25	Day time	2	343				
		2581118 (4)-7	16-Sep-25	Day time	3	330				
3	Spot : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้องทำงาน Manager	2581118 (4)-8	16-Sep-25	Day time	1	474	-	400-500	-	Pass
4	Spot : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้องทำงาน คุณวิจารย์ เกิดศรีทอง	2581118 (4)-9	16-Sep-25	Day time	1	432	-	400-500	-	Pass
5	Area : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้องน้ำชาย	2581118 (4)-10	16-Sep-25	Day time	1	161	172	50	100	Pass
		2581118 (4)-11	16-Sep-25	Day time	2	183				
6	Area : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้องน้ำหญิง	2581118 (4)-12	16-Sep-25	Day time	1	135	136	50	100	Pass
		2581118 (4)-13	16-Sep-25	Day time	2	136				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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Section Head

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (5)**

Date Received : Sep 18, 2025

Date Reported : Sep 18, 2025

Report Number: 2581118 (5)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : Cooling Plant : 1st Floor : DCS Cooling	2581118 (5)-1	16-Sep-25	Day time	1	221	-	200-300	-	Pass

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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Section Head

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** :  
**Project Name** : Project 55 MW  
**Project Location**: 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (6)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (6)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคาร MCC : 2nd Floor : ตู้ควบคุม SA03	2581118 (6)-1	16-Sep-25	Day time	1	988	-	200-300	-	Pass
2	Spot : อาคาร MCC : 2nd Floor : ตู้ควบคุม SA05	2581118 (6)-2	16-Sep-25	Day time	1	948	-	200-300	-	Pass

**Measurement by** : Sattawat Kaewkanha

**Guideline** : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** :  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (7)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (7)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารเชื้อเพลิง : 1st Floor : ห้องพักพนักงานเชื้อเพลิง	2581118 (7)-1	16-Sep-25	Day time	1	436	474	25	50	Pass
		2581118 (7)-2	16-Sep-25	Day time	2	512				

**Measurement by** : Sattawat Kaewkanha

**Guideline** : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (8)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (8)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคาร Boiler : 1st Floor : Bottom Drain Value	2581118 (8)-1	16-Sep-25	Day time	1	758	-	300-400	-	Pass
2	Spot : อาคาร Boiler : 1st Floor : SA FAN A	2581118 (8)-2	16-Sep-25	Day time	1	995	-	300-400	-	Pass
3	Spot : อาคาร Boiler : 1st Floor : SA FAN B	2581118 (8)-3	16-Sep-25	Day time	1	756	-	300-400	-	Pass
4	Spot : อาคาร Boiler : 1st Floor : PA FAN B	2581118 (8)-4	16-Sep-25	Day time	1	779	-	300-400	-	Pass
5	Spot : อาคาร Boiler : 1st Floor : PA FAN A	2581118 (8)-5	16-Sep-25	Day time	1	957	-	300-400	-	Pass

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** :  
**Project Name** : Project 55 MW  
**Project Location**: 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (9)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (9)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคาร Fire Pump : 1st Floor : Fire Water Pump 1	2581118 (9)-1	16-Sep-25	Day time	1	215	-	200-300	-	Pass
2	Spot : อาคาร Fire Pump : 1st Floor : Fire Water Pump 2	2581118 (9)-2	16-Sep-25	Day time	1	233	-	200-300	-	Pass

**Measurement by** : Sattawat Kaewkanha

**Guideline** : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (10)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (10)-1

Page 1 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม 20BHE06	2581118 (10)-1	16-Sep-25	Day time	1	259	-	200-300	-	Pass
2	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม 20BHE03	2581118 (10)-2	16-Sep-25	Day time	1	215	-	200-300	-	Pass
3	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม MNS Feeder	2581118 (10)-3	16-Sep-25	Day time	1	216	-	200-300	-	Pass
4	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SB05	2581118 (10)-4	16-Sep-25	Day time	1	246	-	200-300	-	Pass
5	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SB02	2581118 (10)-5	16-Sep-25	Day time	1	209	-	200-300	-	Pass
6	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SAB	2581118 (10)-6	16-Sep-25	Day time	1	204	-	200-300	-	Pass
7	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SA02	2581118 (10)-7	16-Sep-25	Day time	1	211	-	200-300	-	Pass
8	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SA04	2581118 (10)-8	16-Sep-25	Day time	1	210	-	200-300	-	Pass
9	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SA06	2581118 (10)-9	16-Sep-25	Day time	1	207	-	200-300	-	Pass
10	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SA09	2581118 (10)-10	16-Sep-25	Day time	1	206	-	200-300	-	Pass
11	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม J02	2581118 (10)-11	16-Sep-25	Day time	1	244	-	200-300	-	Pass
12	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม J00	2581118 (10)-12	16-Sep-25	Day time	1	262	-	200-300	-	Pass
13	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม J04	2581118 (10)-13	16-Sep-25	Day time	1	255	-	200-300	-	Pass
14	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L03	2581118 (10)-14	16-Sep-25	Day time	1	232	-	200-300	-	Pass
15	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L05	2581118 (10)-15	16-Sep-25	Day time	1	225	-	200-300	-	Pass
16	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L07	2581118 (10)-16	16-Sep-25	Day time	1	236	-	200-300	-	Pass

Technical Management

*Supot S*

Supot Salamteh  
Section Head

Approved by

*Wichan Choonharat*

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O** :  
**Project Name** : Project 55 MW  
**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (10)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (10)-1

Page 2 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
17	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L10	2581118 (10)-17	16-Sep-25	Day time	1	248	-	200-300	-	Pass
18	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L13	2581118 (10)-18	16-Sep-25	Day time	1	264	-	200-300	-	Pass
19	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L14	2581118 (10)-19	16-Sep-25	Day time	1	259	-	200-300	-	Pass
20	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L16	2581118 (10)-20	16-Sep-25	Day time	1	274	-	200-300	-	Pass

**Measurement by** : Sattawat Kaewkanha

**Guideline** : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (11)**

Date Received : Sep 18, 2025  
Date Reported : Sep 18, 2025  
Report Number: 2581118 (11)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารหม้อแปลงไฟฟ้า : 3rd Floor : ห้อง VFD	2581118 (11)-1	16-Sep-25	Day time	1	306	346	100	200	Pass
		2581118 (11)-2	16-Sep-25	Day time	2	363				
		2581118 (11)-3	16-Sep-25	Day time	3	438				
		2581118 (11)-4	16-Sep-25	Day time	4	358				
		2581118 (11)-5	16-Sep-25	Day time	5	347				
		2581118 (11)-6	16-Sep-25	Day time	6	325				
		2581118 (11)-7	16-Sep-25	Day time	7	424				
		2581118 (11)-8	16-Sep-25	Day time	8	349				
		2581118 (11)-9	16-Sep-25	Day time	9	358				
		2581118 (11)-10	16-Sep-25	Day time	10	262				
		2581118 (11)-11	16-Sep-25	Day time	11	322				
		2581118 (11)-12	16-Sep-25	Day time	12	328				
		2581118 (11)-13	16-Sep-25	Day time	13	325				
		2581118 (11)-14	16-Sep-25	Day time	14	322				
		2581118 (11)-15	16-Sep-25	Day time	15	354				
		2581118 (11)-16	16-Sep-25	Day time	16	355				
		2581118 (11)-17	16-Sep-25	Day time	17	357				
		2581118 (11)-18	16-Sep-25	Day time	18	354				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (12)**

Date Received : Sep 18, 2025

Date Reported : Sep 18, 2025

Report Number: 2581118 (12)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : อุปกรณ์แสงแก๊ส	2581118 (12)-1	16-Sep-25	Day time	1	984	-	200-300	-	Pass
2	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : จุดเชื่อม	2581118 (12)-2	16-Sep-25	Day time	1	964	-	200-300	-	Pass
3	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : เครื่อง Hydraulic	2581118 (12)-3	16-Sep-25	Day time	1	998	-	200-300	-	Pass
4	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : โต๊ะจับชิ้นงาน	2581118 (12)-4	16-Sep-25	Day time	1	974	-	200-300	-	Pass
5	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : เครื่องเจียตั้งโต๊ะ	2581118 (12)-5	16-Sep-25	Day time	1	988	-	200-300	-	Pass
6	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : เครื่องตัด Fiber	2581118 (12)-6	16-Sep-25	Day time	1	997	-	200-300	-	Pass
7	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : เครื่องสว่านแท่น	2581118 (12)-7	16-Sep-25	Day time	1	989	-	200-300	-	Pass
8	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : ตู้ควบคุม	2581118 (12)-8	16-Sep-25	Day time	1	990	-	200-300	-	Pass
9	Area : อาคาร Spare Part : 1st Floor : ห้องประชุม Maintenance	2581118 (12)-9	16-Sep-25	Day time	1	434	438	150	300	Pass
		2581118 (12)-10	16-Sep-25	Day time	2	462				
		2581118 (12)-11	16-Sep-25	Day time	3	471				
		2581118 (12)-12	16-Sep-25	Day time	4	384				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

**Technical Management**

Supot Salamteh  
Section Head

**Approved by**

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.

188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 2581118 (13)**

Date Received : Sep 18, 2025

Date Reported : Sep 18, 2025

Report Number: 2581118 (13)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคาร Spare Part : 2nd Floor : Office : ช่างบำรุง	2581118 (13)-1	16-Sep-25	Day time	1	512	436	150	300	Pass
		2581118 (13)-2	16-Sep-25	Day time	2	351				
		2581118 (13)-3	16-Sep-25	Day time	3	376				
		2581118 (13)-4	16-Sep-25	Day time	4	408				
		2581118 (13)-5	16-Sep-25	Day time	5	381				
		2581118 (13)-6	16-Sep-25	Day time	6	594				
		2581118 (13)-7	16-Sep-25	Day time	7	631				
		2581118 (13)-8	16-Sep-25	Day time	8	358				
		2581118 (13)-9	16-Sep-25	Day time	9	315				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot Salamteh  
Section Head

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Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (1)**

Date Received : Dec 14, 2025  
Date Reported : Dec 15, 2025  
Report Number: 25110725 (1)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : Lobby	25110725 (1)-1	12-Dec-25	Day time	1	789	728	50	100	Pass
		25110725 (1)-2	12-Dec-25	Day time	2	860				
		25110725 (1)-3	12-Dec-25	Day time	3	692				
		25110725 (1)-4	12-Dec-25	Day time	4	865				
		25110725 (1)-5	12-Dec-25	Day time	5	611				
		25110725 (1)-6	12-Dec-25	Day time	6	620				
		25110725 (1)-7	12-Dec-25	Day time	7	694				
		25110725 (1)-8	12-Dec-25	Day time	8	695				
2	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : Waiting Area	25110725 (1)-9	12-Dec-25	Day time	1	856	752	50	100	Pass
		25110725 (1)-10	12-Dec-25	Day time	2	768				
		25110725 (1)-11	12-Dec-25	Day time	3	667				
		25110725 (1)-12	12-Dec-25	Day time	4	843				
		25110725 (1)-13	12-Dec-25	Day time	5	856				
		25110725 (1)-14	12-Dec-25	Day time	6	520				
3	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : ห้องน้ำชาย	25110725 (1)-15	12-Dec-25	Day time	1	123	122	50	100	Pass
		25110725 (1)-16	12-Dec-25	Day time	2	120				
4	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : ห้องนำหญิง	25110725 (1)-17	12-Dec-25	Day time	1	175	185	50	100	Pass
		25110725 (1)-18	12-Dec-25	Day time	2	195				
5	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : Office : ชั้น 1 : ห้องครัว	25110725 (1)-19	12-Dec-25	Day time	1	431	443	150	300	Pass
		25110725 (1)-20	12-Dec-25	Day time	2	455				
		25110725 (1)-21	12-Dec-25	Day time	3	443				
13	Spot : อาคารโรงไฟฟ้า 55 MW : 1st Floor : STG : ชั้น 1 : Diesel Gen	25110725 (1)-22	12-Dec-25	Day time	1	250	-	200-300	-	Pass
14	Area : อาคารโรงไฟฟ้า 55 MW : 1st Floor : ห้องเก็บถัง N2 (IG-100)	25110725 (1)-23	12-Dec-25	Day time	1	105	108	50	100	Pass
		25110725 (1)-24	12-Dec-25	Day time	2	111				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

**Technical Management**

*Supot S*  
Supot Salamteh  
Section Head

**Approved by**

*Wichan Choonharat*  
Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.

188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (2)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (2)-1

Page 1 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
4	Area : อาคารโรงไฟฟ้า 55 MW : 3rd Floor : ห้อง STG (บริเวณหน้าตู้ไฟ)	25110725 (2)-1	12-Dec-25	Day time	1	337	436	100	200	Pass
		25110725 (2)-2	12-Dec-25	Day time	2	310				
		25110725 (2)-3	12-Dec-25	Day time	3	321				
		25110725 (2)-4	12-Dec-25	Day time	4	524				
		25110725 (2)-5	12-Dec-25	Day time	5	552				
		25110725 (2)-6	12-Dec-25	Day time	6	571				
5	Area : อาคารโรงไฟฟ้า 55 MW : 3rd Floor : ห้อง BOP	25110725 (2)-7	12-Dec-25	Day time	1	730	624	100	200	Pass
		25110725 (2)-8	12-Dec-25	Day time	2	793				
		25110725 (2)-9	12-Dec-25	Day time	3	770				
		25110725 (2)-10	12-Dec-25	Day time	4	686				
		25110725 (2)-11	12-Dec-25	Day time	5	635				
		25110725 (2)-12	12-Dec-25	Day time	6	744				
		25110725 (2)-13	12-Dec-25	Day time	7	676				
		25110725 (2)-14	12-Dec-25	Day time	8	630				
		25110725 (2)-15	12-Dec-25	Day time	9	680				
		25110725 (2)-16	12-Dec-25	Day time	10	624				
		25110725 (2)-17	12-Dec-25	Day time	11	533				
		25110725 (2)-18	12-Dec-25	Day time	12	711				
		25110725 (2)-19	12-Dec-25	Day time	13	558				
		25110725 (2)-20	12-Dec-25	Day time	14	526				
		25110725 (2)-21	12-Dec-25	Day time	15	489				
		25110725 (2)-22	12-Dec-25	Day time	16	469				
		25110725 (2)-23	12-Dec-25	Day time	17	495				
		25110725 (2)-24	12-Dec-25	Day time	18	541				
		25110725 (2)-25	12-Dec-25	Day time	19	369				
		25110725 (2)-26	12-Dec-25	Day time	20	523				
		25110725 (2)-27	12-Dec-25	Day time	21	653				
		25110725 (2)-28	12-Dec-25	Day time	22	783				
		25110725 (2)-29	12-Dec-25	Day time	23	748				
		25110725 (2)-30	12-Dec-25	Day time	24	524				
		25110725 (2)-31	12-Dec-25	Day time	25	614				
		25110725 (2)-32	12-Dec-25	Day time	26	731				

Technical Management

Supot Salamteh  
Section Head

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (2)**

Date Received : Dec 14, 2025  
Date Reported : Dec 15, 2025  
Report Number: 25110725 (2)-1

Page 2 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
6	Area : อาคารโรงไฟฟ้า 55 MW : 3rd Floor : ห้อง Locker room	25110725 (2)-33	12-Dec-25	Day time	1	593	560	50	100	Pass
		25110725 (2)-34	12-Dec-25	Day time	2	602				
		25110725 (2)-35	12-Dec-25	Day time	3	527				
		25110725 (2)-36	12-Dec-25	Day time	4	514				
		25110725 (2)-37	12-Dec-25	Day time	5	510				
		25110725 (2)-38	12-Dec-25	Day time	6	535				
		25110725 (2)-39	12-Dec-25	Day time	7	533				
		25110725 (2)-40	12-Dec-25	Day time	8	545				
		25110725 (2)-41	12-Dec-25	Day time	9	624				
		25110725 (2)-42	12-Dec-25	Day time	10	592				
		25110725 (2)-43	12-Dec-25	Day time	11	566				
		25110725 (2)-44	12-Dec-25	Day time	12	577				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot Salamteh  
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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (3)**

Date Received : Dec 14, 2025  
Date Reported : Dec 15, 2025  
Report Number: 25110725 (3)-1

Page 1 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารโรงไฟฟ้า 55 MW : 4th Floor : Control Room : Office Operater	25110725 (3)-1	12-Dec-25	Day time	1	473	558	150	300	Pass
		25110725 (3)-2	12-Dec-25	Day time	2	740				
		25110725 (3)-3	12-Dec-25	Day time	3	539				
		25110725 (3)-4	12-Dec-25	Day time	4	523				
		25110725 (3)-5	12-Dec-25	Day time	5	677				
		25110725 (3)-6	12-Dec-25	Day time	6	495				
		25110725 (3)-7	12-Dec-25	Day time	7	666				
		25110725 (3)-8	12-Dec-25	Day time	8	592				
		25110725 (3)-9	12-Dec-25	Day time	9	646				
		25110725 (3)-10	12-Dec-25	Day time	10	715				
		25110725 (3)-11	12-Dec-25	Day time	11	669				
		25110725 (3)-12	12-Dec-25	Day time	12	627				
		25110725 (3)-13	12-Dec-25	Day time	13	436				
		25110725 (3)-14	12-Dec-25	Day time	14	651				
		25110725 (3)-15	12-Dec-25	Day time	15	704				
		25110725 (3)-16	12-Dec-25	Day time	16	634				
		25110725 (3)-17	12-Dec-25	Day time	17	553				
		25110725 (3)-18	12-Dec-25	Day time	18	523				
		25110725 (3)-19	12-Dec-25	Day time	19	493				
		25110725 (3)-20	12-Dec-25	Day time	20	483				
		25110725 (3)-21	12-Dec-25	Day time	21	628				
		25110725 (3)-22	12-Dec-25	Day time	22	497				
		25110725 (3)-23	12-Dec-25	Day time	23	482				
		25110725 (3)-24	12-Dec-25	Day time	24	434				
		25110725 (3)-25	12-Dec-25	Day time	25	529				
		25110725 (3)-26	12-Dec-25	Day time	26	442				
		25110725 (3)-27	12-Dec-25	Day time	27	564				
		25110725 (3)-28	12-Dec-25	Day time	28	578				
		25110725 (3)-29	12-Dec-25	Day time	29	412				
		25110725 (3)-30	12-Dec-25	Day time	30	388				
		25110725 (3)-31	12-Dec-25	Day time	31	520				
4	Area : อาคารโรงไฟฟ้า 55 MW : 4th Floor : Office : ชั้น 4 : ห้องนาย	25110725 (3)-32	12-Dec-25	Day time	1	134	134	50	100	Pass
		25110725 (3)-33	12-Dec-25	Day time	2	135				
5	Area : อาคารโรงไฟฟ้า 55 MW : 4th Floor : Office : ชั้น 4 : ห้องนายหญิง	25110725 (3)-34	12-Dec-25	Day time	1	168	166	50	100	Pass
		25110725 (3)-35	12-Dec-25	Day time	2	164				

Technical Management

Supot Salamte  
Section Head

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (3)**

Date Received : Dec 14, 2025  
Date Reported : Dec 15, 2025  
Report Number: 25110725 (3)-1

Page 2 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
7	Area : อาคารโรงไฟฟ้า 55 MW : 4th Floor : Office : ชั้น 4 : ห้อง BUAYAI BIO POWER	25110725 (3)-36	12-Dec-25	Day time	1	325	338	150	300	Pass
		25110725 (3)-37	12-Dec-25	Day time	2	395				
		25110725 (3)-38	12-Dec-25	Day time	3	392				
		25110725 (3)-39	12-Dec-25	Day time	4	328				
		25110725 (3)-40	12-Dec-25	Day time	5	331				
		25110725 (3)-41	12-Dec-25	Day time	6	310				
		25110725 (3)-42	12-Dec-25	Day time	7	320				
		25110725 (3)-43	12-Dec-25	Day time	8	325				
		25110725 (3)-44	12-Dec-25	Day time	9	311				
		25110725 (3)-45	12-Dec-25	Day time	10	348				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (4)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (4)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้อง Data Room	25110725 (4)-1	12-Dec-25	Day time	1	600	592	100	200	Pass
		25110725 (4)-2	12-Dec-25	Day time	2	592				
		25110725 (4)-3	12-Dec-25	Day time	3	585				
		25110725 (4)-4	12-Dec-25	Day time	4	592				
2	Area : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้อง Safe Vault	25110725 (4)-5	12-Dec-25	Day time	1	410	383	100	200	Pass
		25110725 (4)-6	12-Dec-25	Day time	2	345				
		25110725 (4)-7	12-Dec-25	Day time	3	395				
3	Spot : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้องทำงาน Manager	25110725 (4)-8	12-Dec-25	Day time	1	450	-	400-500	-	Pass
5	Area : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้องนาย	25110725 (4)-9	12-Dec-25	Day time	1	135	138	50	100	Pass
		25110725 (4)-10	12-Dec-25	Day time	2	140				
6	Area : อาคารโรงไฟฟ้า 55 MW : 5th Floor : Office : ชั้น 5 : ห้องน้ำหญิง	25110725 (4)-11	12-Dec-25	Day time	1	171	170	50	100	Pass
		25110725 (4)-12	12-Dec-25	Day time	2	168				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot Salamteh  
Section Head

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (5)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (5)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : Cooling Plant : 1st Floor : DCS Cooling	25110725 (5)-1	12-Dec-25	Day time	1	208	-	200-300	-	Pass

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (6)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (6)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคาร MCC : 2nd Floor : ตู้ควบคุม SA03	25110725 (6)-1	12-Dec-25	Day time	1	648	-	200-300	-	Pass
2	Spot : อาคาร MCC : 2nd Floor : ตู้ควบคุม SA05	25110725 (6)-2	12-Dec-25	Day time	1	766	-	200-300	-	Pass

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** :

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (7)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (7)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารเชื้อเพลิง : 1st Floor : ห้องพักพนักงานเชื้อเพลิง	25110725 (7)-1	12-Dec-25	Day time	1	802	581	25	50	Pass
		25110725 (7)-2	12-Dec-25	Day time	2	360				

**Measurement by** : Sattawat Kaewkanha

**Guideline** : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (8)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (8)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคาร Boiler : 1st Floor : Bottom Drain Value	25110725 (8)-1	12-Dec-25	Day time	1	710	-	300-400	-	Pass
2	Spot : อาคาร Boiler : 1st Floor : SA FAN A	25110725 (8)-2	12-Dec-25	Day time	1	970	-	300-400	-	Pass
3	Spot : อาคาร Boiler : 1st Floor : SA FAN B	25110725 (8)-3	12-Dec-25	Day time	1	971	-	300-400	-	Pass
4	Spot : อาคาร Boiler : 1st Floor : PA FAN B	25110725 (8)-4	12-Dec-25	Day time	1	963	-	300-400	-	Pass
5	Spot : อาคาร Boiler : 1st Floor : PA FAN A	25110725 (8)-5	12-Dec-25	Day time	1	978	-	300-400	-	Pass

**Measurement by :** Sattawat Kaewkanha

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (9)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (9)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคาร Fire Pump : 1st Floor : Fire Water Pump 1	25110725 (9)-1	12-Dec-25	Day time	1	210	-	200-300	-	Pass
2	Spot : อาคาร Fire Pump : 1st Floor : Fire Water Pump 2	25110725 (9)-2	12-Dec-25	Day time	1	410	-	200-300	-	Pass

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.

188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (10)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (10)-1

Page 1 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม 20BHE06	25110725 (10)-1	12-Dec-25	Day time	1	250	-	200-300	-	Pass
2	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม 20BHE03	25110725 (10)-2	12-Dec-25	Day time	1	229	-	200-300	-	Pass
3	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม MNS Feeder	25110725 (10)-3	12-Dec-25	Day time	1	268	-	200-300	-	Pass
4	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SB05	25110725 (10)-4	12-Dec-25	Day time	1	329	-	200-300	-	Pass
5	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SB02	25110725 (10)-5	12-Dec-25	Day time	1	278	-	200-300	-	Pass
6	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SAB	25110725 (10)-6	12-Dec-25	Day time	1	262	-	200-300	-	Pass
7	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SA02	25110725 (10)-7	12-Dec-25	Day time	1	278	-	200-300	-	Pass
8	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SA04	25110725 (10)-8	12-Dec-25	Day time	1	242	-	200-300	-	Pass
9	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SA06	25110725 (10)-9	12-Dec-25	Day time	1	264	-	200-300	-	Pass
10	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 400 v : ตู้ควบคุม SA09	25110725 (10)-10	12-Dec-25	Day time	1	240	-	200-300	-	Pass
11	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม J02	25110725 (10)-11	12-Dec-25	Day time	1	289	-	200-300	-	Pass
12	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม J00	25110725 (10)-12	12-Dec-25	Day time	1	277	-	200-300	-	Pass
13	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม J04	25110725 (10)-13	12-Dec-25	Day time	1	244	-	200-300	-	Pass
14	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L03	25110725 (10)-14	12-Dec-25	Day time	1	285	-	200-300	-	Pass
15	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L05	25110725 (10)-15	12-Dec-25	Day time	1	292	-	200-300	-	Pass
16	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L07	25110725 (10)-16	12-Dec-25	Day time	1	298	-	200-300	-	Pass

Technical Management

*Supot S*

Supot Salamteh  
Section Head

Approved by

*Wichan Choonharat*

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client** : Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O** :

**Project Name** : Project 55 MW

**Project Location** : 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (10)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (10)-1

Page 2 of 2

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
17	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L10	25110725 (10)-17	12-Dec-25	Day time	1	315	-	200-300	-	Pass
18	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L13	25110725 (10)-18	12-Dec-25	Day time	1	345	-	200-300	-	Pass
19	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L14	25110725 (10)-19	12-Dec-25	Day time	1	338	-	200-300	-	Pass
20	Spot : อาคารหม้อแปลงไฟฟ้า : 2nd Floor : ห้อง Switchgear 6.9 Kv : ตู้ควบคุม L16	25110725 (10)-20	12-Dec-25	Day time	1	310	-	200-300	-	Pass

**Measurement by** : Sattawat Kaewkanha

**Guideline** : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120  
**P/O :**  
**Project Name :** Project 55 MW  
**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (11)**

Date Received : Dec 14, 2025  
Date Reported : Dec 15, 2025  
Report Number: 25110725 (11)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคารหม้อแปลงไฟฟ้า : 3rd Floor : ห้อง VFD	25110725 (11)-1	12-Dec-25	Day time	1	300	326	100	200	Pass
		25110725 (11)-2	12-Dec-25	Day time	2	393				
		25110725 (11)-3	12-Dec-25	Day time	3	344				
		25110725 (11)-4	12-Dec-25	Day time	4	338				
		25110725 (11)-5	12-Dec-25	Day time	5	350				
		25110725 (11)-6	12-Dec-25	Day time	6	332				
		25110725 (11)-7	12-Dec-25	Day time	7	377				
		25110725 (11)-8	12-Dec-25	Day time	8	393				
		25110725 (11)-9	12-Dec-25	Day time	9	329				
		25110725 (11)-10	12-Dec-25	Day time	10	374				
		25110725 (11)-11	12-Dec-25	Day time	11	310				
		25110725 (11)-12	12-Dec-25	Day time	12	277				
		25110725 (11)-13	12-Dec-25	Day time	13	315				
		25110725 (11)-14	12-Dec-25	Day time	14	310				
		25110725 (11)-15	12-Dec-25	Day time	15	353				
		25110725 (11)-16	12-Dec-25	Day time	16	343				
		25110725 (11)-17	12-Dec-25	Day time	17	302				
		25110725 (11)-18	12-Dec-25	Day time	18	323				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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Section Head

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Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (12)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (12)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : อุปกรณ์ลมแก๊ส	25110725 (12)-1	12-Dec-25	Day time	1	940	-	200-300	-	Pass
2	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : จุดเชื่อม	25110725 (12)-2	12-Dec-25	Day time	1	798	-	200-300	-	Pass
3	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : เครื่อง Hydraulic	25110725 (12)-3	12-Dec-25	Day time	1	788	-	200-300	-	Pass
4	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : โต๊ะจับชิ้นงาน	25110725 (12)-4	12-Dec-25	Day time	1	789	-	200-300	-	Pass
5	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : เครื่องเจียตั้งโต๊ะ	25110725 (12)-5	12-Dec-25	Day time	1	814	-	200-300	-	Pass
6	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : เครื่องตัด Fiber	25110725 (12)-6	12-Dec-25	Day time	1	958	-	200-300	-	Pass
7	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : เครื่องสว่านแท่น	25110725 (12)-7	12-Dec-25	Day time	1	689	-	200-300	-	Pass
8	Spot : อาคาร Spare Part : 1st Floor : Shop Maintenance : ตู้ควบคุม	25110725 (12)-8	12-Dec-25	Day time	1	869	-	200-300	-	Pass
9	Area : อาคาร Spare Part : 1st Floor : ห้องประชุม Maintenance	25110725 (12)-9	12-Dec-25	Day time	1	642	490	150	300	Pass
		25110725 (12)-10	12-Dec-25	Day time	2	457				
		25110725 (12)-11	12-Dec-25	Day time	3	451				
		25110725 (12)-12	12-Dec-25	Day time	4	408				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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Assistant Manager

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## Analysis / Test Report

**Client :** Buayai Bio Power Co., Ltd.  
188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima Thailand 30120

**P/O :**

**Project Name :** Project 55 MW

**Project Location:** 188 Moo 5, Dan Chang, Bua Yai, Nakhonratchasima

**Lot ID: 25110725 (13)**

Date Received : Dec 14, 2025

Date Reported : Dec 15, 2025

Report Number: 25110725 (13)-1

Page 1 of 1

Buayai Bio Power Co., Ltd										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : อาคาร Spare Part : 2nd Floor : Office : ช่างบำรุง	25110725 (13)-1	12-Dec-25	Day time	1	453	438	150	300	Pass
		25110725 (13)-2	12-Dec-25	Day time	2	409				
		25110725 (13)-3	12-Dec-25	Day time	3	524				
		25110725 (13)-4	12-Dec-25	Day time	4	473				
		25110725 (13)-5	12-Dec-25	Day time	5	389				
		25110725 (13)-6	12-Dec-25	Day time	6	410				
		25110725 (13)-7	12-Dec-25	Day time	7	428				
		25110725 (13)-8	12-Dec-25	Day time	8	407				
		25110725 (13)-9	12-Dec-25	Day time	9	447				

**Measurement by :** Sattawat Kaewkanha

**Guideline :** Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

*Supot S*

Supot Salamteh  
Section Head

Approved by

*Wichan Choonharat*

Wichan Choonharat  
Assistant Manager

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