

ภาคผนวก ค

ใบรับรองผลการตรวจวัดคุณภาพสิ่งแวดล้อม

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd.,, Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635074
Date Received : Jun 04, 2026
Date Reported : Jun 10, 2026
Report Number: 3557667-1

Page 1 of 1

Sample Description Air Quality
Location ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (A1) (GPS 47P 0740510, 1421164)
Date Analysis Commenced Jun 05, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (ug/m3)	Particulate Matter (PM-10) (ug/m3)
		Pressure (mm Hg)	Temperature (°C)		
2635074-1	May 22 - May 23, 2026	756	28.5	27.5	15.0
2635074-2	May 23 - May 24, 2026	756	28.4	23.5	12.4
2635074-3	May 24 - May 25, 2026	756	30.2	30.4	14.1
2635074-4	May 25 - May 26, 2026	756	30.8	31.0	16.2
2635074-5	May 26 - May 27, 2026	756	30.6	28.9	13.2
2635074-6	May 27 - May 28, 2026	756	30.9	27.7	12.9
2635074-7	May 28 - May 29, 2026	756	30.1	36.3	17.2
Guideline	-	-	-	200	100

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

Guideline : Notification of the National Environmental Board., 2026 (B.E.2569) dated January 21, 2026.

Sampled By : Sitpawit Suwannarat

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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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No.0042

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Bankhai-Nonglaloek Rd.,, Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635074
Date Received : Jun 04, 2026
Date Reported : Jun 10, 2026
Report Number: 3557667-2

Page 1 of 1

Sample Description Air Quality
Location ที่พักอาศัยทางด้านทิศเหนือของโครงการ (A2) (GPS 47P 0744136, 1421615)
Date Analysis Commenced Jun 05, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (ug/m3)	Particulate Matter (PM-10) (ug/m3)
		Pressure (mm Hg)	Temperature (°C)		
2635074-8	May 22 - May 23, 2026	756	28.5	40.2	18.1
2635074-9	May 23 - May 24, 2026	756	28.4	61.2	24.3
2635074-10	May 24 - May 25, 2026	756	30.2	60.4	26.4
2635074-11	May 25 - May 26, 2026	756	30.8	46.9	19.4
2635074-12	May 26 - May 27, 2026	756	30.6	111	34.5
2635074-13	May 27 - May 28, 2026	756	30.9	189	77.7
2635074-14	May 28 - May 29, 2026	756	30.1	193	61.3
Guideline	-	-	-	200	100

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

Guideline : Notification of the National Environmental Board., 2026 (B.E.2569) dated January 21, 2026.

Sampled By : Sitpawit Suwannarat

Approved by

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TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd.,, Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635074
Date Received : Jun 04, 2026
Date Reported : Jun 10, 2026
Report Number: 3557667-3

Page 1 of 1

Sample Description Air Quality
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (A3) (GPS 47P 0746567, 1419540)
Date Analysis Commenced Jun 05, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (ug/m3)	Particulate Matter (PM-10) (ug/m3)
		Pressure (mm Hg)	Temperature (°C)		
2635074-15	May 22 - May 23, 2026	756	28.5	25.4	13.9
2635074-16	May 23 - May 24, 2026	756	28.4	31.3	13.3
2635074-17	May 24 - May 25, 2026	756	30.2	30.4	15.0
2635074-18	May 25 - May 26, 2026	756	30.8	33.2	16.5
2635074-19	May 26 - May 27, 2026	756	30.6	31.0	14.5
2635074-20	May 27 - May 28, 2026	756	30.9	32.6	12.2
2635074-21	May 28 - May 29, 2026	756	30.1	31.3	16.0
Guideline	-	-	-	200	100

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

Guideline : Notification of the National Environmental Board., 2026 (B.E.2569) dated January 21, 2026.

Sampled By : Sitpawit Suwannarat

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd.,, Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635074
Date Received : Jun 04, 2026
Date Reported : Jun 10, 2026
Report Number: 3557667-4

Page 1 of 1

Sample Description Air Quality
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (A4) (GPS 47P 0744398, 1420927)
Date Analysis Commenced Jun 05, 2026
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (ug/m3)	Particulate Matter (PM-10) (ug/m3)
		Pressure (mm Hg)	Temperature (°C)		
2635074-22	May 22 - May 23, 2026	756	28.5	26.9	12.2
2635074-23	May 23 - May 24, 2026	756	28.4	33.8	15.2
2635074-24	May 24 - May 25, 2026	756	30.2	34.6	15.8
2635074-25	May 25 - May 26, 2026	756	30.8	34.2	17.5
2635074-26	May 26 - May 27, 2026	756	30.6	37.2	15.7
2635074-27	May 27 - May 28, 2026	756	30.9	37.1	13.3
2635074-28	May 28 - May 29, 2026	756	30.1	43.0	17.7
Guideline	-	-	-	200	100

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

Guideline : Notification of the National Environmental Board., 2026 (B.E.2569) dated January 21, 2026.

Sampled By : Sitpawit Suwannarat

Approved by

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120

Lot ID: 2635076
Date Received :Jun 04, 2026
Date Reported :Jun 10, 2026
Report Number :3557666-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 2

Sample Number : 2635076-1 to 7
Parameter : Wind Speed / Wind Direction
Location : ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (A1) (GPS 47P 0740510, 1421164)
Sampling Date : May 22 - May 29, 2026
Sampling by : Sitpawit Suwannarat

Time	May 22 - May 23, 2026			May 23 - May 24, 2026			May 24 - May 25, 2026			May 25 - May 26, 2026			May 26 - May 27, 2026			May 27 - May 28, 2026			May 28 - May 29, 2026		
	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)	
09:00 AM - 10:00 AM	1.7	139.0	SE	0.0	-	-	1.3	232.0	SW	0.9	150.0	SSE	1.5	224.0	SW	4.2	249.0	WSW	1.0	238.0	WSW
10:00 AM - 11:00 AM	0.7	76.0	ENE	0.0	-	-	1.6	238.0	WSW	0.0	-	-	2.3	241.0	WSW	0.0	-	-	1.7	147.0	SSE
11:00 AM - 12:00 PM	1.2	125.0	SE	1.9	249.0	WSW	1.8	258.0	WSW	3.6	187.0	S	4.1	221.0	SW	3.1	237.0	WSW	2.5	232.0	SW
12:00 PM - 01:00 PM	1.1	148.0	SSE	4.4	222.0	SW	3.9	203.0	SSW	1.2	163.0	SSE	0.8	235.0	SW	1.0	163.0	SSE	1.7	216.0	SW
01:00 PM - 02:00 PM	0.0	-	-	0.0	-	-	1.8	187.0	S	2.7	224.0	SW	2.0	204.0	SSW	0.4	187.0	S	1.8	172.0	S
02:00 PM - 03:00 PM	0.7	183.0	S	0.0	-	-	2.1	214.0	SW	1.5	190.0	S	3.8	217.0	SW	1.8	197.0	SSW	0.0	-	-
03:00 PM - 04:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	2.2	159.0	SSE	2.2	166.0	SSE	2.1	220.0	SW	1.5	240.0	WSW
04:00 PM - 05:00 PM	1.5	156.0	SSE	2.4	227.0	SW	1.5	217.0	SW	2.6	140.0	SE	0.9	251.0	WSW	4.7	158.0	SSE	1.6	250.0	WSW
05:00 PM - 06:00 PM	0.3	151.0	SSE	1.1	147.0	SSE	0.6	192.0	SSW	0.6	222.0	SW	1.0	175.0	S	1.8	200.0	SSW	0.5	204.0	SSW
06:00 PM - 07:00 PM	0.3	142.0	SE	0.8	209.0	SSW	1.6	207.0	SSW	0.9	185.0	S	0.0	-	-	4.1	180.0	S	1.7	212.0	SSW
07:00 PM - 08:00 PM	0.0	-	-	0.5	208.0	SSW	0.0	-	-	0.5	187.0	S	0.0	-	-	1.5	223.0	SW	0.8	204.0	SSW
08:00 PM - 09:00 PM	0.4	115.0	ESE	1.0	177.0	S	0.0	-	-	0.4	201.0	SSW	1.0	173.0	S	0.0	-	-	1.3	196.0	SSW
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.1	222.0	SW	0.0	-	-	2.0	209.0	SSW
10:00 PM - 11:00 PM	0.0	-	-	0.3	185.0	S	0.5	239.0	WSW	0.8	230.0	SW	0.0	-	-	0.3	132.0	SE	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.9	200.0	SSW	0.3	315.0	NW	0.0	-	-	0.8	189.0	S	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.3	164.0	SSE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.7	284.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	1.2	247.0	WSW	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	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
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	0.8	253.0	WSW	1.5	229.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	1.6	257.0	WSW	2.2	290.0	WNW	1.1	136.0	SE	0.7	257.0	WSW	0.0	-	-	1.1	242.0	WSW	0.9	223.0	SW
08:00 AM - 09:00 AM	1.2	248.0	WSW	0.9	219.0	SW	0.7	227.0	SW	0.4	196.0	SSW	0.0	-	-	2.2	256.0	WSW	1.2	220.0	SW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

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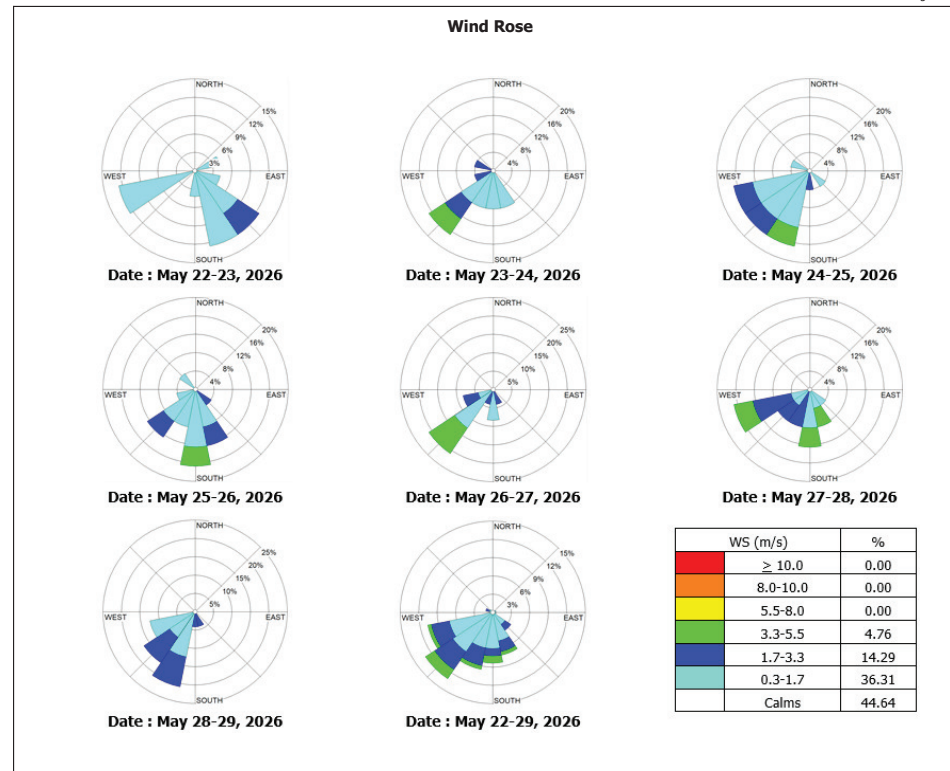
Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120

Lot ID: 2635076
Date Received :Jun 04, 2026
Date Reported :Jun 10, 2026
Report Number :3557666-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 2



Location : ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (A1) (GPS 47P 0740510, 1421164)

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Lot ID: 2635076
Date Received :Jun 04, 2026
Date Reported :Jun 10, 2026
Report Number :3557666-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Sample Number : 2635076-8 to 14
Parameter : Wind Speed / Wind Direction
Location : ที่พักอาศัยทางด้านทิศเหนือของโครงการ (A2) (GPS 47P 0744136, 1421615)
Sampling Date : May 22 - May 29, 2026
Sampling by : Sitpawit Suwannarat

Time	May 22 - May 23, 2026			May 23 - May 24, 2026			May 24 - May 25, 2026			May 25 - May 26, 2026			May 26 - May 27, 2026			May 27 - May 28, 2026			May 28 - May 29, 2026		
	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	136.0	SE	1.5	209.0	SSW	0.8	188.0	S	1.7	208.0	SSW	5.0	243.0	WSW	2.5	190.0	S	1.9	200.0	SSW
11:00 AM - 12:00 PM	0.5	96.0	E	2.9	191.0	S	0.9	207.0	SSW	2.7	207.0	SSW	5.1	164.0	SSE	1.5	220.0	SW	2.3	179.0	S
12:00 PM - 01:00 PM	0.0	-	-	2.8	308.0	NW	2.8	210.0	SSW	3.1	170.0	S	5.2	196.0	SSW	1.2	162.0	SSE	3.2	195.0	SSW
01:00 PM - 02:00 PM	0.0	-	-	0.4	50.0	NE	3.9	215.0	SW	2.6	195.0	SSW	4.4	200.0	SSW	2.6	163.0	SSE	1.8	201.0	SSW
02:00 PM - 03:00 PM	0.0	-	-	0.2	-	-	2.9	259.0	W	5.5	225.0	SW	2.5	212.0	SSW	2.7	132.0	SE	4.4	214.0	SW
03:00 PM - 04:00 PM	1.1	152.0	SSE	2.0	188.0	S	2.1	209.0	SSW	1.5	187.0	S	2.4	186.0	S	2.9	150.0	SSE	0.9	212.0	SSW
04:00 PM - 05:00 PM	0.6	141.0	SE	2.7	153.0	SSE	2.3	214.0	SW	2.6	202.0	SSW	3.6	171.0	S	3.9	196.0	SSW	2.8	197.0	SSW
05:00 PM - 06:00 PM	0.8	157.0	SSE	2.6	167.0	SSE	2.4	170.0	S	0.8	172.0	S	0.8	194.0	SSW	3.2	181.0	S	2.5	189.0	S
06:00 PM - 07:00 PM	0.0	-	-	1.3	163.0	SSE	3.1	174.0	S	1.0	137.0	SE	1.4	132.0	SE	3.3	217.0	SW	1.8	202.0	SSW
07:00 PM - 08:00 PM	0.0	-	-	2.1	168.0	SSE	1.2	145.0	SE	0.3	116.0	ESE	1.5	146.0	SE	1.3	190.0	S	1.4	204.0	SSW
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	1.5	165.0	SSE	1.4	154.0	SSE	2.9	172.0	S	1.4	159.0	SSE	1.1	171.0	S
09:00 PM - 10:00 PM	0.0	-	-	1.4	170.0	S	1.0	204.0	SSW	0.3	232.0	SW	2.5	166.0	SSE	0.0	-	-	2.7	194.0	SSW
10:00 PM - 11:00 PM	0.0	-	-	1.0	149.0	SSE	0.0	-	-	0.3	3.0	N	0.3	144.0	SE	0.5	117.0	ESE	1.1	187.0	S
11:00 PM - 12:00 AM	0.0	-	-	0.5	105.0	ESE	0.0	-	-	0.0	-	-	0.0	-	-	1.0	219.0	SW	0.3	106.0	ESE
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.5	298.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	2.1	282.0	WNW	1.2	11.0	N	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.4	36.0	NE	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-
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	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.5	38.0	NE	0.0	-	-	0.0	-	-	0.0	-	-	0.7	107.0	ESE
06:00 AM - 07:00 AM	0.0	-	-	2.8	239.0	WSW	0.0	-	-	0.0	-	-	0.3	82.0	E	0.5	190.0	S	0.5	102.0	ESE
07:00 AM - 08:00 AM	1.8	227.0	SW	2.3	252.0	WSW	0.0	-	-	0.7	116.0	ESE	0.0	-	-	3.0	264.0	W	2.3	105.0	ESE
08:00 AM - 09:00 AM	0.8	269.0	W	3.6	235.0	SW	1.1	150.0	SSE	0.5	228.0	SW	3.0	255.0	WSW	1.1	298.0	WNW	1.6	106.0	ESE
09:00 AM - 10:00 AM	1.6	242.0	WSW	1.6	280.0	W	0.0	-	-	1.8	173.0	S	1.5	256.0	WSW	1.5	204.0	SSW	2.1	106.0	ESE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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 Jittranont
Assistant General Manager

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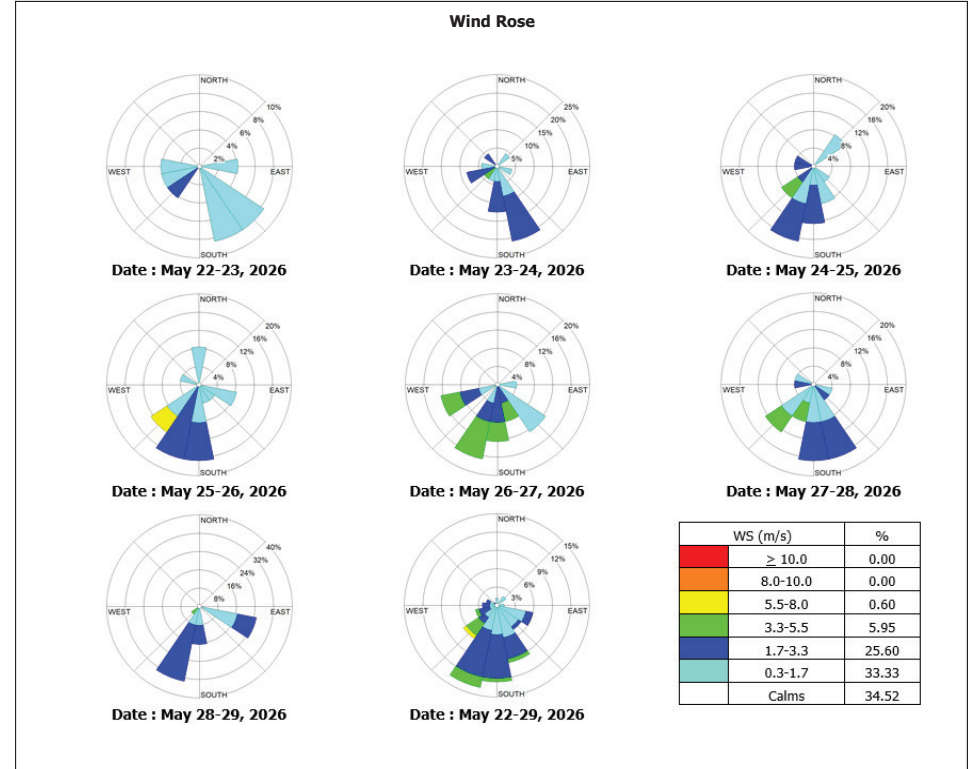
Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120

Lot ID: 2635076
Date Received :Jun 04, 2026
Date Reported :Jun 10, 2026
Report Number :3557666-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 2



Location : ที่พักอาศัยทางด้านทิศเหนือของโครงการ (A2) (GPS 47P 0744136, 1421615)

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.

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120

Lot ID: 2635076
Date Received :Jun 04, 2026
Date Reported :Jun 10, 2026
Report Number :3557666-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Sample Number : 2635076-15 to 21
Parameter : Wind Speed / Wind Direction
Location : ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (A3) (GPS 47P 0746567, 1419540)
Sampling Date : May 22 - May 29, 2026
Sampling by : Sitpawit Suwannarat

Time	May 22 - May 23, 2026			May 23 - May 24, 2026			May 24 - May 25, 2026			May 25 - May 26, 2026			May 26 - May 27, 2026			May 27 - May 28, 2026			May 28 - May 29, 2026		
	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	1.0	90.0	E	1.7	208.0	SSW	0.4	166.0	SSE	2.8	173.0	S	1.8	139.0	SE	1.9	113.0	ESE	0.5	79.0	E
12:00 PM - 01:00 PM	0.6	101.0	E	3.6	183.0	S	0.7	40.0	NE	1.3	162.0	SSE	4.2	108.0	ESE	0.9	127.0	SE	1.5	132.0	SE
01:00 PM - 02:00 PM	0.0	-	-	0.3	74.0	ENE	3.8	172.0	S	0.3	30.0	NNE	3.6	198.0	SSW	2.0	162.0	SSE	0.4	233.0	SW
02:00 PM - 03:00 PM	0.0	-	-	0.4	359.0	N	1.3	169.0	S	3.3	187.0	S	1.0	205.0	SSW	1.2	181.0	S	3.0	146.0	SE
03:00 PM - 04:00 PM	0.0	-	-	0.3	215.0	SW	0.4	317.0	NW	0.2	-	-	0.7	166.0	SSE	1.2	273.0	W	1.7	227.0	SW
04:00 PM - 05:00 PM	0.3	158.0	SSE	2.0	158.0	SSE	1.1	182.0	S	0.2	-	-	0.7	154.0	SSE	1.5	180.0	S	1.6	190.0	S
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	1.4	170.0	S	0.2	-	-	0.4	44.0	NE
06:00 PM - 07:00 PM	0.0	-	-	0.4	147.0	SSE	0.0	-	-	0.0	-	-	0.9	135.0	SE	0.9	224.0	SW	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	181.0	S	0.4	199.0	SSW
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.4	198.0	SSW	0.0	-	-	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	-	-	0.0	-	-	0.3	165.0	SSE	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	1.3	312.0	NW	0.0	-	-	0.0	-	-	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	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.4	124.0	SE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
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	0.1	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.0	-	-	1.7	262.0	W	0.0	-	-	0.8	107.0	ESE	0.5	283.0	WNW	2.0	188.0	S	0.3	148.0	SSE
08:00 AM - 09:00 AM	0.4	238.0	WSW	1.6	208.0	SSW	1.3	152.0	SSE	0.1	-	-	0.0	-	-	2.6	241.0	WSW	0.0	-	-
09:00 AM - 10:00 AM	1.3	190.0	S	0.8	270.0	W	1.8	287.0	WNW	1.8	162.0	SSE	0.7	249.0	WSW	2.5	251.0	WSW	0.0	-	-
10:00 AM - 11:00 AM	2.4	271.0	W	2.6	163.0	SSE	2.8	172.0	S	0.4	211.0	SSW	0.1	-	-	2.6	201.0	SSW	0.0	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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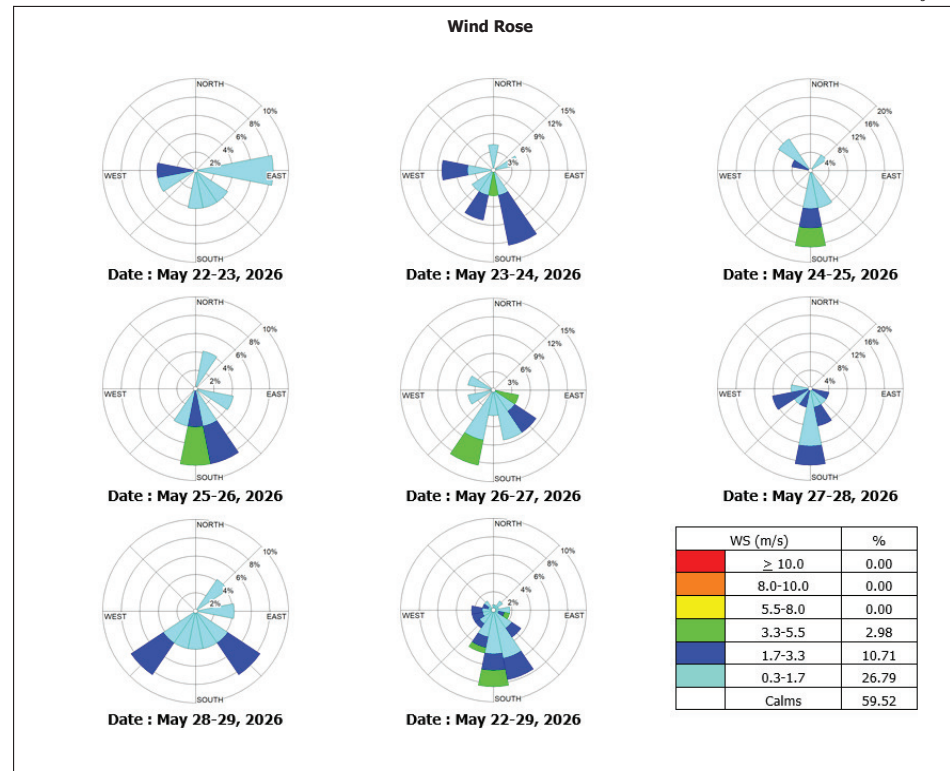
Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120

Lot ID: 2635076
Date Received :Jun 04, 2026
Date Reported :Jun 10, 2026
Report Number :3557666-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 2



Location : ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (A3) (GPS 47P 0746567, 1419540)

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Assistant General Manager

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalom Rd., Nonglalom, Bankhai, Rayong Thailand 21120

Lot ID: 2635076
Date Received :Jun 04, 2026
Date Reported :Jun 10, 2026
Report Number :3557666-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Sample Number : 2635076-22 to 28
Parameter : Wind Speed / Wind Direction
Location : ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (A4) (GPS 47P 0744398, 1420927)
Sampling Date : May 22 - May 29, 2026
Sampling by : Sitpawit Suwannarat

Time	May 22 - May 23, 2026		May 23 - May 24, 2026		May 24 - May 25, 2026		May 25 - May 26, 2026		May 26 - May 27, 2026		May 27 - May 28, 2026		May 28 - May 29, 2026	
	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	0.6	126.0	SE	1.8	197.0	SSW	1.5	235.0	SW	2.0	235.0	SW	2.7	235.0
01:00 PM - 02:00 PM	0.5	108.0	ESE	1.5	151.0	SSE	2.3	273.0	W	3.7	214.0	SW	2.4	221.0
02:00 PM - 03:00 PM	0.0	-	-	0.4	147.0	SSE	1.3	272.0	W	3.2	213.0	SSW	4.0	230.0
03:00 PM - 04:00 PM	0.0	-	-	0.0	-	-	1.6	262.0	W	3.5	240.0	WSW	2.2	214.0
04:00 PM - 05:00 PM	0.0	-	-	2.4	218.0	SW	4.3	222.0	SW	0.8	251.0	WSW	2.3	200.0
05:00 PM - 06:00 PM	0.6	131.0	SE	1.3	203.0	SSW	0.2	-	-	2.3	201.0	SSW	0.7	202.0
06:00 PM - 07:00 PM	0.2	-	-	0.5	206.0	SSW	3.2	196.0	SSW	1.6	131.0	SE	1.5	220.0
07:00 PM - 08:00 PM	0.0	-	-	0.6	175.0	S	0.2	-	-	0.3	107.0	ESE	0.3	131.0
08:00 PM - 09:00 PM	0.0	-	-	0.8	184.0	S	0.4	115.0	ESE	1.1	148.0	SSE	0.9	210.0
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.3	173.0	S	1.4	245.0	WSW	0.2	-
10:00 PM - 11:00 PM	0.5	127.0	SE	0.8	206.0	SSW	0.4	183.0	S	0.5	129.0	SE	1.5	158.0
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	1.1	290.0	WNW	0.8	121.0
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.6	211.0
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	3.1	220.0	SW	0.5	343.0	NNW	0.0	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-
07:00 AM - 08:00 AM	0.0	-	-	2.8	233.0	SW	0.0	-	-	0.4	299.0	WNW	1.1	261.0
08:00 AM - 09:00 AM	1.2	242.0	WSW	1.6	300.0	WNW	0.0	-	-	1.3	272.0	W	0.4	196.0
09:00 AM - 10:00 AM	0.0	-	-	0.7	274.0	W	0.7	111.0	ESE	0.7	224.0	SW	2.0	221.0
10:00 AM - 11:00 AM	2.1	241.0	WSW	1.7	228.0	SW	0.0	-	-	1.5	196.0	SSW	1.9	178.0
11:00 AM - 12:00 PM	2.8	202.0	SSW	1.5	266.0	W	3.0	249.0	WSW	1.5	194.0	SSW	2.9	253.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

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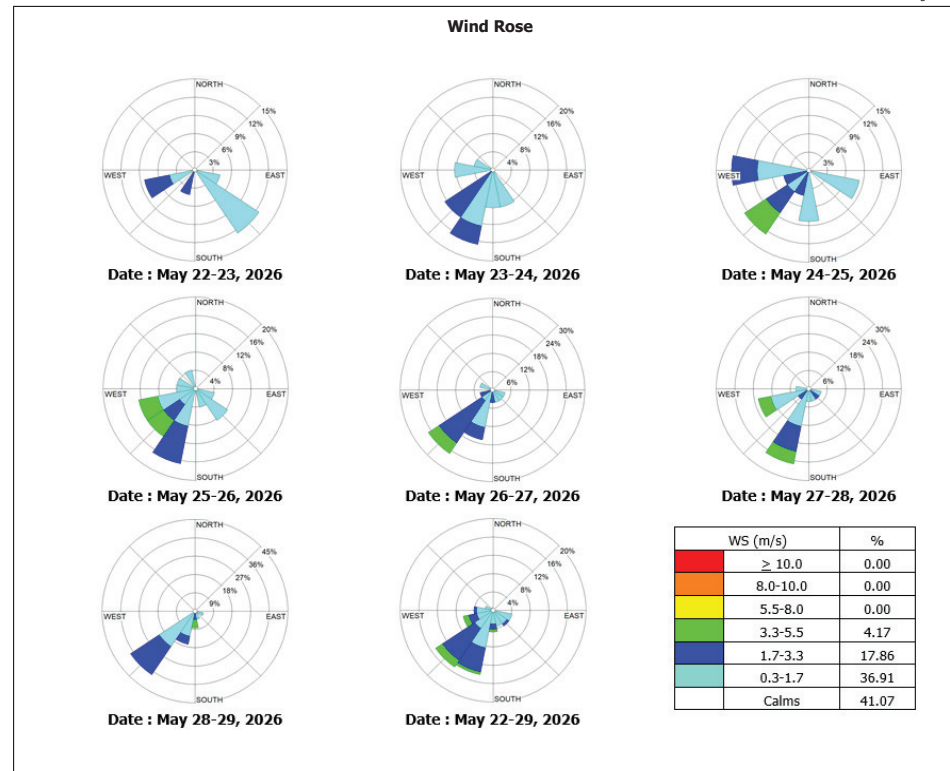
Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalom Rd., Nonglalom, Bankhai, Rayong Thailand 21120

Lot ID: 2635076
Date Received :Jun 04, 2026
Date Reported :Jun 10, 2026
Report Number :3557666-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 2



Location : ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (A4) (GPS 47P 0744398, 1420927)

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ภาคผนวก ค-2

ระดับเสียงทั่วไป

ระดับเสียงเฉลี่ย 24 ชั่วโมง (Leq 24 hr)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591487-1

Page 1 of 1

Sample Number 2635080-1
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	48.4	74.3	43.2
10:00 AM - 11:00 AM	51.8	77.2	42.2
11:00 AM - 12:00 PM	45.8	62.4	41.3
12:00 PM - 01:00 PM	48.6	72.8	43.7
01:00 PM - 02:00 PM	48.7	72.6	42.8
02:00 PM - 03:00 PM	49.5	79.8	45.0
03:00 PM - 04:00 PM	48.6	74.6	43.4
04:00 PM - 05:00 PM	49.4	74.8	43.0
05:00 PM - 06:00 PM	46.6	68.0	42.0
06:00 PM - 07:00 PM	47.1	61.5	42.4
07:00 PM - 08:00 PM	49.9	66.8	43.0
08:00 PM - 09:00 PM	49.2	69.9	42.6
09:00 PM - 10:00 PM	47.9	74.3	42.5
10:00 PM - 11:00 PM	49.6	74.2	44.7
11:00 PM - 12:00 AM	48.1	63.9	45.9
12:00 AM - 01:00 AM	47.6	65.1	45.7
01:00 AM - 02:00 AM	47.7	72.9	45.2
02:00 AM - 03:00 AM	46.2	61.1	44.6
03:00 AM - 04:00 AM	46.1	62.5	44.2
04:00 AM - 05:00 AM	50.1	80.6	44.5
05:00 AM - 06:00 AM	48.7	71.2	44.5
06:00 AM - 07:00 AM	48.8	71.3	44.8
07:00 AM - 08:00 AM	48.3	69.9	43.9
08:00 AM - 09:00 AM	50.0	75.6	43.6

Leq Average 24 hrs. (dB(A)) 48.7

Lmax (dB(A))

80.6

L90 (dB(A))

43.6

Ldn (dB(A))

54.8

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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354-212/ EMAIL

S:\Reports_Air Noise.rpt (11:11AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591488-1

Page 1 of 1

Sample Number 2635080-2
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	48.5	67.1	44.5
10:00 AM - 11:00 AM	50.3	79.8	44.5
11:00 AM - 12:00 PM	48.4	67.8	42.2
12:00 PM - 01:00 PM	51.8	79.2	46.0
01:00 PM - 02:00 PM	51.8	76.5	46.8
02:00 PM - 03:00 PM	47.2	69.4	44.2
03:00 PM - 04:00 PM	47.2	62.5	43.2
04:00 PM - 05:00 PM	50.7	75.1	42.6
05:00 PM - 06:00 PM	54.8	81.1	41.9
06:00 PM - 07:00 PM	48.6	60.9	43.6
07:00 PM - 08:00 PM	48.2	62.7	42.6
08:00 PM - 09:00 PM	46.0	58.8	41.9
09:00 PM - 10:00 PM	47.2	62.9	44.4
10:00 PM - 11:00 PM	45.9	58.9	44.7
11:00 PM - 12:00 AM	46.2	65.1	45.0
12:00 AM - 01:00 AM	45.3	56.7	44.1
01:00 AM - 02:00 AM	47.4	79.0	43.8
02:00 AM - 03:00 AM	47.2	76.4	44.2
03:00 AM - 04:00 AM	46.1	62.2	44.5
04:00 AM - 05:00 AM	50.4	78.1	45.9
05:00 AM - 06:00 AM	55.6	75.3	46.3
06:00 AM - 07:00 AM	52.7	81.4	46.3
07:00 AM - 08:00 AM	51.6	70.6	44.8
08:00 AM - 09:00 AM	49.3	76.3	42.9

Leq Average 24 hrs. (dB(A)) 50.1

Lmax (dB(A))

81.4

L90 (dB(A))

44.2

Ldn (dB(A))

56.5

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:11AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglaloek Rd.,, Nonglaloek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591489-1

Page 1 of 1

Sample Number 2635080-3
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	51.1	78.7	44.9
10:00 AM - 11:00 AM	50.1	70.7	45.3
11:00 AM - 12:00 PM	47.0	69.7	42.1
12:00 PM - 01:00 PM	45.5	67.7	41.4
01:00 PM - 02:00 PM	49.5	75.3	44.7
02:00 PM - 03:00 PM	48.0	74.5	43.8
03:00 PM - 04:00 PM	48.2	73.2	42.8
04:00 PM - 05:00 PM	49.4	73.2	43.1
05:00 PM - 06:00 PM	52.5	79.8	42.6
06:00 PM - 07:00 PM	49.0	78.2	43.1
07:00 PM - 08:00 PM	43.9	63.0	41.4
08:00 PM - 09:00 PM	43.5	62.0	40.9
09:00 PM - 10:00 PM	43.4	60.0	41.8
10:00 PM - 11:00 PM	45.5	61.3	44.4
11:00 PM - 12:00 AM	45.5	71.9	44.0
12:00 AM - 01:00 AM	60.4	90.5	53.3
01:00 AM - 02:00 AM	67.5	90.8	60.1
02:00 AM - 03:00 AM	61.7	80.8	59.3
03:00 AM - 04:00 AM	46.4	60.3	44.6
04:00 AM - 05:00 AM	49.7	72.4	47.2
05:00 AM - 06:00 AM	51.4	78.0	47.7
06:00 AM - 07:00 AM	52.4	77.2	48.5
07:00 AM - 08:00 AM	47.5	69.6	43.9
08:00 AM - 09:00 AM	54.7	72.7	52.5

Leq Average 24 hrs. (dB(A)) 56.2

Lmax (dB(A)) 90.8

L90 (dB(A)) 44.0

Ldn (dB(A)) 65.6

Standard (dB(A)) 70

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:11AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglaloek Rd.,, Nonglaloek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591490-1

Page 1 of 1

Sample Number 2635080-4
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	50.0	65.2	47.4
10:00 AM - 11:00 AM	54.5	76.1	50.1
11:00 AM - 12:00 PM	46.2	66.7	41.0
12:00 PM - 01:00 PM	45.8	77.3	40.1
01:00 PM - 02:00 PM	46.9	72.3	42.7
02:00 PM - 03:00 PM	46.8	72.9	40.7
03:00 PM - 04:00 PM	46.0	67.1	41.3
04:00 PM - 05:00 PM	50.0	66.5	43.0
05:00 PM - 06:00 PM	48.6	75.5	43.1
06:00 PM - 07:00 PM	46.9	70.8	44.0
07:00 PM - 08:00 PM	46.0	62.1	42.6
08:00 PM - 09:00 PM	45.9	60.4	42.2
09:00 PM - 10:00 PM	52.5	75.6	45.2
10:00 PM - 11:00 PM	50.3	72.9	46.7
11:00 PM - 12:00 AM	48.0	65.6	46.8
12:00 AM - 01:00 AM	46.7	59.4	45.5
01:00 AM - 02:00 AM	46.1	57.7	45.1
02:00 AM - 03:00 AM	46.6	57.3	45.6
03:00 AM - 04:00 AM	47.3	62.0	46.1
04:00 AM - 05:00 AM	51.1	68.8	47.8
05:00 AM - 06:00 AM	52.5	75.2	47.9
06:00 AM - 07:00 AM	50.6	66.6	46.0
07:00 AM - 08:00 AM	48.9	72.8	43.6
08:00 AM - 09:00 AM	47.5	67.8	41.9

Leq Average 24 hrs. (dB(A)) 49.2

Lmax (dB(A)) 77.3

L90 (dB(A)) 44.0

Ldn (dB(A)) 55.8

Standard (dB(A)) 70

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:11AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591491-1

Page 1 of 1

Sample Number 2635080-5
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	46.6	64.8	41.6
10:00 AM - 11:00 AM	47.7	70.7	41.2
11:00 AM - 12:00 PM	46.7	74.1	42.1
12:00 PM - 01:00 PM	45.8	68.8	41.6
01:00 PM - 02:00 PM	46.9	71.0	42.0
02:00 PM - 03:00 PM	47.5	77.0	42.0
03:00 PM - 04:00 PM	46.0	70.1	41.9
04:00 PM - 05:00 PM	48.2	74.8	42.4
05:00 PM - 06:00 PM	47.3	66.6	44.7
06:00 PM - 07:00 PM	46.9	59.9	45.5
07:00 PM - 08:00 PM	46.1	59.9	44.6
08:00 PM - 09:00 PM	46.3	58.1	45.2
09:00 PM - 10:00 PM	47.5	72.4	45.3
10:00 PM - 11:00 PM	50.1	77.9	44.9
11:00 PM - 12:00 AM	45.5	61.0	44.5
12:00 AM - 01:00 AM	45.6	60.5	44.2
01:00 AM - 02:00 AM	46.0	58.2	45.0
02:00 AM - 03:00 AM	45.5	58.6	44.5
03:00 AM - 04:00 AM	46.3	60.4	44.8
04:00 AM - 05:00 AM	52.6	77.7	46.3
05:00 AM - 06:00 AM	52.5	73.8	45.6
06:00 AM - 07:00 AM	49.7	68.4	44.6
07:00 AM - 08:00 AM	50.8	69.9	46.1
08:00 AM - 09:00 AM	51.4	69.6	47.3

Leq Average 24 hrs. (dB(A)) 48.4

Lmax (dB(A)) 77.9

L90 (dB(A)) 44.6

Ldn (dB(A)) 55.4

Standard (dB(A)) 70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:11AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591492-1

Page 1 of 1

Sample Number 2635080-6
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.0	74.3	49.2
10:00 AM - 11:00 AM	57.0	77.7	53.0
11:00 AM - 12:00 PM	55.6	75.0	51.8
12:00 PM - 01:00 PM	55.0	73.4	51.7
01:00 PM - 02:00 PM	55.2	74.6	51.3
02:00 PM - 03:00 PM	54.7	77.2	50.4
03:00 PM - 04:00 PM	53.9	73.4	49.8
04:00 PM - 05:00 PM	53.9	81.6	49.5
05:00 PM - 06:00 PM	53.4	77.4	45.3
06:00 PM - 07:00 PM	47.6	63.2	45.9
07:00 PM - 08:00 PM	46.9	55.4	45.7
08:00 PM - 09:00 PM	46.2	62.1	44.9
09:00 PM - 10:00 PM	46.5	62.7	45.0
10:00 PM - 11:00 PM	45.9	67.2	44.6
11:00 PM - 12:00 AM	46.0	58.3	45.0
12:00 AM - 01:00 AM	46.7	71.8	44.9
01:00 AM - 02:00 AM	46.1	57.5	45.0
02:00 AM - 03:00 AM	46.5	62.2	45.2
03:00 AM - 04:00 AM	45.9	55.3	44.7
04:00 AM - 05:00 AM	49.8	71.9	45.8
05:00 AM - 06:00 AM	51.7	77.7	47.7
06:00 AM - 07:00 AM	54.3	75.6	50.5
07:00 AM - 08:00 AM	55.2	80.6	51.2
08:00 AM - 09:00 AM	54.2	73.3	50.4

Leq Average 24 hrs. (dB(A)) 52.5

Lmax (dB(A)) 81.6

L90 (dB(A)) 45.9

Ldn (dB(A)) 56.7

Standard (dB(A)) 70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:12AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591493-1

Page 1 of 1

Sample Number 2635080-7
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	56.3	80.9	52.1
10:00 AM - 11:00 AM	55.3	85.9	51.4
11:00 AM - 12:00 PM	55.6	78.0	51.1
12:00 PM - 01:00 PM	55.3	79.5	50.7
01:00 PM - 02:00 PM	57.1	83.4	52.0
02:00 PM - 03:00 PM	55.6	82.1	51.6
03:00 PM - 04:00 PM	54.3	75.7	50.6
04:00 PM - 05:00 PM	54.9	83.9	48.8
05:00 PM - 06:00 PM	47.8	65.4	43.0
06:00 PM - 07:00 PM	51.0	73.6	45.2
07:00 PM - 08:00 PM	47.2	68.6	44.7
08:00 PM - 09:00 PM	47.3	64.3	45.9
09:00 PM - 10:00 PM	47.0	64.6	45.6
10:00 PM - 11:00 PM	46.6	58.0	45.3
11:00 PM - 12:00 AM	47.3	73.7	45.0
12:00 AM - 01:00 AM	45.4	52.9	44.4
01:00 AM - 02:00 AM	45.7	67.2	44.1
02:00 AM - 03:00 AM	46.2	62.7	44.1
03:00 AM - 04:00 AM	46.8	73.0	44.2
04:00 AM - 05:00 AM	49.9	72.2	45.7
05:00 AM - 06:00 AM	50.6	71.3	47.3
06:00 AM - 07:00 AM	53.8	76.7	50.5
07:00 AM - 08:00 AM	56.2	79.7	52.3
08:00 AM - 09:00 AM	52.5	66.5	49.4

Leq Average 24 hrs. (dB(A))

52.8

Lmax (dB(A))

85.9

L90 (dB(A))

45.9

Ldn (dB(A))

56.6

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:12AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591494-1

Page 1 of 1

Sample Number 2635080-8
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.5	77.9	46.4
11:00 AM - 12:00 PM	54.0	82.2	41.2
12:00 PM - 01:00 PM	52.4	84.6	39.4
01:00 PM - 02:00 PM	53.6	76.1	45.0
02:00 PM - 03:00 PM	58.3	83.6	48.3
03:00 PM - 04:00 PM	54.6	80.8	45.4
04:00 PM - 05:00 PM	53.0	70.9	44.8
05:00 PM - 06:00 PM	51.9	72.5	43.7
06:00 PM - 07:00 PM	54.3	69.4	45.2
07:00 PM - 08:00 PM	54.1	62.4	50.9
08:00 PM - 09:00 PM	59.4	65.8	56.6
09:00 PM - 10:00 PM	58.1	64.7	53.3
10:00 PM - 11:00 PM	58.9	67.4	55.1
11:00 PM - 12:00 AM	59.5	66.3	55.6
12:00 AM - 01:00 AM	59.2	66.0	55.6
01:00 AM - 02:00 AM	61.9	66.5	59.4
02:00 AM - 03:00 AM	61.8	66.7	58.9
03:00 AM - 04:00 AM	61.6	67.7	58.1
04:00 AM - 05:00 AM	58.0	66.7	51.8
05:00 AM - 06:00 AM	49.3	70.2	46.8
06:00 AM - 07:00 AM	50.8	76.3	46.1
07:00 AM - 08:00 AM	54.5	73.2	49.6
08:00 AM - 09:00 AM	55.7	76.2	47.2
09:00 AM - 10:00 AM	51.3	72.3	44.8

Leq Average 24 hrs. (dB(A))

57.3

Lmax (dB(A))

84.6

L90 (dB(A))

47.2

Ldn (dB(A))

65.4

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:12AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591495-1

Page 1 of 1

Sample Number 2635080-9
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.3	75.1	44.0
11:00 AM - 12:00 PM	53.7	78.2	45.9
12:00 PM - 01:00 PM	47.2	70.2	41.7
01:00 PM - 02:00 PM	54.0	83.1	43.9
02:00 PM - 03:00 PM	46.6	69.0	41.8
03:00 PM - 04:00 PM	52.1	70.8	44.0
04:00 PM - 05:00 PM	52.4	77.7	44.9
05:00 PM - 06:00 PM	47.7	68.9	42.6
06:00 PM - 07:00 PM	51.6	75.7	46.2
07:00 PM - 08:00 PM	50.8	69.4	48.5
08:00 PM - 09:00 PM	49.1	57.3	47.1
09:00 PM - 10:00 PM	47.9	68.8	46.1
10:00 PM - 11:00 PM	47.4	64.5	45.7
11:00 PM - 12:00 AM	46.8	60.5	45.4
12:00 AM - 01:00 AM	46.8	60.6	45.1
01:00 AM - 02:00 AM	47.1	59.1	44.6
02:00 AM - 03:00 AM	47.7	61.9	45.0
03:00 AM - 04:00 AM	47.4	57.8	43.7
04:00 AM - 05:00 AM	47.8	57.2	43.6
05:00 AM - 06:00 AM	49.8	64.0	46.4
06:00 AM - 07:00 AM	50.6	71.3	44.8
07:00 AM - 08:00 AM	53.4	74.7	47.4
08:00 AM - 09:00 AM	51.9	77.1	44.8
09:00 AM - 10:00 AM	55.7	78.9	50.7

Leq Average 24 hrs. (dB(A))

50.8

Lmax (dB(A))

83.1

L90 (dB(A))

44.9

Ldn (dB(A))

55.3

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:12AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591496-1

Page 1 of 1

Sample Number 2635080-10
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.1	70.8	43.3
11:00 AM - 12:00 PM	49.8	75.7	38.2
12:00 PM - 01:00 PM	46.9	68.9	38.6
01:00 PM - 02:00 PM	56.0	79.7	49.9
02:00 PM - 03:00 PM	54.7	77.9	45.1
03:00 PM - 04:00 PM	59.4	84.9	53.0
04:00 PM - 05:00 PM	50.7	70.8	46.6
05:00 PM - 06:00 PM	54.2	87.2	46.1
06:00 PM - 07:00 PM	47.2	69.3	43.9
07:00 PM - 08:00 PM	50.6	73.2	46.9
08:00 PM - 09:00 PM	47.7	68.0	45.0
09:00 PM - 10:00 PM	47.3	64.2	45.3
10:00 PM - 11:00 PM	45.5	62.9	43.1
11:00 PM - 12:00 AM	45.1	52.2	43.4
12:00 AM - 01:00 AM	45.4	54.9	43.3
01:00 AM - 02:00 AM	45.2	60.8	43.0
02:00 AM - 03:00 AM	65.6	96.0	50.6
03:00 AM - 04:00 AM	59.9	81.9	56.5
04:00 AM - 05:00 AM	50.6	63.8	45.6
05:00 AM - 06:00 AM	53.5	65.6	48.0
06:00 AM - 07:00 AM	54.2	73.6	47.2
07:00 AM - 08:00 AM	54.4	78.3	48.2
08:00 AM - 09:00 AM	53.9	78.7	49.2
09:00 AM - 10:00 AM	52.3	73.5	44.5

Leq Average 24 hrs. (dB(A))

55.5

Lmax (dB(A))

96.0

L90 (dB(A))

45.3

Ldn (dB(A))

63.7

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:12AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglalek Rd.,, Nonglalek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591497-1

Page 1 of 1

Sample Number 2635080-11
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.7	74.0	40.7
11:00 AM - 12:00 PM	51.3	77.6	42.3
12:00 PM - 01:00 PM	47.3	74.7	41.4
01:00 PM - 02:00 PM	49.6	67.7	44.7
02:00 PM - 03:00 PM	48.9	73.0	43.8
03:00 PM - 04:00 PM	50.6	74.5	45.5
04:00 PM - 05:00 PM	51.0	69.9	45.7
05:00 PM - 06:00 PM	53.2	79.1	45.2
06:00 PM - 07:00 PM	51.4	75.2	45.9
07:00 PM - 08:00 PM	53.0	66.9	50.3
08:00 PM - 09:00 PM	52.4	59.7	49.7
09:00 PM - 10:00 PM	51.7	56.0	46.8
10:00 PM - 11:00 PM	51.3	62.1	46.0
11:00 PM - 12:00 AM	49.4	79.0	45.0
12:00 AM - 01:00 AM	48.8	55.4	46.2
01:00 AM - 02:00 AM	49.7	56.9	45.5
02:00 AM - 03:00 AM	49.5	70.6	45.0
03:00 AM - 04:00 AM	53.1	58.4	49.9
04:00 AM - 05:00 AM	52.0	71.6	48.1
05:00 AM - 06:00 AM	51.4	63.1	47.7
06:00 AM - 07:00 AM	51.6	69.1	44.8
07:00 AM - 08:00 AM	54.0	72.4	49.4
08:00 AM - 09:00 AM	52.7	74.4	47.7
09:00 AM - 10:00 AM	53.9	71.2	48.7

Leq Average 24 hrs. (dB(A))

51.5

Lmax (dB(A))

79.1

L90 (dB(A))

45.7

Ldn (dB(A))

57.5

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:13AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglalek Rd.,, Nonglalek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591498-1

Page 1 of 1

Sample Number 2635080-12
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.2	82.7	50.3
11:00 AM - 12:00 PM	54.5	73.2	49.8
12:00 PM - 01:00 PM	49.4	74.0	44.8
01:00 PM - 02:00 PM	57.2	78.1	51.9
02:00 PM - 03:00 PM	54.2	79.9	45.7
03:00 PM - 04:00 PM	54.3	82.8	48.0
04:00 PM - 05:00 PM	55.2	81.8	47.6
05:00 PM - 06:00 PM	50.1	72.9	42.1
06:00 PM - 07:00 PM	50.0	73.5	43.7
07:00 PM - 08:00 PM	52.5	61.2	50.1
08:00 PM - 09:00 PM	51.8	58.6	49.4
09:00 PM - 10:00 PM	49.0	58.7	45.7
10:00 PM - 11:00 PM	47.0	71.6	43.6
11:00 PM - 12:00 AM	50.1	58.3	47.8
12:00 AM - 01:00 AM	50.1	55.6	48.1
01:00 AM - 02:00 AM	49.4	55.3	46.5
02:00 AM - 03:00 AM	45.0	59.7	42.0
03:00 AM - 04:00 AM	45.3	59.0	41.9
04:00 AM - 05:00 AM	45.5	62.8	41.9
05:00 AM - 06:00 AM	46.2	60.0	44.2
06:00 AM - 07:00 AM	48.2	66.6	42.6
07:00 AM - 08:00 AM	52.9	72.5	48.8
08:00 AM - 09:00 AM	55.1	75.5	47.7
09:00 AM - 10:00 AM	62.9	87.4	51.4

Leq Average 24 hrs. (dB(A))

53.8

Lmax (dB(A))

87.4

L90 (dB(A))

46.5

Ldn (dB(A))

56.5

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:13AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591499-1

Page 1 of 1

Sample Number 2635080-13
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.2	86.8	51.9
11:00 AM - 12:00 PM	54.7	78.2	49.8
12:00 PM - 01:00 PM	50.0	68.6	48.0
01:00 PM - 02:00 PM	57.2	84.4	51.2
02:00 PM - 03:00 PM	54.3	82.1	48.9
03:00 PM - 04:00 PM	54.8	82.7	50.0
04:00 PM - 05:00 PM	56.1	80.5	51.6
05:00 PM - 06:00 PM	49.9	74.2	43.9
06:00 PM - 07:00 PM	49.9	77.2	44.1
07:00 PM - 08:00 PM	48.7	60.9	46.9
08:00 PM - 09:00 PM	47.3	63.7	45.4
09:00 PM - 10:00 PM	49.4	53.7	47.0
10:00 PM - 11:00 PM	49.9	61.6	46.6
11:00 PM - 12:00 AM	47.3	55.5	44.9
12:00 AM - 01:00 AM	44.6	56.9	43.2
01:00 AM - 02:00 AM	43.6	64.5	42.4
02:00 AM - 03:00 AM	43.6	58.8	41.7
03:00 AM - 04:00 AM	42.5	55.1	41.3
04:00 AM - 05:00 AM	43.1	53.7	41.9
05:00 AM - 06:00 AM	45.7	60.3	43.3
06:00 AM - 07:00 AM	50.9	70.4	42.9
07:00 AM - 08:00 AM	51.2	72.4	45.7
08:00 AM - 09:00 AM	56.0	72.7	51.1
09:00 AM - 10:00 AM	52.9	70.9	47.8

Leq Average 24 hrs. (dB(A)) 53.0

Lmax (dB(A)) 86.8

L90 (dB(A)) 45.7

Ldn (dB(A)) 55.5

Standard (dB(A)) 70

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:13AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591500-1

Page 1 of 1

Sample Number 2635080-14
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120936

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.3	78.4	49.5
11:00 AM - 12:00 PM	53.5	81.6	48.3
12:00 PM - 01:00 PM	50.4	82.2	43.7
01:00 PM - 02:00 PM	53.3	76.0	47.7
02:00 PM - 03:00 PM	55.0	82.3	49.1
03:00 PM - 04:00 PM	52.9	69.3	47.9
04:00 PM - 05:00 PM	52.2	69.5	45.5
05:00 PM - 06:00 PM	50.1	71.9	40.9
06:00 PM - 07:00 PM	48.9	68.2	44.9
07:00 PM - 08:00 PM	48.6	63.2	46.9
08:00 PM - 09:00 PM	48.2	62.8	45.2
09:00 PM - 10:00 PM	45.9	55.1	44.4
10:00 PM - 11:00 PM	45.6	52.7	43.0
11:00 PM - 12:00 AM	48.5	56.8	45.7
12:00 AM - 01:00 AM	47.6	71.9	44.3
01:00 AM - 02:00 AM	45.7	58.3	42.4
02:00 AM - 03:00 AM	43.7	56.6	42.0
03:00 AM - 04:00 AM	43.6	55.4	41.3
04:00 AM - 05:00 AM	45.5	70.8	41.4
05:00 AM - 06:00 AM	48.1	65.2	43.8
06:00 AM - 07:00 AM	46.9	72.3	42.2
07:00 AM - 08:00 AM	53.7	74.1	47.0
08:00 AM - 09:00 AM	56.6	77.1	52.3
09:00 AM - 10:00 AM	53.9	81.8	48.8

Leq Average 24 hrs. (dB(A)) 51.2

Lmax (dB(A)) 82.3

L90 (dB(A)) 44.9

Ldn (dB(A)) 54.5

Standard (dB(A)) 70

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:13AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591501-1

Page 1 of 1

Sample Number 2635080-15
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.7	67.8	41.1
01:00 PM - 02:00 PM	47.4	75.8	39.7
02:00 PM - 03:00 PM	47.6	77.9	44.0
03:00 PM - 04:00 PM	56.3	83.4	44.1
04:00 PM - 05:00 PM	49.6	73.5	43.9
05:00 PM - 06:00 PM	49.7	71.3	44.6
06:00 PM - 07:00 PM	52.6	66.8	50.5
07:00 PM - 08:00 PM	51.6	64.5	49.1
08:00 PM - 09:00 PM	49.5	65.0	47.6
09:00 PM - 10:00 PM	47.7	63.5	45.9
10:00 PM - 11:00 PM	46.8	66.7	45.5
11:00 PM - 12:00 AM	46.6	67.4	44.0
12:00 AM - 01:00 AM	44.8	57.9	43.5
01:00 AM - 02:00 AM	45.1	61.9	43.5
02:00 AM - 03:00 AM	45.5	58.6	44.1
03:00 AM - 04:00 AM	48.8	60.1	45.7
04:00 AM - 05:00 AM	52.5	74.3	49.3
05:00 AM - 06:00 AM	52.1	70.3	49.6
06:00 AM - 07:00 AM	51.6	71.0	47.6
07:00 AM - 08:00 AM	49.6	66.9	42.5
08:00 AM - 09:00 AM	49.5	69.0	40.2
09:00 AM - 10:00 AM	46.2	67.2	39.7
10:00 AM - 11:00 AM	46.0	71.2	40.8
11:00 AM - 12:00 PM	47.5	68.2	41.0

Leq Average 24 hrs. (dB(A)) 49.8

Lmax (dB(A))

83.4

L90 (dB(A))

44.0

Ldn (dB(A))

55.8

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:13AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591502-1

Page 1 of 1

Sample Number 2635080-16
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.8	64.6	42.4
01:00 PM - 02:00 PM	47.4	65.9	42.4
02:00 PM - 03:00 PM	47.2	73.2	40.8
03:00 PM - 04:00 PM	47.4	70.6	40.7
04:00 PM - 05:00 PM	48.2	68.3	42.8
05:00 PM - 06:00 PM	48.2	66.3	43.2
06:00 PM - 07:00 PM	54.3	73.3	51.8
07:00 PM - 08:00 PM	52.4	65.4	50.2
08:00 PM - 09:00 PM	50.4	60.9	48.3
09:00 PM - 10:00 PM	48.5	58.3	46.7
10:00 PM - 11:00 PM	48.3	69.7	45.9
11:00 PM - 12:00 AM	48.2	60.0	46.4
12:00 AM - 01:00 AM	46.2	64.6	43.8
01:00 AM - 02:00 AM	47.3	68.6	45.6
02:00 AM - 03:00 AM	45.9	57.5	44.2
03:00 AM - 04:00 AM	45.7	56.6	43.9
04:00 AM - 05:00 AM	50.2	68.6	47.2
05:00 AM - 06:00 AM	49.4	68.4	46.5
06:00 AM - 07:00 AM	49.6	72.2	43.9
07:00 AM - 08:00 AM	47.5	65.2	41.6
08:00 AM - 09:00 AM	45.4	62.0	40.1
09:00 AM - 10:00 AM	44.4	69.9	38.3
10:00 AM - 11:00 AM	46.0	72.2	38.6
11:00 AM - 12:00 PM	45.7	70.1	39.8

Leq Average 24 hrs. (dB(A)) 48.7

Lmax (dB(A))

73.3

L90 (dB(A))

43.8

Ldn (dB(A))

54.7

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591503-1

Page 1 of 1

Sample Number 2635080-17
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.7	67.9	40.3
01:00 PM - 02:00 PM	47.4	70.2	42.0
02:00 PM - 03:00 PM	47.8	70.7	42.3
03:00 PM - 04:00 PM	49.0	75.8	43.4
04:00 PM - 05:00 PM	48.4	69.8	43.1
05:00 PM - 06:00 PM	50.1	80.4	42.2
06:00 PM - 07:00 PM	49.2	67.2	46.6
07:00 PM - 08:00 PM	49.6	61.5	47.2
08:00 PM - 09:00 PM	48.8	67.1	46.6
09:00 PM - 10:00 PM	49.5	76.0	45.5
10:00 PM - 11:00 PM	45.9	57.5	43.9
11:00 PM - 12:00 AM	46.5	61.9	44.0
12:00 AM - 01:00 AM	46.8	62.8	43.1
01:00 AM - 02:00 AM	57.5	88.0	42.8
02:00 AM - 03:00 AM	60.9	84.9	49.6
03:00 AM - 04:00 AM	49.8	72.0	45.4
04:00 AM - 05:00 AM	50.5	76.6	47.2
05:00 AM - 06:00 AM	51.7	69.9	48.4
06:00 AM - 07:00 AM	54.1	81.5	49.5
07:00 AM - 08:00 AM	58.5	90.3	44.4
08:00 AM - 09:00 AM	46.8	76.3	40.8
09:00 AM - 10:00 AM	50.6	71.8	45.2
10:00 AM - 11:00 AM	57.3	93.0	43.2
11:00 AM - 12:00 PM	48.3	66.3	43.9

Leq Average 24 hrs. (dB(A)) 53.0

Lmax (dB(A)) 93.0

L90 (dB(A)) 43.9

Ldn (dB(A)) 60.6

Standard (dB(A)) 70

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591504-1

Page 1 of 1

Sample Number 2635080-18
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	49.9	73.0	43.6
01:00 PM - 02:00 PM	52.4	74.1	46.8
02:00 PM - 03:00 PM	55.8	80.4	49.4
03:00 PM - 04:00 PM	56.5	77.5	48.7
04:00 PM - 05:00 PM	60.1	95.5	50.0
05:00 PM - 06:00 PM	49.7	80.1	44.0
06:00 PM - 07:00 PM	58.6	88.4	48.6
07:00 PM - 08:00 PM	50.2	70.2	47.6
08:00 PM - 09:00 PM	49.8	64.0	47.6
09:00 PM - 10:00 PM	49.8	62.8	47.7
10:00 PM - 11:00 PM	50.7	69.8	47.3
11:00 PM - 12:00 AM	48.9	57.8	46.9
12:00 AM - 01:00 AM	48.1	59.2	45.6
01:00 AM - 02:00 AM	48.3	57.8	46.7
02:00 AM - 03:00 AM	48.5	65.8	47.4
03:00 AM - 04:00 AM	49.1	64.4	47.4
04:00 AM - 05:00 AM	61.8	93.8	47.2
05:00 AM - 06:00 AM	50.3	67.3	47.4
06:00 AM - 07:00 AM	54.4	87.1	47.4
07:00 AM - 08:00 AM	51.9	83.3	41.2
08:00 AM - 09:00 AM	47.7	72.9	40.8
09:00 AM - 10:00 AM	54.1	80.1	43.3
10:00 AM - 11:00 AM	58.4	80.3	49.6
11:00 AM - 12:00 PM	54.8	80.5	46.8

Leq Average 24 hrs. (dB(A)) 54.7

Lmax (dB(A)) 95.5

L90 (dB(A)) 47.3

Ldn (dB(A)) 60.7

Standard (dB(A)) 70

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:14AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591505-1

Page 1 of 1

Sample Number 2635080-19
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	55.3	80.3	49.8
01:00 PM - 02:00 PM	58.1	80.1	50.0
02:00 PM - 03:00 PM	56.7	87.1	48.5
03:00 PM - 04:00 PM	56.2	83.7	44.9
04:00 PM - 05:00 PM	49.4	72.5	44.7
05:00 PM - 06:00 PM	51.0	73.5	45.5
06:00 PM - 07:00 PM	58.2	68.6	52.0
07:00 PM - 08:00 PM	57.1	64.0	50.5
08:00 PM - 09:00 PM	56.4	73.3	48.3
09:00 PM - 10:00 PM	53.5	64.5	49.6
10:00 PM - 11:00 PM	49.0	59.6	47.0
11:00 PM - 12:00 AM	49.3	56.4	47.9
12:00 AM - 01:00 AM	48.1	63.1	46.7
01:00 AM - 02:00 AM	48.5	59.6	47.5
02:00 AM - 03:00 AM	50.6	67.5	49.1
03:00 AM - 04:00 AM	52.4	64.3	49.9
04:00 AM - 05:00 AM	53.8	70.3	49.8
05:00 AM - 06:00 AM	52.0	72.8	46.8
06:00 AM - 07:00 AM	50.8	66.1	45.7
07:00 AM - 08:00 AM	48.4	74.3	41.3
08:00 AM - 09:00 AM	45.2	62.8	39.4
09:00 AM - 10:00 AM	45.0	62.2	40.0
10:00 AM - 11:00 AM	46.4	67.8	41.0
11:00 AM - 12:00 PM	46.6	70.4	41.2

Leq Average 24 hrs. (dB(A)) 53.4

Lmax (dB(A)) 87.1

L90 (dB(A)) 47.0

Ldn (dB(A)) 58.0

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:14AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591506-1

Page 1 of 1

Sample Number 2635080-20
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	44.9	61.9	39.8
01:00 PM - 02:00 PM	48.2	69.3	43.2
02:00 PM - 03:00 PM	50.3	72.0	46.1
03:00 PM - 04:00 PM	51.5	71.9	47.4
04:00 PM - 05:00 PM	53.3	72.7	48.0
05:00 PM - 06:00 PM	49.8	66.1	46.4
06:00 PM - 07:00 PM	53.5	73.3	50.1
07:00 PM - 08:00 PM	52.9	66.0	50.6
08:00 PM - 09:00 PM	51.8	67.5	49.4
09:00 PM - 10:00 PM	47.2	61.1	45.8
10:00 PM - 11:00 PM	46.7	56.2	45.3
11:00 PM - 12:00 AM	45.1	57.1	43.7
12:00 AM - 01:00 AM	47.1	51.2	46.0
01:00 AM - 02:00 AM	47.5	58.0	46.3
02:00 AM - 03:00 AM	47.1	55.6	45.9
03:00 AM - 04:00 AM	48.4	58.1	46.5
04:00 AM - 05:00 AM	50.9	68.1	48.0
05:00 AM - 06:00 AM	51.0	70.6	48.4
06:00 AM - 07:00 AM	51.9	78.8	47.5
07:00 AM - 08:00 AM	48.6	75.4	42.8
08:00 AM - 09:00 AM	49.8	76.1	44.2
09:00 AM - 10:00 AM	51.3	67.7	47.1
10:00 AM - 11:00 AM	48.9	70.4	43.8
11:00 AM - 12:00 PM	55.0	92.2	43.1

Leq Average 24 hrs. (dB(A)) 50.5

Lmax (dB(A)) 92.2

L90 (dB(A)) 46.1

Ldn (dB(A)) 55.8

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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S:\Reports_Air Noise.rpt (11:14AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591507-1

Page 1 of 1

Sample Number 2635080-21
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	48.6	71.8	43.8
01:00 PM - 02:00 PM	50.3	66.2	46.5
02:00 PM - 03:00 PM	50.2	66.9	45.7
03:00 PM - 04:00 PM	49.9	77.2	43.4
04:00 PM - 05:00 PM	49.3	76.3	42.9
05:00 PM - 06:00 PM	48.3	79.5	41.6
06:00 PM - 07:00 PM	50.0	62.7	46.4
07:00 PM - 08:00 PM	49.0	63.2	45.1
08:00 PM - 09:00 PM	49.4	68.0	46.9
09:00 PM - 10:00 PM	49.5	62.5	47.2
10:00 PM - 11:00 PM	48.0	59.0	46.4
11:00 PM - 12:00 AM	47.7	56.1	46.5
12:00 AM - 01:00 AM	46.5	52.4	45.7
01:00 AM - 02:00 AM	46.6	57.9	45.7
02:00 AM - 03:00 AM	45.0	60.8	44.0
03:00 AM - 04:00 AM	46.1	59.1	44.4
04:00 AM - 05:00 AM	49.1	62.7	46.9
05:00 AM - 06:00 AM	52.9	77.8	46.7
06:00 AM - 07:00 AM	50.4	73.2	44.5
07:00 AM - 08:00 AM	46.6	64.3	40.2
08:00 AM - 09:00 AM	47.3	77.0	42.7
09:00 AM - 10:00 AM	51.1	74.1	45.0
10:00 AM - 11:00 AM	57.2	93.0	43.1
11:00 AM - 12:00 PM	48.1	68.2	41.4

Leq Average 24 hrs. (dB(A)) 50.0

Lmax (dB(A)) 93.0

L90 (dB(A)) 45.0

Ldn (dB(A)) 55.5

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:14AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591508-1

Page 1 of 1

Sample Number 2635080-22
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	45.5	65.1	42.2
12:00 PM - 01:00 PM	51.9	77.4	43.5
01:00 PM - 02:00 PM	48.6	77.7	43.2
02:00 PM - 03:00 PM	50.7	73.9	43.6
03:00 PM - 04:00 PM	51.5	80.2	45.5
04:00 PM - 05:00 PM	48.2	72.6	44.1
05:00 PM - 06:00 PM	48.1	70.6	43.4
06:00 PM - 07:00 PM	49.7	74.0	45.7
07:00 PM - 08:00 PM	51.1	72.3	49.7
08:00 PM - 09:00 PM	51.8	72.0	49.1
09:00 PM - 10:00 PM	53.1	59.8	52.6
10:00 PM - 11:00 PM	58.1	72.2	57.5
11:00 PM - 12:00 AM	61.2	63.6	60.8
12:00 AM - 01:00 AM	61.7	63.4	61.2
01:00 AM - 02:00 AM	59.5	73.7	58.9
02:00 AM - 03:00 AM	56.3	63.6	55.6
03:00 AM - 04:00 AM	53.1	58.2	52.3
04:00 AM - 05:00 AM	51.6	61.3	50.8
05:00 AM - 06:00 AM	56.3	92.5	47.6
06:00 AM - 07:00 AM	48.9	72.4	45.2
07:00 AM - 08:00 AM	49.0	70.9	44.3
08:00 AM - 09:00 AM	48.6	71.4	44.3
09:00 AM - 10:00 AM	49.8	76.9	43.5
10:00 AM - 11:00 AM	46.2	76.9	41.6

Leq Average 24 hrs. (dB(A)) 54.7

Lmax (dB(A)) 92.5

L90 (dB(A)) 45.5

Ldn (dB(A)) 63.8

Standard (dB(A)) 70 115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglalek Rd.,, Nonglalek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591509-1

Page 1 of 1

Sample Number 2635080-23
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	46.5	70.6	40.5
12:00 PM - 01:00 PM	47.9	69.0	41.8
01:00 PM - 02:00 PM	47.3	72.8	42.7
02:00 PM - 03:00 PM	47.9	74.0	40.6
03:00 PM - 04:00 PM	45.9	70.2	40.2
04:00 PM - 05:00 PM	48.6	76.0	42.6
05:00 PM - 06:00 PM	52.1	78.9	43.0
06:00 PM - 07:00 PM	48.9	72.7	45.4
07:00 PM - 08:00 PM	56.7	74.0	51.1
08:00 PM - 09:00 PM	56.2	71.2	50.5
09:00 PM - 10:00 PM	49.3	58.9	48.2
10:00 PM - 11:00 PM	50.0	65.7	49.1
11:00 PM - 12:00 AM	52.8	69.8	51.8
12:00 AM - 01:00 AM	51.1	55.3	50.3
01:00 AM - 02:00 AM	48.1	53.5	46.7
02:00 AM - 03:00 AM	47.1	74.2	44.3
03:00 AM - 04:00 AM	47.5	54.4	45.8
04:00 AM - 05:00 AM	46.1	54.7	43.4
05:00 AM - 06:00 AM	49.5	77.0	44.0
06:00 AM - 07:00 AM	53.4	76.9	47.3
07:00 AM - 08:00 AM	53.1	69.9	47.2
08:00 AM - 09:00 AM	57.4	72.6	52.5
09:00 AM - 10:00 AM	55.4	74.0	50.0
10:00 AM - 11:00 AM	50.1	74.7	42.2

Leq Average 24 hrs. (dB(A))

51.9

Lmax (dB(A))

78.9

L90 (dB(A))

45.4

Ldn (dB(A))

57.0

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglalek Rd.,, Nonglalek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591510-1

Page 1 of 1

Sample Number 2635080-24
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.9	77.6	51.9
12:00 PM - 01:00 PM	50.7	66.2	44.0
01:00 PM - 02:00 PM	45.3	68.4	40.8
02:00 PM - 03:00 PM	49.2	75.8	41.1
03:00 PM - 04:00 PM	49.1	73.5	42.2
04:00 PM - 05:00 PM	48.7	75.0	41.9
05:00 PM - 06:00 PM	46.1	67.7	41.8
06:00 PM - 07:00 PM	46.1	66.7	42.7
07:00 PM - 08:00 PM	49.6	63.6	47.2
08:00 PM - 09:00 PM	50.0	72.2	47.9
09:00 PM - 10:00 PM	51.1	73.1	47.0
10:00 PM - 11:00 PM	49.9	59.9	47.0
11:00 PM - 12:00 AM	48.3	71.0	44.8
12:00 AM - 01:00 AM	44.0	52.7	42.8
01:00 AM - 02:00 AM	48.5	88.0	42.7
02:00 AM - 03:00 AM	66.1	94.2	57.0
03:00 AM - 04:00 AM	57.2	78.4	53.7
04:00 AM - 05:00 AM	47.8	70.9	43.8
05:00 AM - 06:00 AM	48.5	67.2	45.6
06:00 AM - 07:00 AM	50.1	76.4	44.4
07:00 AM - 08:00 AM	47.2	70.4	43.0
08:00 AM - 09:00 AM	48.0	75.3	42.1
09:00 AM - 10:00 AM	47.6	71.3	42.3
10:00 AM - 11:00 AM	48.6	70.7	42.1

Leq Average 24 hrs. (dB(A))

54.6

Lmax (dB(A))

94.2

L90 (dB(A))

43.0

Ldn (dB(A))

63.4

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:15AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591511-1

Page 1 of 1

Sample Number 2635080-25
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	46.7	69.7	42.2
12:00 PM - 01:00 PM	47.1	68.1	42.7
01:00 PM - 02:00 PM	46.6	68.0	42.3
02:00 PM - 03:00 PM	47.1	70.9	41.6
03:00 PM - 04:00 PM	46.7	69.4	42.1
04:00 PM - 05:00 PM	50.4	72.7	43.1
05:00 PM - 06:00 PM	48.6	72.6	43.1
06:00 PM - 07:00 PM	48.7	67.6	45.5
07:00 PM - 08:00 PM	46.7	61.8	45.5
08:00 PM - 09:00 PM	47.9	59.5	45.4
09:00 PM - 10:00 PM	49.9	68.7	45.5
10:00 PM - 11:00 PM	48.4	69.9	44.6
11:00 PM - 12:00 AM	53.6	86.6	43.8
12:00 AM - 01:00 AM	43.6	56.0	41.3
01:00 AM - 02:00 AM	45.0	57.8	43.2
02:00 AM - 03:00 AM	45.5	55.7	42.6
03:00 AM - 04:00 AM	44.8	56.2	41.6
04:00 AM - 05:00 AM	45.4	65.0	42.5
05:00 AM - 06:00 AM	50.1	74.8	44.8
06:00 AM - 07:00 AM	52.5	78.7	43.6
07:00 AM - 08:00 AM	50.6	78.2	42.6
08:00 AM - 09:00 AM	49.6	76.1	40.9
09:00 AM - 10:00 AM	46.0	68.6	41.4
10:00 AM - 11:00 AM	48.1	75.1	41.7

Leq Average 24 hrs. (dB(A))

48.6

Lmax (dB(A))

86.6

L90 (dB(A))

42.6

Ldn (dB(A))

55.4

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:15AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591512-1

Page 1 of 1

Sample Number 2635080-26
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	46.0	69.3	41.2
12:00 PM - 01:00 PM	48.1	72.1	43.4
01:00 PM - 02:00 PM	50.4	74.1	42.7
02:00 PM - 03:00 PM	50.1	77.6	42.2
03:00 PM - 04:00 PM	47.0	67.6	42.3
04:00 PM - 05:00 PM	48.6	75.8	41.3
05:00 PM - 06:00 PM	51.3	77.2	41.9
06:00 PM - 07:00 PM	48.8	74.2	45.3
07:00 PM - 08:00 PM	49.1	73.9	45.3
08:00 PM - 09:00 PM	47.7	69.3	44.8
09:00 PM - 10:00 PM	47.1	69.0	44.5
10:00 PM - 11:00 PM	47.9	70.1	43.7
11:00 PM - 12:00 AM	46.9	53.8	44.2
12:00 AM - 01:00 AM	47.2	53.7	44.7
01:00 AM - 02:00 AM	44.3	52.8	42.4
02:00 AM - 03:00 AM	44.2	71.5	41.3
03:00 AM - 04:00 AM	43.6	52.3	42.3
04:00 AM - 05:00 AM	44.6	69.3	42.1
05:00 AM - 06:00 AM	48.9	74.7	43.8
06:00 AM - 07:00 AM	51.5	75.9	43.7
07:00 AM - 08:00 AM	50.9	78.3	40.6
08:00 AM - 09:00 AM	47.3	72.0	39.8
09:00 AM - 10:00 AM	47.8	73.9	39.3
10:00 AM - 11:00 AM	46.3	71.6	41.0

Leq Average 24 hrs. (dB(A))

48.3

Lmax (dB(A))

78.3

L90 (dB(A))

42.3

Ldn (dB(A))

54.0

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supt Salamteh
Section Head

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RIGHT SOLUTIONS RIGHT PARTNER

354-212/ EMAIL

S:\Reports_Air Noise.rpt (11:15AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591513-1

Page 1 of 1

Sample Number 2635080-27
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	46.4	75.5	42.2
12:00 PM - 01:00 PM	48.2	72.6	41.3
01:00 PM - 02:00 PM	46.4	70.3	40.6
02:00 PM - 03:00 PM	46.1	76.2	41.0
03:00 PM - 04:00 PM	48.6	76.5	41.8
04:00 PM - 05:00 PM	49.5	77.5	42.5
05:00 PM - 06:00 PM	49.3	72.7	43.8
06:00 PM - 07:00 PM	46.9	67.9	43.6
07:00 PM - 08:00 PM	46.5	72.1	43.7
08:00 PM - 09:00 PM	45.7	65.3	43.5
09:00 PM - 10:00 PM	46.5	70.7	43.2
10:00 PM - 11:00 PM	45.3	59.1	43.6
11:00 PM - 12:00 AM	45.8	67.1	43.2
12:00 AM - 01:00 AM	44.4	58.3	41.9
01:00 AM - 02:00 AM	46.6	69.3	40.7
02:00 AM - 03:00 AM	43.8	59.1	40.8
03:00 AM - 04:00 AM	42.9	52.8	40.8
04:00 AM - 05:00 AM	45.3	63.0	43.3
05:00 AM - 06:00 AM	49.3	73.6	45.8
06:00 AM - 07:00 AM	50.5	80.6	43.8
07:00 AM - 08:00 AM	48.2	79.6	41.9
08:00 AM - 09:00 AM	47.9	74.4	41.3
09:00 AM - 10:00 AM	47.3	72.5	40.4
10:00 AM - 11:00 AM	47.2	77.2	41.1

Leq Average 24 hrs. (dB(A))

47.2

Lmax (dB(A))

80.6

L90 (dB(A))

41.9

Ldn (dB(A))

53.2

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:16AM)



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglajok Rd.,, Nonglajok, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635080

Date Received : Jun 04, 2026

Date Reported : Jun 09, 2026

Report Number: 3591514-1

Page 1 of 1

Sample Number 2635080-28
Parameter Noise (Leq 24 hrs.)
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	46.4	67.9	42.2
12:00 PM - 01:00 PM	52.4	84.0	42.3
01:00 PM - 02:00 PM	49.0	73.0	42.8
02:00 PM - 03:00 PM	46.0	65.9	42.0
03:00 PM - 04:00 PM	47.8	73.1	41.0
04:00 PM - 05:00 PM	48.0	74.5	40.6
05:00 PM - 06:00 PM	47.9	75.7	41.2
06:00 PM - 07:00 PM	49.3	73.5	42.8
07:00 PM - 08:00 PM	47.1	69.2	43.5
08:00 PM - 09:00 PM	47.0	69.1	43.6
09:00 PM - 10:00 PM	47.4	69.3	43.3
10:00 PM - 11:00 PM	43.4	56.2	41.9
11:00 PM - 12:00 AM	43.4	55.1	42.2
12:00 AM - 01:00 AM	48.9	72.6	42.2
01:00 AM - 02:00 AM	43.8	67.5	42.2
02:00 AM - 03:00 AM	45.8	74.8	41.9
03:00 AM - 04:00 AM	43.0	53.3	41.0
04:00 AM - 05:00 AM	43.2	53.6	41.5
05:00 AM - 06:00 AM	48.4	76.0	44.6
06:00 AM - 07:00 AM	48.8	77.3	43.1
07:00 AM - 08:00 AM	48.0	72.0	41.0
08:00 AM - 09:00 AM	50.4	74.9	40.8
09:00 AM - 10:00 AM	46.6	73.5	38.1
10:00 AM - 11:00 AM	48.1	73.4	42.8

Leq Average 24 hrs. (dB(A))

47.7

Lmax (dB(A))

84.0

L90 (dB(A))

42.2

Ldn (dB(A))

52.9

Standard (dB(A))

70

115

Reference Method : ISO 1996-1 : 2016

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:16AM)

ระดับเสียง 5 นาที (Leq 5 min)



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588956-1

Page 1 of 3

Sample Number 2635082-1
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในชุมชนรอบโรงงาน (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 22, 2026 Time	Leq dB(A)	L90 dB(A)	May 22, 2026 Time	Leq dB(A)	L90 dB(A)	May 22, 2026 Time	Leq dB(A)	L90 dB(A)
09:00 AM - 09:05 AM	53.1	43.2	11:40 AM - 11:45 AM	43.4	40.3	02:20 PM - 02:25 PM	49.8	42.1
09:05 AM - 09:10 AM	44.4	41.7	11:45 AM - 11:50 AM	44.3	40.6	02:25 PM - 02:30 PM	49.2	45.2
09:10 AM - 09:15 AM	47.8	43.1	11:50 AM - 11:55 AM	47.9	42.4	02:30 PM - 02:35 PM	48.5	43.4
09:15 AM - 09:20 AM	49.0	43.5	11:55 AM - 12:00 PM	47.2	42.8	02:35 PM - 02:40 PM	47.1	43.4
09:20 AM - 09:25 AM	48.5	44.2	12:00 PM - 12:05 PM	46.3	41.8	02:40 PM - 02:45 PM	48.7	43.4
09:25 AM - 09:30 AM	48.8	43.7	12:05 PM - 12:10 PM	47.0	41.5	02:45 PM - 02:50 PM	50.8	47.0
09:30 AM - 09:35 AM	49.5	43.6	12:10 PM - 12:15 PM	45.7	42.7	02:50 PM - 02:55 PM	51.3	47.8
09:35 AM - 09:40 AM	46.8	43.8	12:15 PM - 12:20 PM	46.0	41.6	02:55 PM - 03:00 PM	51.2	46.0
09:40 AM - 09:45 AM	46.7	42.8	12:20 PM - 12:25 PM	44.1	41.5	03:00 PM - 03:05 PM	50.4	45.8
09:45 AM - 09:50 AM	44.7	41.5	12:25 PM - 12:30 PM	52.3	43.1	03:05 PM - 03:10 PM	49.6	45.9
09:50 AM - 09:55 AM	45.4	42.3	12:30 PM - 12:35 PM	47.8	45.8	03:10 PM - 03:15 PM	48.5	44.4
09:55 AM - 10:00 AM	47.7	43.6	12:35 PM - 12:40 PM	47.9	46.4	03:15 PM - 03:20 PM	49.9	44.6
10:00 AM - 10:05 AM	46.2	44.1	12:40 PM - 12:45 PM	47.3	45.1	03:20 PM - 03:25 PM	47.7	42.6
10:05 AM - 10:10 AM	46.6	43.8	12:45 PM - 12:50 PM	47.5	44.0	03:25 PM - 03:30 PM	52.5	42.6
10:10 AM - 10:15 AM	46.5	42.7	12:50 PM - 12:55 PM	47.5	44.2	03:30 PM - 03:35 PM	47.6	42.2
10:15 AM - 10:20 AM	46.6	42.4	12:55 PM - 01:00 PM	53.3	43.3	03:35 PM - 03:40 PM	47.7	42.0
10:20 AM - 10:25 AM	49.0	44.1	01:00 PM - 01:05 PM	46.6	42.8	03:40 PM - 03:45 PM	46.0	42.4
10:25 AM - 10:30 AM	49.6	43.8	01:05 PM - 01:10 PM	46.5	43.3	03:45 PM - 03:50 PM	44.0	41.4
10:30 AM - 10:35 AM	44.3	40.2	01:10 PM - 01:15 PM	46.0	42.6	03:50 PM - 03:55 PM	44.2	40.9
10:35 AM - 10:40 AM	44.6	39.5	01:15 PM - 01:20 PM	46.9	43.2	03:55 PM - 04:00 PM	47.5	42.1
10:40 AM - 10:45 AM	44.0	40.0	01:20 PM - 01:25 PM	50.2	42.7	04:00 PM - 04:05 PM	49.3	42.3
10:45 AM - 10:50 AM	43.0	39.1	01:25 PM - 01:30 PM	53.8	43.2	04:05 PM - 04:10 PM	51.7	43.1
10:50 AM - 10:55 AM	61.3	42.2	01:30 PM - 01:35 PM	48.5	42.8	04:10 PM - 04:15 PM	53.7	44.5
10:55 AM - 11:00 AM	44.8	40.7	01:35 PM - 01:40 PM	46.5	42.5	04:15 PM - 04:20 PM	49.0	43.3
11:00 AM - 11:05 AM	43.6	40.4	01:40 PM - 01:45 PM	51.4	42.6	04:20 PM - 04:25 PM	48.3	42.6
11:05 AM - 11:10 AM	45.0	40.4	01:45 PM - 01:50 PM	46.0	42.7	04:25 PM - 04:30 PM	48.8	43.1
11:10 AM - 11:15 AM	45.4	41.2	01:50 PM - 01:55 PM	44.5	42.5	04:30 PM - 04:35 PM	46.4	41.3
11:15 AM - 11:20 AM	45.8	41.8	01:55 PM - 02:00 PM	46.3	42.3	04:35 PM - 04:40 PM	45.4	43.4
11:20 AM - 11:25 AM	46.1	41.9	02:00 PM - 02:05 PM	46.2	42.3	04:40 PM - 04:45 PM	45.1	42.4
11:25 AM - 11:30 AM	43.3	40.2	02:05 PM - 02:10 PM	48.8	44.3	04:45 PM - 04:50 PM	47.9	42.7
11:30 AM - 11:35 AM	46.1	39.7	02:10 PM - 02:15 PM	49.8	46.5	04:50 PM - 04:55 PM	47.0	43.2
11:35 AM - 11:40 AM	48.0	42.7	02:15 PM - 02:20 PM	49.4	43.5	04:55 PM - 05:00 PM	48.2	42.9

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Approved by
Sarayuht Jittranoit
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588956-1

Page 2 of 3

Sample Number 2635082-1
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในชุมชนรอบโรงงาน (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 22, 2026 Time	Leq dB(A)	L90 dB(A)	May 22, 2026 Time	Leq dB(A)	L90 dB(A)	May 22 - May 23, 2026 Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	45.9	42.5	07:40 PM - 07:45 PM	52.0	43.6	10:20 PM - 10:25 PM	48.0	45.2
05:05 PM - 05:10 PM	46.2	42.3	07:45 PM - 07:50 PM	52.6	44.1	10:25 PM - 10:30 PM	47.5	45.5
05:10 PM - 05:15 PM	45.2	41.8	07:50 PM - 07:55 PM	49.6	43.0	10:30 PM - 10:35 PM	47.9	45.6
05:15 PM - 05:20 PM	44.3	40.7	07:55 PM - 08:00 PM	50.6	43.0	10:35 PM - 10:40 PM	47.8	45.1
05:20 PM - 05:25 PM	46.2	41.1	08:00 PM - 08:05 PM	47.5	42.2	10:40 PM - 10:45 PM	47.1	45.0
05:25 PM - 05:30 PM	45.8	41.5	08:05 PM - 08:10 PM	49.7	42.2	10:45 PM - 10:50 PM	47.6	45.1
05:30 PM - 05:35 PM	45.4	41.7	08:10 PM - 08:15 PM	50.7	43.5	10:50 PM - 10:55 PM	48.6	45.4
05:35 PM - 05:40 PM	44.6	40.4	08:15 PM - 08:20 PM	49.8	43.8	10:55 PM - 11:00 PM	47.8	45.1
05:40 PM - 05:45 PM	46.7	42.2	08:20 PM - 08:25 PM	49.7	42.8	11:00 PM - 11:05 PM	50.1	45.7
05:45 PM - 05:50 PM	46.6	42.4	08:25 PM - 08:30 PM	48.1	42.8	11:05 PM - 11:10 PM	47.0	45.4
05:50 PM - 05:55 PM	49.7	43.5	08:30 PM - 08:35 PM	48.5	42.1	11:10 PM - 11:15 PM	47.9	45.8
05:55 PM - 06:00 PM	49.3	42.9	08:35 PM - 08:40 PM	49.7	43.1	11:15 PM - 11:20 PM	48.6	45.9
06:00 PM - 06:05 PM	46.7	41.5	08:40 PM - 08:45 PM	51.4	43.6	11:20 PM - 11:25 PM	47.7	45.4
06:05 PM - 06:10 PM	46.6	40.8	08:45 PM - 08:50 PM	51.0	42.1	11:25 PM - 11:30 PM	47.2	45.5
06:10 PM - 06:15 PM	46.1	42.5	08:50 PM - 08:55 PM	44.0	41.1	11:30 PM - 11:35 PM	47.7	46.2
06:15 PM - 06:20 PM	44.6	43.0	08:55 PM - 09:00 PM	44.5	41.6	11:35 PM - 11:40 PM	47.9	46.1
06:20 PM - 06:25 PM	44.4	42.8	09:00 PM - 09:05 PM	45.1	41.2	11:40 PM - 11:45 PM	47.6	46.0
06:25 PM - 06:30 PM	45.9	42.3	09:05 PM - 09:10 PM	48.6	43.9	11:45 PM - 11:50 PM	47.8	45.9
06:30 PM - 06:35 PM	49.3	42.5	09:10 PM - 09:15 PM	51.5	42.0	11:50 PM - 11:55 PM	48.6	46.2
06:35 PM - 06:40 PM	51.2	43.2	09:15 PM - 09:20 PM	46.8	42.2	11:55 PM - 12:00 AM	50.0	46.1
06:40 PM - 06:45 PM	44.6	42.5	09:20 PM - 09:25 PM	47.3	42.9	12:00 AM - 12:05 AM	48.0	46.2
06:45 PM - 06:50 PM	46.9	42.8	09:25 PM - 09:30 PM	47.7	43.2	12:05 AM - 12:10 AM	48.4	46.0
06:50 PM - 06:55 PM	47.3	41.6	09:30 PM - 09:35 PM	47.0	42.1	12:10 AM - 12:15 AM	47.8	45.7
06:55 PM - 07:00 PM	46.5	42.2	09:35 PM - 09:40 PM	46.9	42.5	12:15 AM - 12:20 AM	47.3	45.3
07:00 PM - 07:05 PM	48.7	41.5	09:40 PM - 09:45 PM	47.5	42.3	12:20 AM - 12:25 AM	47.1	45.5
07:05 PM - 07:10 PM	48.3	41.3	09:45 PM - 09:50 PM	48.0	42.1	12:25 AM - 12:30 AM	47.7	46.0
07:10 PM - 07:15 PM	44.8	41.6	09:50 PM - 09:55 PM	47.7	42.4	12:30 AM - 12:35 AM	47.1	45.9
07:15 PM - 07:20 PM	47.9	42.6	09:55 PM - 10:00 PM	47.4	42.8	12:35 AM - 12:40 AM	46.9	45.6
07:20 PM - 07:25 PM	48.3	42.4	10:00 PM - 10:05 PM	47.2	42.4	12:40 AM - 12:45 AM	46.6	45.7
07:25 PM - 07:30 PM	49.3	43.6	10:05 PM - 10:10 PM	47.1	42.8	12:45 AM - 12:50 AM	46.6	45.7
07:30 PM - 07:35 PM	49.8	44.3	10:10 PM - 10:15 PM	54.4	43.8	12:50 AM - 12:55 AM	46.9	45.4
07:35 PM - 07:40 PM	51.5	43.4	10:15 PM - 10:20 PM	53.7	43.7	12:55 AM - 01:00 AM	46.9	45.5

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
Sarayuht Jittranoit
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588956-1

Page 3 of 3

Sample Number 2635082-1
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในชุมชนรอบโรงงาน (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 23, 2026			May 23, 2026			May 23, 2026		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
01:00 AM - 01:05 AM	47.7	45.6	03:40 AM - 03:45 AM	45.1	43.9	06:20 AM - 06:25 AM	47.8	44.7
01:05 AM - 01:10 AM	46.8	45.5	03:45 AM - 03:50 AM	46.3	43.9	06:25 AM - 06:30 AM	49.1	44.9
01:10 AM - 01:15 AM	46.0	45.2	03:50 AM - 03:55 AM	45.3	43.9	06:30 AM - 06:35 AM	51.1	45.6
01:15 AM - 01:20 AM	46.7	45.4	03:55 AM - 04:00 AM	48.4	44.2	06:35 AM - 06:40 AM	47.8	45.6
01:20 AM - 01:25 AM	46.6	45.3	04:00 AM - 04:05 AM	45.7	44.3	06:40 AM - 06:45 AM	47.8	45.3
01:25 AM - 01:30 AM	46.2	45.3	04:05 AM - 04:10 AM	46.4	44.4	06:45 AM - 06:50 AM	49.2	46.0
01:30 AM - 01:35 AM	46.2	45.2	04:10 AM - 04:15 AM	46.4	44.3	06:50 AM - 06:55 AM	48.7	44.2
01:35 AM - 01:40 AM	46.5	45.0	04:15 AM - 04:20 AM	51.0	43.9	06:55 AM - 07:00 AM	47.7	43.5
01:40 AM - 01:45 AM	45.9	45.1	04:20 AM - 04:25 AM	45.7	44.0	07:00 AM - 07:05 AM	47.1	43.5
01:45 AM - 01:50 AM	49.2	45.2	04:25 AM - 04:30 AM	55.7	45.0	07:05 AM - 07:10 AM	48.4	44.6
01:50 AM - 01:55 AM	52.1	44.6	04:30 AM - 04:35 AM	48.0	45.8	07:10 AM - 07:15 AM	48.4	43.5
01:55 AM - 02:00 AM	47.1	44.8	04:35 AM - 04:40 AM	47.0	41.1	07:15 AM - 07:20 AM	47.6	43.9
02:00 AM - 02:05 AM	45.8	44.5	04:40 AM - 04:45 AM	51.5	44.0	07:20 AM - 07:25 AM	50.0	44.1
02:05 AM - 02:10 AM	45.7	44.5	04:45 AM - 04:50 AM	51.7	46.2	07:25 AM - 07:30 AM	48.0	44.1
02:10 AM - 02:15 AM	46.3	44.9	04:50 AM - 04:55 AM	49.9	45.4	07:30 AM - 07:35 AM	48.4	44.8
02:15 AM - 02:20 AM	45.4	44.3	04:55 AM - 05:00 AM	49.1	43.3	07:35 AM - 07:40 AM	47.4	43.1
02:20 AM - 02:25 AM	46.0	44.8	05:00 AM - 05:05 AM	48.8	45.7	07:40 AM - 07:45 AM	50.7	43.4
02:25 AM - 02:30 AM	45.5	44.5	05:05 AM - 05:10 AM	46.9	45.1	07:45 AM - 07:50 AM	46.5	43.5
02:30 AM - 02:35 AM	46.4	44.3	05:10 AM - 05:15 AM	47.2	45.7	07:50 AM - 07:55 AM	47.7	43.0
02:35 AM - 02:40 AM	47.8	44.9	05:15 AM - 05:20 AM	48.8	46.5	07:55 AM - 08:00 AM	47.9	44.3
02:40 AM - 02:45 AM	45.9	44.6	05:20 AM - 05:25 AM	49.3	45.3	08:00 AM - 08:05 AM	46.2	43.5
02:45 AM - 02:50 AM	46.1	44.7	05:25 AM - 05:30 AM	47.9	42.8	08:05 AM - 08:10 AM	48.6	44.7
02:50 AM - 02:55 AM	46.2	44.9	05:30 AM - 05:35 AM	49.1	44.5	08:10 AM - 08:15 AM	48.6	43.5
02:55 AM - 03:00 AM	46.5	44.6	05:35 AM - 05:40 AM	47.7	42.6	08:15 AM - 08:20 AM	49.4	44.1
03:00 AM - 03:05 AM	45.5	44.3	05:40 AM - 05:45 AM	53.2	43.6	08:20 AM - 08:25 AM	46.2	42.7
03:05 AM - 03:10 AM	47.2	45.1	05:45 AM - 05:50 AM	47.9	42.8	08:25 AM - 08:30 AM	49.5	43.6
03:10 AM - 03:15 AM	45.6	44.3	05:50 AM - 05:55 AM	46.2	43.1	08:30 AM - 08:35 AM	54.9	41.8
03:15 AM - 03:20 AM	45.9	44.4	05:55 AM - 06:00 AM	46.4	43.4	08:35 AM - 08:40 AM	46.2	42.4
03:20 AM - 03:25 AM	45.5	44.2	06:00 AM - 06:05 AM	50.3	44.6	08:40 AM - 08:45 AM	45.5	43.5
03:25 AM - 03:30 AM	45.0	44.0	06:05 AM - 06:10 AM	48.0	44.3	08:45 AM - 08:50 AM	46.8	42.9
03:30 AM - 03:35 AM	45.4	44.2	06:10 AM - 06:15 AM	49.9	43.6	08:50 AM - 08:55 AM	47.1	44.3
03:35 AM - 03:40 AM	45.5	44.1	06:15 AM - 06:20 AM	49.4	45.0	08:55 AM - 09:00 AM	54.7	43.9



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588957-1

Page 2 of 3

Sample Number 2635082-2
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในเขตชุมชนโรงงาน (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 23, 2026	Leq	L90	May 23, 2026	Leq	L90	May 23 - May 24, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	62.9	41.8	07:40 PM - 07:45 PM	47.7	42.1	10:20 PM - 10:25 PM	46.3	44.9
05:05 PM - 05:10 PM	59.8	42.1	07:45 PM - 07:50 PM	47.6	42.6	10:25 PM - 10:30 PM	45.5	44.6
05:10 PM - 05:15 PM	50.7	41.7	07:50 PM - 07:55 PM	47.0	41.6	10:30 PM - 10:35 PM	45.5	44.7
05:15 PM - 05:20 PM	48.6	42.5	07:55 PM - 08:00 PM	48.0	41.6	10:35 PM - 10:40 PM	45.4	44.5
05:20 PM - 05:25 PM	48.9	41.2	08:00 PM - 08:05 PM	47.3	42.5	10:40 PM - 10:45 PM	46.4	44.9
05:25 PM - 05:30 PM	48.7	40.5	08:05 PM - 08:10 PM	48.6	41.9	10:45 PM - 10:50 PM	46.7	44.7
05:30 PM - 05:35 PM	44.4	40.7	08:10 PM - 08:15 PM	45.9	42.0	10:50 PM - 10:55 PM	45.8	44.4
05:35 PM - 05:40 PM	43.8	40.5	08:15 PM - 08:20 PM	48.0	42.0	10:55 PM - 11:00 PM	46.0	44.4
05:40 PM - 05:45 PM	46.9	40.0	08:20 PM - 08:25 PM	44.8	41.7	11:00 PM - 11:05 PM	45.2	44.4
05:45 PM - 05:50 PM	46.1	42.8	08:25 PM - 08:30 PM	44.7	41.7	11:05 PM - 11:10 PM	45.3	44.4
05:50 PM - 05:55 PM	51.7	44.8	08:30 PM - 08:35 PM	46.5	41.9	11:10 PM - 11:15 PM	46.1	44.7
05:55 PM - 06:00 PM	47.8	41.4	08:35 PM - 08:40 PM	45.0	41.9	11:15 PM - 11:20 PM	46.2	45.4
06:00 PM - 06:05 PM	47.8	41.9	08:40 PM - 08:45 PM	44.7	41.6	11:20 PM - 11:25 PM	48.3	45.6
06:05 PM - 06:10 PM	49.5	43.6	08:45 PM - 08:50 PM	45.5	42.3	11:25 PM - 11:30 PM	46.7	45.5
06:10 PM - 06:15 PM	48.7	44.2	08:50 PM - 08:55 PM	45.0	41.8	11:30 PM - 11:35 PM	46.7	45.3
06:15 PM - 06:20 PM	48.3	44.9	08:55 PM - 09:00 PM	43.5	41.9	11:35 PM - 11:40 PM	46.1	45.4
06:20 PM - 06:25 PM	48.7	44.2	09:00 PM - 09:05 PM	46.0	41.3	11:40 PM - 11:45 PM	45.6	44.6
06:25 PM - 06:30 PM	48.5	44.5	09:05 PM - 09:10 PM	45.5	42.0	11:45 PM - 11:50 PM	45.5	44.6
06:30 PM - 06:35 PM	48.4	43.8	09:10 PM - 09:15 PM	45.6	41.9	11:50 PM - 11:55 PM	46.1	45.1
06:35 PM - 06:40 PM	47.2	43.6	09:15 PM - 09:20 PM	47.7	45.2	11:55 PM - 12:00 AM	45.6	44.7
06:40 PM - 06:45 PM	47.0	43.2	09:20 PM - 09:25 PM	47.2	45.4	12:00 AM - 12:05 AM	45.7	44.8
06:45 PM - 06:50 PM	49.6	43.0	09:25 PM - 09:30 PM	49.2	45.1	12:05 AM - 12:10 AM	45.8	44.5
06:50 PM - 06:55 PM	48.7	42.6	09:30 PM - 09:35 PM	47.7	44.7	12:10 AM - 12:15 AM	45.0	44.1
06:55 PM - 07:00 PM	50.0	43.1	09:35 PM - 09:40 PM	47.4	44.7	12:15 AM - 12:20 AM	44.5	43.6
07:00 PM - 07:05 PM	49.8	42.8	09:40 PM - 09:45 PM	48.0	45.0	12:20 AM - 12:25 AM	46.2	44.3
07:05 PM - 07:10 PM	48.1	42.7	09:45 PM - 09:50 PM	46.6	44.7	12:25 AM - 12:30 AM	45.8	44.1
07:10 PM - 07:15 PM	47.0	42.6	09:50 PM - 09:55 PM	47.4	44.8	12:30 AM - 12:35 AM	44.9	43.8
07:15 PM - 07:20 PM	49.9	42.9	09:55 PM - 10:00 PM	46.9	45.0	12:35 AM - 12:40 AM	45.1	43.8
07:20 PM - 07:25 PM	49.9	43.2	10:00 PM - 10:05 PM	46.3	44.8	12:40 AM - 12:45 AM	45.1	43.8
07:25 PM - 07:30 PM	49.2	43.6	10:05 PM - 10:10 PM	45.9	44.6	12:45 AM - 12:50 AM	44.9	44.1
07:30 PM - 07:35 PM	47.2	42.5	10:10 PM - 10:15 PM	45.4	44.8	12:50 AM - 12:55 AM	45.8	44.2
07:35 PM - 07:40 PM	47.2	42.4	10:15 PM - 10:20 PM	45.4	44.6	12:55 AM - 01:00 AM	45.0	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 Jittrarat
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588957-1

Page 3 of 3

Sample Number 2635082-2
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในเขตชุมชนโรงงาน (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 24, 2026	Leq	L90	May 24, 2026	Leq	L90	May 24, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	46.4	44.2	03:40 AM - 03:45 AM	46.0	44.7	06:20 AM - 06:25 AM	49.4	46.9
01:05 AM - 01:10 AM	44.6	43.8	03:45 AM - 03:50 AM	46.1	44.6	06:25 AM - 06:30 AM	50.0	46.7
01:10 AM - 01:15 AM	45.0	44.3	03:50 AM - 03:55 AM	46.0	44.5	06:30 AM - 06:35 AM	50.0	46.6
01:15 AM - 01:20 AM	47.4	44.1	03:55 AM - 04:00 AM	45.9	44.7	06:35 AM - 06:40 AM	48.2	46.4
01:20 AM - 01:25 AM	49.7	43.8	04:00 AM - 04:05 AM	46.8	45.7	06:40 AM - 06:45 AM	51.2	47.2
01:25 AM - 01:30 AM	45.6	43.3	04:05 AM - 04:10 AM	46.2	45.3	06:45 AM - 06:50 AM	50.7	47.0
01:30 AM - 01:35 AM	45.3	44.0	04:10 AM - 04:15 AM	47.1	46.0	06:50 AM - 06:55 AM	51.2	44.7
01:35 AM - 01:40 AM	47.0	43.9	04:15 AM - 04:20 AM	51.4	45.8	06:55 AM - 07:00 AM	48.1	45.1
01:40 AM - 01:45 AM	44.4	43.0	04:20 AM - 04:25 AM	48.8	46.2	07:00 AM - 07:05 AM	51.4	45.0
01:45 AM - 01:50 AM	45.3	43.3	04:25 AM - 04:30 AM	53.1	46.3	07:05 AM - 07:10 AM	53.3	46.6
01:50 AM - 01:55 AM	44.7	43.4	04:30 AM - 04:35 AM	48.4	46.3	07:10 AM - 07:15 AM	53.4	46.4
01:55 AM - 02:00 AM	52.8	44.2	04:35 AM - 04:40 AM	51.5	47.8	07:15 AM - 07:20 AM	51.6	45.7
02:00 AM - 02:05 AM	51.1	45.1	04:40 AM - 04:45 AM	51.7	44.5	07:20 AM - 07:25 AM	50.0	46.1
02:05 AM - 02:10 AM	48.7	44.3	04:45 AM - 04:50 AM	52.9	45.2	07:25 AM - 07:30 AM	50.1	45.5
02:10 AM - 02:15 AM	44.9	44.0	04:50 AM - 04:55 AM	50.3	45.3	07:30 AM - 07:35 AM	49.1	45.2
02:15 AM - 02:20 AM	45.6	44.0	04:55 AM - 05:00 AM	50.0	45.9	07:35 AM - 07:40 AM	53.0	45.9
02:20 AM - 02:25 AM	45.1	43.8	05:00 AM - 05:05 AM	48.6	45.8	07:40 AM - 07:45 AM	53.7	43.4
02:25 AM - 02:30 AM	47.3	43.7	05:05 AM - 05:10 AM	54.1	47.1	07:45 AM - 07:50 AM	51.0	42.2
02:30 AM - 02:35 AM	45.5	44.5	05:10 AM - 05:15 AM	48.8	46.2	07:50 AM - 07:55 AM	50.3	39.6
02:35 AM - 02:40 AM	46.3	44.8	05:15 AM - 05:20 AM	49.8	45.9	07:55 AM - 08:00 AM	48.5	40.7
02:40 AM - 02:45 AM	46.7	44.7	05:20 AM - 05:25 AM	47.8	45.7	08:00 AM - 08:05 AM	48.8	41.0
02:45 AM - 02:50 AM	45.8	44.3	05:25 AM - 05:30 AM	49.1	46.5	08:05 AM - 08:10 AM	49.7	41.3
02:50 AM - 02:55 AM	48.8	43.3	05:30 AM - 05:35 AM	51.3	46.3	08:10 AM - 08:15 AM	47.3	39.8
02:55 AM - 03:00 AM	44.8	43.5	05:35 AM - 05:40 AM	49.4	45.8	08:15 AM - 08:20 AM	49.1	41.0
03:00 AM - 03:05 AM	46.4	44.0	05:40 AM - 05:45 AM	55.4	45.9	08:20 AM - 08:25 AM	47.1	41.4
03:05 AM - 03:10 AM	45.4	43.6	05:45 AM - 05:50 AM	52.9	46.9	08:25 AM - 08:30 AM	50.3	42.9
03:10 AM - 03:15 AM	46.2	44.5	05:50 AM - 05:55 AM	59.8	47.2	08:30 AM - 08:35 AM	44.7	37.9
03:15 AM - 03:20 AM	47.1	45.0	05:55 AM - 06:00 AM	63.0	46.4	08:35 AM - 08:40 AM	49.9	41.2
03:20 AM - 03:25 AM	46.3	44.5	06:00 AM - 06:05 AM	54.3	46.0	08:40 AM - 08:45 AM	47.2	45.3
03:25 AM - 03:30 AM	45.1	44.2	06:05 AM - 06:10 AM	59.0	45.4	08:45 AM - 08:50 AM	47.7	45.3
03:30 AM - 03:35 AM	45.5	44.2	06:10 AM - 06:15 AM	54.5	46.2	08:50 AM - 08:55 AM	51.5	45.7
03:35 AM - 03:40 AM	46.3	44.9	06:15 AM - 06:20 AM	49.2	46.7	08:55 AM - 09:00 AM	52.7	44.7

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Approved by

Sarayuth Jittrarat
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588958-1

Page 1 of 3

Sample Number 2635082-3
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในเขตชุมชนโรงงาน (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 24, 2026			May 24, 2026			May 24, 2026		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
09:00 AM - 09:05 AM	49.0	40.3	11:40 AM - 11:45 AM	43.1	38.6	02:20 PM - 02:25 PM	46.4	44.8
09:05 AM - 09:10 AM	42.5	39.7	11:45 AM - 11:50 AM	44.8	39.4	02:25 PM - 02:30 PM	47.5	45.2
09:10 AM - 09:15 AM	55.3	41.4	11:50 AM - 11:55 AM	42.7	38.7	02:30 PM - 02:35 PM	46.7	45.1
09:15 AM - 09:20 AM	53.1	46.6	11:55 AM - 12:00 PM	48.7	39.0	02:35 PM - 02:40 PM	46.6	45.2
09:20 AM - 09:25 AM	48.7	46.5	12:00 PM - 12:05 PM	47.8	40.1	02:40 PM - 02:45 PM	46.1	44.6
09:25 AM - 09:30 AM	50.6	46.4	12:05 PM - 12:10 PM	46.2	39.0	02:45 PM - 02:50 PM	51.9	42.1
09:30 AM - 09:35 AM	49.9	46.5	12:10 PM - 12:15 PM	41.6	38.5	02:50 PM - 02:55 PM	44.0	40.5
09:35 AM - 09:40 AM	49.4	46.6	12:15 PM - 12:20 PM	45.2	39.3	02:55 PM - 03:00 PM	44.0	40.4
09:40 AM - 09:45 AM	51.6	45.2	12:20 PM - 12:25 PM	46.5	43.7	03:00 PM - 03:05 PM	47.9	40.4
09:45 AM - 09:50 AM	50.1	44.6	12:25 PM - 12:30 PM	45.5	44.2	03:05 PM - 03:10 PM	48.6	40.8
09:50 AM - 09:55 AM	49.5	43.7	12:30 PM - 12:35 PM	46.0	44.3	03:10 PM - 03:15 PM	45.9	44.0
09:55 AM - 10:00 AM	52.8	44.7	12:35 PM - 12:40 PM	47.1	42.9	03:15 PM - 03:20 PM	46.4	44.3
10:00 AM - 10:05 AM	48.4	44.3	12:40 PM - 12:45 PM	44.8	39.0	03:20 PM - 03:25 PM	46.2	44.2
10:05 AM - 10:10 AM	48.3	46.0	12:45 PM - 12:50 PM	42.7	39.5	03:25 PM - 03:30 PM	48.1	43.7
10:10 AM - 10:15 AM	48.2	46.3	12:50 PM - 12:55 PM	44.7	39.7	03:30 PM - 03:35 PM	48.9	43.9
10:15 AM - 10:20 AM	54.0	46.6	12:55 PM - 01:00 PM	44.0	39.6	03:35 PM - 03:40 PM	49.7	40.5
10:20 AM - 10:25 AM	47.5	45.4	01:00 PM - 01:05 PM	46.0	43.7	03:40 PM - 03:45 PM	50.7	40.0
10:25 AM - 10:30 AM	53.8	47.1	01:05 PM - 01:10 PM	46.6	44.0	03:45 PM - 03:50 PM	45.7	41.5
10:30 AM - 10:35 AM	46.7	44.9	01:10 PM - 01:15 PM	46.0	43.8	03:50 PM - 03:55 PM	49.7	41.9
10:35 AM - 10:40 AM	52.7	45.3	01:15 PM - 01:20 PM	55.6	43.9	03:55 PM - 04:00 PM	47.7	44.4
10:40 AM - 10:45 AM	51.4	45.5	01:20 PM - 01:25 PM	51.8	45.4	04:00 PM - 04:05 PM	46.9	43.9
10:45 AM - 10:50 AM	45.9	43.6	01:25 PM - 01:30 PM	49.1	46.4	04:05 PM - 04:10 PM	49.0	41.9
10:50 AM - 10:55 AM	46.6	43.7	01:30 PM - 01:35 PM	48.8	45.9	04:10 PM - 04:15 PM	48.0	43.9
10:55 AM - 11:00 AM	44.5	42.9	01:35 PM - 01:40 PM	47.3	45.4	04:15 PM - 04:20 PM	49.6	44.1
11:00 AM - 11:05 AM	46.2	43.7	01:40 PM - 01:45 PM	49.8	45.6	04:20 PM - 04:25 PM	49.6	44.7
11:05 AM - 11:10 AM	47.0	44.0	01:45 PM - 01:50 PM	47.6	45.0	04:25 PM - 04:30 PM	50.9	45.0
11:10 AM - 11:15 AM	47.6	42.3	01:50 PM - 01:55 PM	45.6	42.3	04:30 PM - 04:35 PM	47.7	43.2
11:15 AM - 11:20 AM	47.3	42.3	01:55 PM - 02:00 PM	47.1	42.3	04:35 PM - 04:40 PM	50.7	43.4
11:20 AM - 11:25 AM	47.6	43.6	02:00 PM - 02:05 PM	45.1	42.2	04:40 PM - 04:45 PM	46.2	42.2
11:25 AM - 11:30 AM	49.3	42.1	02:05 PM - 02:10 PM	47.9	44.3	04:45 PM - 04:50 PM	45.4	41.3
11:30 AM - 11:35 AM	49.3	42.3	02:10 PM - 02:15 PM	52.4	44.6	04:50 PM - 04:55 PM	44.7	41.4
11:35 AM - 11:40 AM	49.0	42.3	02:15 PM - 02:20 PM	46.7	42.1	04:55 PM - 05:00 PM	45.2	41.7



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588959-1

Page 3 of 3

Sample Number 2635082-3
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpavit Suwanarat
Sound level meter Serial No. 1120938

May 25, 2026	Leq	L90	May 25, 2026	Leq	L90	May 25, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	66.8	64.1	03:40 AM - 03:45 AM	46.7	44.3	06:20 AM - 06:25 AM	52.3	48.7
01:05 AM - 01:10 AM	69.4	64.3	03:45 AM - 03:50 AM	46.8	45.1	06:25 AM - 06:30 AM	51.5	48.4
01:10 AM - 01:15 AM	69.7	63.1	03:50 AM - 03:55 AM	46.2	44.6	06:30 AM - 06:35 AM	52.1	49.1
01:15 AM - 01:20 AM	59.9	56.7	03:55 AM - 04:00 AM	46.1	44.7	06:35 AM - 06:40 AM	51.3	49.0
01:20 AM - 01:25 AM	56.6	54.2	04:00 AM - 04:05 AM	46.0	44.6	06:40 AM - 06:45 AM	51.5	48.8
01:25 AM - 01:30 AM	55.1	48.9	04:05 AM - 04:10 AM	46.8	45.1	06:45 AM - 06:50 AM	51.7	48.0
01:30 AM - 01:35 AM	56.6	47.8	04:10 AM - 04:15 AM	47.3	45.2	06:50 AM - 06:55 AM	51.8	47.3
01:35 AM - 01:40 AM	69.2	56.0	04:15 AM - 04:20 AM	47.9	46.3	06:55 AM - 07:00 AM	49.6	47.0
01:40 AM - 01:45 AM	69.7	56.5	04:20 AM - 04:25 AM	50.5	47.1	07:00 AM - 07:05 AM	45.4	47.3
01:45 AM - 01:50 AM	69.3	56.1	04:25 AM - 04:30 AM	49.2	47.8	07:05 AM - 07:10 AM	49.6	46.2
01:50 AM - 01:55 AM	68.7	55.5	04:30 AM - 04:35 AM	51.7	48.3	07:10 AM - 07:15 AM	50.7	46.3
01:55 AM - 02:00 AM	69.2	64.1	04:35 AM - 04:40 AM	51.7	49.8	07:15 AM - 07:20 AM	47.7	44.2
02:00 AM - 02:05 AM	68.5	66.3	04:40 AM - 04:45 AM	51.1	49.7	07:20 AM - 07:25 AM	47.1	43.5
02:05 AM - 02:10 AM	67.5	65.3	04:45 AM - 04:50 AM	48.7	46.2	07:25 AM - 07:30 AM	47.1	43.1
02:10 AM - 02:15 AM	64.5	61.6	04:50 AM - 04:55 AM	52.0	45.6	07:30 AM - 07:35 AM	45.0	41.3
02:15 AM - 02:20 AM	58.0	54.9	04:55 AM - 05:00 AM	48.3	46.4	07:35 AM - 07:40 AM	45.6	42.7
02:20 AM - 02:25 AM	56.7	52.6	05:00 AM - 05:05 AM	48.9	46.4	07:40 AM - 07:45 AM	45.6	41.9
02:25 AM - 02:30 AM	55.2	53.2	05:05 AM - 05:10 AM	49.2	46.5	07:45 AM - 07:50 AM	45.1	41.7
02:30 AM - 02:35 AM	53.4	50.7	05:10 AM - 05:15 AM	49.0	47.3	07:50 AM - 07:55 AM	45.1	41.6
02:35 AM - 02:40 AM	50.6	47.9	05:15 AM - 05:20 AM	47.8	46.3	07:55 AM - 08:00 AM	43.9	40.5
02:40 AM - 02:45 AM	50.7	46.9	05:20 AM - 05:25 AM	49.9	46.1	08:00 AM - 08:05 AM	52.5	43.0
02:45 AM - 02:50 AM	50.6	46.9	05:25 AM - 05:30 AM	52.1	46.0	08:05 AM - 08:10 AM	54.7	47.9
02:50 AM - 02:55 AM	48.8	46.8	05:30 AM - 05:35 AM	56.7	47.6	08:10 AM - 08:15 AM	45.5	41.7
02:55 AM - 03:00 AM	48.1	46.2	05:35 AM - 05:40 AM	50.9	48.9	08:15 AM - 08:20 AM	45.4	41.1
03:00 AM - 03:05 AM	47.6	45.2	05:40 AM - 05:45 AM	50.7	48.1	08:20 AM - 08:25 AM	55.0	53.8
03:05 AM - 03:10 AM	46.6	44.7	05:45 AM - 05:50 AM	51.2	49.4	08:25 AM - 08:30 AM	55.4	54.7
03:10 AM - 03:15 AM	45.8	44.3	05:50 AM - 05:55 AM	50.7	49.0	08:30 AM - 08:35 AM	55.4	54.5
03:15 AM - 03:20 AM	45.5	43.8	05:55 AM - 06:00 AM	51.9	49.1	08:35 AM - 08:40 AM	55.8	54.8
03:20 AM - 03:25 AM	46.7	44.6	06:00 AM - 06:05 AM	50.9	48.6	08:40 AM - 08:45 AM	56.0	54.6
03:25 AM - 03:30 AM	45.9	44.3	06:05 AM - 06:10 AM	51.3	48.8	08:45 AM - 08:50 AM	56.2	54.8
03:30 AM - 03:35 AM	46.6	44.5	06:10 AM - 06:15 AM	57.4	48.5	08:50 AM - 08:55 AM	57.4	54.7
03:35 AM - 03:40 AM	45.8	44.4	06:15 AM - 06:20 AM	51.8	49.0	08:55 AM - 09:00 AM	50.3	40.9

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

Sarayuht Jittrantorn
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588959-1

Page 1 of 3

Sample Number 2635082-4
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpavit Suwanarat
Sound level meter Serial No. 1120938

May 25, 2026	Leq	L90	May 25, 2026	Leq	L90	May 25, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	46.9	42.7	11:40 AM - 11:45 AM	49.7	42.0	02:20 PM - 02:25 PM	49.6	40.8
09:05 AM - 09:10 AM	45.2	41.0	11:45 AM - 11:50 AM	45.2	40.1	02:25 PM - 02:30 PM	46.3	39.5
09:10 AM - 09:15 AM	48.7	42.5	11:50 AM - 11:55 AM	43.3	39.4	02:30 PM - 02:35 PM	43.3	39.8
09:15 AM - 09:20 AM	45.2	42.6	11:55 AM - 12:00 PM	48.4	40.6	02:35 PM - 02:40 PM	44.9	40.2
09:20 AM - 09:25 AM	44.2	41.5	12:00 PM - 12:05 PM	45.5	41.3	02:40 PM - 02:45 PM	45.4	41.1
09:25 AM - 09:30 AM	43.4	40.8	12:05 PM - 12:10 PM	44.5	39.8	02:45 PM - 02:50 PM	45.0	40.0
09:30 AM - 09:35 AM	44.0	40.3	12:10 PM - 12:15 PM	44.7	41.0	02:50 PM - 02:55 PM	41.6	39.3
09:35 AM - 09:40 AM	45.6	40.7	12:15 PM - 12:20 PM	43.2	38.8	02:55 PM - 03:00 PM	45.1	39.4
09:40 AM - 09:45 AM	50.4	40.6	12:20 PM - 12:25 PM	42.6	38.9	03:00 PM - 03:05 PM	46.5	40.2
09:45 AM - 09:50 AM	55.4	53.9	12:25 PM - 12:30 PM	52.1	39.9	03:05 PM - 03:10 PM	44.6	41.0
09:50 AM - 09:55 AM	55.7	54.4	12:30 PM - 12:35 PM	42.4	39.3	03:10 PM - 03:15 PM	47.1	41.7
09:55 AM - 10:00 AM	48.1	40.5	12:35 PM - 12:40 PM	46.5	39.5	03:15 PM - 03:20 PM	48.1	41.3
10:00 AM - 10:05 AM	47.5	40.5	12:40 PM - 12:45 PM	44.1	40.5	03:20 PM - 03:25 PM	44.7	40.1
10:05 AM - 10:10 AM	54.0	43.0	12:45 PM - 12:50 PM	44.7	40.3	03:25 PM - 03:30 PM	44.7	41.1
10:10 AM - 10:15 AM	60.8	48.6	12:50 PM - 12:55 PM	43.1	40.8	03:30 PM - 03:35 PM	44.2	40.6
10:15 AM - 10:20 AM	54.6	47.3	12:55 PM - 01:00 PM	43.9	40.2	03:35 PM - 03:40 PM	43.8	40.9
10:20 AM - 10:25 AM	56.1	54.1	01:00 PM - 01:05 PM	48.8	44.0	03:40 PM - 03:45 PM	47.3	42.9
10:25 AM - 10:30 AM	55.6	54.1	01:05 PM - 01:10 PM	48.0	41.9	03:45 PM - 03:50 PM	44.3	41.0
10:30 AM - 10:35 AM	55.4	54.1	01:10 PM - 01:15 PM	48.1	45.1	03:50 PM - 03:55 PM	47.0	42.0
10:35 AM - 10:40 AM	55.3	54.3	01:15 PM - 01:20 PM	47.7	44.9	03:55 PM - 04:00 PM	47.0	41.6
10:40 AM - 10:45 AM	45.3	39.2	01:20 PM - 01:25 PM	47.4	45.3	04:00 PM - 04:05 PM	51.2	43.4
10:45 AM - 10:50 AM	43.9	39.7	01:25 PM - 01:30 PM	45.2	42.6	04:05 PM - 04:10 PM	47.6	42.9
10:50 AM - 10:55 AM	45.4	41.3	01:30 PM - 01:35 PM	44.4	41.2	04:10 PM - 04:15 PM	51.6	44.0
10:55 AM - 11:00 AM	45.5	40.6	01:35 PM - 01:40 PM	47.8	40.9	04:15 PM - 04:20 PM	52.6	43.6
11:00 AM - 11:05 AM	43.8	39.9	01:40 PM - 01:45 PM	47.3	40.2	04:20 PM - 04:25 PM	52.1	43.3
11:05 AM - 11:10 AM	46.6	39.1	01:45 PM - 01:50 PM	45.1	40.8	04:25 PM - 04:30 PM	48.8	42.6
11:10 AM - 11:15 AM	45.4	41.5	01:50 PM - 01:55 PM	45.1	40.2	04:30 PM - 04:35 PM	48.2	43.0
11:15 AM - 11:20 AM	46.0	42.1	01:55 PM - 02:00 PM	43.9	39.5	04:35 PM - 04:40 PM	47.1	43.1
11:20 AM - 11:25 AM	44.5	41.8	02:00 PM - 02:05 PM	45.7	41.1	04:40 PM - 04:45 PM	46.9	41.1
11:25 AM - 11:30 AM	45.2	40.4	02:05 PM - 02:10 PM	51.7	42.3	04:45 PM - 04:50 PM	48.0	43.2
11:30 AM - 11:35 AM	45.8	42.1	02:10 PM - 02:15 PM	45.5	42.3	04:50 PM - 04:55 PM	50.0	42.2
11:35 AM - 11:40 AM	45.8	41.8	02:15 PM - 02:20 PM	46.9	41.3	04:55 PM - 05:00 PM	50.7	42.9

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

Sarayuht Jittrantorn
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588959-1

Page 2 of 3

Sample Number 2635082-4
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpavit Suwanarat
Sound level meter Serial No. 1120938

May 25, 2026			May 25, 2026			May 25 - May 26, 2026		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
05:00 PM - 05:05 PM	46.6	41.6	07:40 PM - 07:45 PM	45.1	42.0	10:20 PM - 10:25 PM	47.8	46.8
05:05 PM - 05:10 PM	48.2	43.2	07:45 PM - 07:50 PM	45.5	42.6	10:25 PM - 10:30 PM	48.0	47.3
05:10 PM - 05:15 PM	53.5	43.1	07:50 PM - 07:55 PM	46.0	42.5	10:30 PM - 10:35 PM	48.3	46.8
05:15 PM - 05:20 PM	46.1	42.5	07:55 PM - 08:00 PM	44.3	41.7	10:35 PM - 10:40 PM	48.0	47.2
05:20 PM - 05:25 PM	48.3	43.3	08:00 PM - 08:05 PM	47.3	42.5	10:40 PM - 10:45 PM	48.0	47.1
05:25 PM - 05:30 PM	47.7	43.8	08:05 PM - 08:10 PM	47.0	41.8	10:45 PM - 10:50 PM	47.8	46.9
05:30 PM - 05:35 PM	48.4	43.8	08:10 PM - 08:15 PM	45.5	41.5	10:50 PM - 10:55 PM	48.8	47.8
05:35 PM - 05:40 PM	47.0	42.8	08:15 PM - 08:20 PM	46.2	41.9	10:55 PM - 11:00 PM	48.1	47.0
05:40 PM - 05:45 PM	46.3	42.4	08:20 PM - 08:25 PM	45.4	41.2	11:00 PM - 11:05 PM	47.5	46.9
05:45 PM - 05:50 PM	46.8	43.1	08:25 PM - 08:30 PM	45.1	41.7	11:05 PM - 11:10 PM	47.6	46.9
05:50 PM - 05:55 PM	45.7	43.2	08:30 PM - 08:35 PM	45.6	41.4	11:10 PM - 11:15 PM	47.2	46.2
05:55 PM - 06:00 PM	51.1	43.9	08:35 PM - 08:40 PM	46.0	41.6	11:15 PM - 11:20 PM	46.9	46.1
06:00 PM - 06:05 PM	45.5	42.7	08:40 PM - 08:45 PM	46.4	42.5	11:20 PM - 11:25 PM	49.5	46.4
06:05 PM - 06:10 PM	45.1	43.0	08:45 PM - 08:50 PM	44.6	42.6	11:25 PM - 11:30 PM	48.0	46.9
06:10 PM - 06:15 PM	48.6	44.1	08:50 PM - 08:55 PM	44.6	42.6	11:30 PM - 11:35 PM	47.5	46.6
06:15 PM - 06:20 PM	46.6	44.6	08:55 PM - 09:00 PM	46.3	44.5	11:35 PM - 11:40 PM	47.5	46.2
06:20 PM - 06:25 PM	47.5	45.3	09:00 PM - 09:05 PM	47.1	44.4	11:40 PM - 11:45 PM	48.2	46.8
06:25 PM - 06:30 PM	47.1	44.8	09:05 PM - 09:10 PM	46.2	44.7	11:45 PM - 11:50 PM	48.6	47.8
06:30 PM - 06:35 PM	46.9	44.6	09:10 PM - 09:15 PM	46.5	45.1	11:50 PM - 11:55 PM	49.2	48.4
06:35 PM - 06:40 PM	46.6	44.1	09:15 PM - 09:20 PM	46.3	45.2	11:55 PM - 12:00 AM	47.4	46.3
06:40 PM - 06:45 PM	47.5	44.4	09:20 PM - 09:25 PM	46.4	44.8	12:00 AM - 12:05 AM	46.1	45.1
06:45 PM - 06:50 PM	48.6	44.8	09:25 PM - 09:30 PM	46.0	45.0	12:05 AM - 12:10 AM	48.4	46.7
06:50 PM - 06:55 PM	46.8	43.3	09:30 PM - 09:35 PM	46.4	45.1	12:10 AM - 12:15 AM	46.4	45.8
06:55 PM - 07:00 PM	46.7	42.8	09:35 PM - 09:40 PM	46.4	45.3	12:15 AM - 12:20 AM	48.1	46.8
07:00 PM - 07:05 PM	46.9	42.7	09:40 PM - 09:45 PM	46.5	45.4	12:20 AM - 12:25 AM	47.4	46.4
07:05 PM - 07:10 PM	47.0	43.1	09:45 PM - 09:50 PM	47.4	45.7	12:25 AM - 12:30 AM	46.0	45.3
07:10 PM - 07:15 PM	46.0	43.1	09:50 PM - 09:55 PM	47.0	45.4	12:30 AM - 12:35 AM	46.1	45.1
07:15 PM - 07:20 PM	46.8	43.1	09:55 PM - 10:00 PM	46.3	45.6	12:35 AM - 12:40 AM	45.5	44.6
07:20 PM - 07:25 PM	46.2	42.6	10:00 PM - 10:05 PM	47.7	45.3	12:40 AM - 12:45 AM	46.6	44.8
07:25 PM - 07:30 PM	46.8	43.0	10:05 PM - 10:10 PM	46.6	45.3	12:45 AM - 12:50 AM	45.5	44.8
07:30 PM - 07:35 PM	45.7	42.8	10:10 PM - 10:15 PM	47.2	46.0	12:50 AM - 12:55 AM	45.3	44.5
07:35 PM - 07:40 PM	45.4	42.0	10:15 PM - 10:20 PM	49.6	46.3	12:55 AM - 01:00 AM	45.6	44.6



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588960-1

Page 1 of 3

Sample Number 2635082-5
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 26, 2026	Leq	L90	May 26, 2026	Leq	L90	May 26, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	43.6	40.3	11:40 AM - 11:45 AM	44.4	39.9	02:20 PM - 02:25 PM	54.3	42.9
09:05 AM - 09:10 AM	44.7	39.8	11:45 AM - 11:50 AM	42.5	39.6	02:25 PM - 02:30 PM	45.9	42.3
09:10 AM - 09:15 AM	48.3	40.5	11:50 AM - 11:55 AM	45.2	40.0	02:30 PM - 02:35 PM	46.4	42.0
09:15 AM - 09:20 AM	47.2	41.6	11:55 AM - 12:00 PM	47.0	41.3	02:35 PM - 02:40 PM	46.6	41.8
09:20 AM - 09:25 AM	44.3	40.4	12:00 PM - 12:05 PM	43.9	40.7	02:40 PM - 02:45 PM	44.4	41.6
09:25 AM - 09:30 AM	45.8	41.8	12:05 PM - 12:10 PM	44.5	40.9	02:45 PM - 02:50 PM	44.0	42.0
09:30 AM - 09:35 AM	47.6	43.8	12:10 PM - 12:15 PM	44.3	41.5	02:50 PM - 02:55 PM	43.6	41.4
09:35 AM - 09:40 AM	47.8	42.5	12:15 PM - 12:20 PM	44.2	41.2	02:55 PM - 03:00 PM	44.9	41.5
09:40 AM - 09:45 AM	49.6	41.8	12:20 PM - 12:25 PM	46.5	41.5	03:00 PM - 03:05 PM	44.4	41.6
09:45 AM - 09:50 AM	45.2	41.4	12:25 PM - 12:30 PM	45.7	41.1	03:05 PM - 03:10 PM	44.3	41.0
09:50 AM - 09:55 AM	44.2	40.7	12:30 PM - 12:35 PM	45.7	42.6	03:10 PM - 03:15 PM	44.2	40.9
09:55 AM - 10:00 AM	46.0	43.1	12:35 PM - 12:40 PM	46.7	43.0	03:15 PM - 03:20 PM	47.8	41.9
10:00 AM - 10:05 AM	45.3	41.9	12:40 PM - 12:45 PM	44.3	41.8	03:20 PM - 03:25 PM	45.0	41.3
10:05 AM - 10:10 AM	44.8	42.0	12:45 PM - 12:50 PM	43.4	40.8	03:25 PM - 03:30 PM	45.4	41.6
10:10 AM - 10:15 AM	45.6	40.8	12:50 PM - 12:55 PM	46.3	41.5	03:30 PM - 03:35 PM	45.5	42.5
10:15 AM - 10:20 AM	45.4	41.8	12:55 PM - 01:00 PM	49.6	41.8	03:35 PM - 03:40 PM	44.5	41.6
10:20 AM - 10:25 AM	47.4	42.1	01:00 PM - 01:05 PM	45.1	41.8	03:40 PM - 03:45 PM	48.1	41.3
10:25 AM - 10:30 AM	54.6	41.6	01:05 PM - 01:10 PM	45.1	42.8	03:45 PM - 03:50 PM	46.1	42.5
10:30 AM - 10:35 AM	47.1	41.5	01:10 PM - 01:15 PM	44.8	41.2	03:50 PM - 03:55 PM	45.9	42.7
10:35 AM - 10:40 AM	43.7	40.0	01:15 PM - 01:20 PM	44.9	41.9	03:55 PM - 04:00 PM	48.2	43.2
10:40 AM - 10:45 AM	44.4	40.5	01:20 PM - 01:25 PM	44.7	40.8	04:00 PM - 04:05 PM	47.4	42.6
10:45 AM - 10:50 AM	45.6	39.2	01:25 PM - 01:30 PM	47.3	41.1	04:05 PM - 04:10 PM	47.6	42.8
10:50 AM - 10:55 AM	46.3	40.7	01:30 PM - 01:35 PM	46.9	41.9	04:10 PM - 04:15 PM	47.3	41.5
10:55 AM - 11:00 AM	47.3	40.7	01:35 PM - 01:40 PM	45.9	42.3	04:15 PM - 04:20 PM	46.8	43.3
11:00 AM - 11:05 AM	47.8	40.6	01:40 PM - 01:45 PM	44.5	42.0	04:20 PM - 04:25 PM	45.3	42.7
11:05 AM - 11:10 AM	44.2	40.7	01:45 PM - 01:50 PM	47.6	42.5	04:25 PM - 04:30 PM	44.8	42.0
11:10 AM - 11:15 AM	46.9	42.9	01:50 PM - 01:55 PM	48.3	42.4	04:30 PM - 04:35 PM	47.8	42.7
11:15 AM - 11:20 AM	49.8	45.4	01:55 PM - 02:00 PM	50.4	43.1	04:35 PM - 04:40 PM	48.4	43.6
11:20 AM - 11:25 AM	48.6	44.2	02:00 PM - 02:05 PM	48.6	42.9	04:40 PM - 04:45 PM	45.0	41.4
11:25 AM - 11:30 AM	47.3	43.3	02:05 PM - 02:10 PM	45.7	41.5	04:45 PM - 04:50 PM	44.9	41.2
11:30 AM - 11:35 AM	45.0	41.3	02:10 PM - 02:15 PM	46.1	42.3	04:50 PM - 04:55 PM	54.3	41.8
11:35 AM - 11:40 AM	46.3	40.6	02:15 PM - 02:20 PM	43.8	41.3	04:55 PM - 05:00 PM	46.4	42.6

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 Jittrarat
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588960-1

Page 2 of 3

Sample Number 2635082-5
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 26, 2026	Leq	L90	May 26, 2026	Leq	L90	May 26 - May 27, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	48.8	44.1	07:40 PM - 07:45 PM	46.1	44.3	10:20 PM - 10:25 PM	45.6	45.0
05:05 PM - 05:10 PM	48.3	45.0	07:45 PM - 07:50 PM	45.7	44.3	10:25 PM - 10:30 PM	45.7	45.0
05:10 PM - 05:15 PM	47.2	45.0	07:50 PM - 07:55 PM	45.6	44.5	10:30 PM - 10:35 PM	59.1	44.9
05:15 PM - 05:20 PM	47.1	45.1	07:55 PM - 08:00 PM	47.0	44.3	10:35 PM - 10:40 PM	46.9	45.0
05:20 PM - 05:25 PM	46.7	44.8	08:00 PM - 08:05 PM	45.3	44.5	10:40 PM - 10:45 PM	45.0	44.9
05:25 PM - 05:30 PM	48.0	44.9	08:05 PM - 08:10 PM	46.4	45.4	10:45 PM - 10:50 PM	45.4	44.7
05:30 PM - 05:35 PM	46.9	44.3	08:10 PM - 08:15 PM	46.3	45.0	10:50 PM - 10:55 PM	45.4	44.5
05:35 PM - 05:40 PM	46.8	44.5	08:15 PM - 08:20 PM	45.9	45.2	10:55 PM - 11:00 PM	45.5	44.6
05:40 PM - 05:45 PM	45.9	43.9	08:20 PM - 08:25 PM	46.8	45.2	11:00 PM - 11:05 PM	45.4	44.6
05:45 PM - 05:50 PM	46.6	44.4	08:25 PM - 08:30 PM	46.4	45.4	11:05 PM - 11:10 PM	45.8	44.6
05:50 PM - 05:55 PM	48.2	45.7	08:30 PM - 08:35 PM	46.0	45.2	11:10 PM - 11:15 PM	45.2	44.5
05:55 PM - 06:00 PM	46.1	44.4	08:35 PM - 08:40 PM	46.2	44.7	11:15 PM - 11:20 PM	46.6	45.1
06:00 PM - 06:05 PM	46.4	44.4	08:40 PM - 08:45 PM	46.9	45.2	11:20 PM - 11:25 PM	45.5	44.5
06:05 PM - 06:10 PM	46.8	44.4	08:45 PM - 08:50 PM	46.4	45.3	11:25 PM - 11:30 PM	44.9	44.0
06:10 PM - 06:15 PM	46.2	45.1	08:50 PM - 08:55 PM	46.3	45.2	11:30 PM - 11:35 PM	45.1	44.2
06:15 PM - 06:20 PM	47.5	45.9	08:55 PM - 09:00 PM	46.0	45.4	11:35 PM - 11:40 PM	45.4	44.3
06:20 PM - 06:25 PM	47.3	45.5	09:00 PM - 09:05 PM	45.9	45.4	11:40 PM - 11:45 PM	45.5	44.2
06:25 PM - 06:30 PM	47.1	46.1	09:05 PM - 09:10 PM	46.3	45.5	11:45 PM - 11:50 PM	45.4	44.7
06:30 PM - 06:35 PM	47.5	45.6	09:10 PM - 09:15 PM	46.2	45.5	11:50 PM - 11:55 PM	45.5	44.4
06:35 PM - 06:40 PM	47.1	45.8	09:15 PM - 09:20 PM	47.4	45.7	11:55 PM - 12:00 AM	45.5	44.3
06:40 PM - 06:45 PM	47.5	46.3	09:20 PM - 09:25 PM	52.7	45.4	12:00 AM - 12:05 AM	45.6	44.2
06:45 PM - 06:50 PM	46.9	45.9	09:25 PM - 09:30 PM	46.1	45.3	12:05 AM - 12:10 AM	44.8	44.1
06:50 PM - 06:55 PM	46.6	45.5	09:30 PM - 09:35 PM	46.4	45.4	12:10 AM - 12:15 AM	45.5	44.1
06:55 PM - 07:00 PM	45.7	44.6	09:35 PM - 09:40 PM	46.0	45.2	12:15 AM - 12:20 AM	45.7	44.2
07:00 PM - 07:05 PM	45.9	44.7	09:40 PM - 09:45 PM	47.4	45.2	12:20 AM - 12:25 AM	45.8	44.2
07:05 PM - 07:10 PM	47.5	45.3	09:45 PM - 09:50 PM	46.6	45.3	12:25 AM - 12:30 AM	45.8	44.6
07:10 PM - 07:15 PM	45.9	45.0	09:50 PM - 09:55 PM	46.3	45.2	12:30 AM - 12:35 AM	45.2	44.3
07:15 PM - 07:20 PM	46.0	44.7	09:55 PM - 10:00 PM	45.6	45.0	12:35 AM - 12:40 AM	46.4	44.7
07:20 PM - 07:25 PM	46.2	44.9	10:00 PM - 10:05 PM	46.6	45.0	12:40 AM - 12:45 AM	45.3	43.8
07:25 PM - 07:30 PM	45.8	44.6	10:05 PM - 10:10 PM	45.6	44.9	12:45 AM - 12:50 AM	45.7	43.8
07:30 PM - 07:35 PM	45.8	44.3	10:10 PM - 10:15 PM	45.6	44.9	12:50 AM - 12:55 AM	45.0	44.1
07:35 PM - 07:40 PM	45.4	44.2	10:15 PM - 10:20 PM	45.6	44.9	12:55 AM - 01:00 AM	45.9	44.5

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Approved by

Sarayuth Jittrarat
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588960-1

Page 3 of 3

Sample Number 2635082-5
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 27, 2026	Leq	L90	May 27, 2026	Leq	L90	May 27, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	45.8	44.9	03:40 AM - 03:45 AM	45.3	44.0	06:20 AM - 06:25 AM	49.6	44.8
01:05 AM - 01:10 AM	46.4	45.2	03:45 AM - 03:50 AM	45.8	44.1	06:25 AM - 06:30 AM	49.7	43.9
01:10 AM - 01:15 AM	46.4	45.2	03:50 AM - 03:55 AM	46.1	44.5	06:30 AM - 06:35 AM	52.9	45.3
01:15 AM - 01:20 AM	45.9	44.8	03:55 AM - 04:00 AM	46.4	44.2	06:35 AM - 06:40 AM	48.3	44.9
01:20 AM - 01:25 AM	45.5	44.8	04:00 AM - 04:05 AM	46.1	44.6	06:40 AM - 06:45 AM	47.2	44.1
01:25 AM - 01:30 AM	45.7	45.1	04:05 AM - 04:10 AM	47.4	45.0	06:45 AM - 06:50 AM	49.9	44.4
01:30 AM - 01:35 AM	46.5	45.2	04:10 AM - 04:15 AM	46.1	44.3	06:50 AM - 06:55 AM	51.2	46.0
01:35 AM - 01:40 AM	46.3	45.3	04:15 AM - 04:20 AM	48.0	45.2	06:55 AM - 07:00 AM	50.6	45.1
01:40 AM - 01:45 AM	46.1	45.1	04:20 AM - 04:25 AM	54.1	45.8	07:00 AM - 07:05 AM	49.1	45.3
01:45 AM - 01:50 AM	45.9	44.8	04:25 AM - 04:30 AM	52.1	47.1	07:05 AM - 07:10 AM	49.9	44.7
01:50 AM - 01:55 AM	45.7	44.8	04:30 AM - 04:35 AM	51.4	48.1	07:10 AM - 07:15 AM	51.5	46.0
01:55 AM - 02:00 AM	46.1	45.0	04:35 AM - 04:40 AM	59.6	47.7	07:15 AM - 07:20 AM	52.4	46.5
02:00 AM - 02:05 AM	45.8	45.0	04:40 AM - 04:45 AM	51.3	47.1	07:20 AM - 07:25 AM	50.6	46.7
02:05 AM - 02:10 AM	46.3	44.7	04:45 AM - 04:50 AM	51.3	46.2	07:25 AM - 07:30 AM	50.9	46.7
02:10 AM - 02:15 AM	45.8	44.7	04:50 AM - 04:55 AM	50.0	45.9	07:30 AM - 07:35 AM	51.3	46.7
02:15 AM - 02:20 AM	45.7	44.5	04:55 AM - 05:00 AM	51.1	46.5	07:35 AM - 07:40 AM	50.7	45.7
02:20 AM - 02:25 AM	45.6	44.3	05:00 AM - 05:05 AM	52.9	46.1	07:40 AM - 07:45 AM	52.8	48.7
02:25 AM - 02:30 AM	45.5	44.3	05:05 AM - 05:10 AM	51.4	45.9	07:45 AM - 07:50 AM	51.3	46.5
02:30 AM - 02:35 AM	45.3	44.5	05:10 AM - 05:15 AM	48.0	44.3	07:50 AM - 07:55 AM	47.5	43.1
02:35 AM - 02:40 AM	45.1	44.1	05:15 AM - 05:20 AM	47.8	45.2	07:55 AM - 08:00 AM	48.9	44.0
02:40 AM - 02:45 AM	45.2	44.2	05:20 AM - 05:25 AM	49.1	45.4	08:00 AM - 08:05 AM	52.6	46.6
02:45 AM - 02:50 AM	45.4	44.3	05:25 AM - 05:30 AM	50.9	46.4	08:05 AM - 08:10 AM	50.8	46.2
02:50 AM - 02:55 AM	45.2	44.3	05:30 AM - 05:35 AM	49.7	45.7	08:10 AM - 08:15 AM	50.2	44.7
02:55 AM - 03:00 AM	45.4	44.6	05:35 AM - 05:40 AM	48.8	45.8	08:15 AM - 08:20 AM	53.4	48.8
03:00 AM - 03:05 AM	45.5	44.4	05:40 AM - 05:45 AM	50.8	45.6	08:20 AM - 08:25 AM	51.7	48.1
03:05 AM - 03:10 AM	46.1	44.9	05:45 AM - 05:50 AM	58.2	46.2	08:25 AM - 08:30 AM	50.7	47.5
03:10 AM - 03:15 AM	46.3	45.1	05:50 AM - 05:55 AM	58.0	45.3	08:30 AM - 08:35 AM	50.7	48.3
03:15 AM - 03:20 AM	46.5	45.3	05:55 AM - 06:00 AM	49.8	44.8	08:35 AM - 08:40 AM	51.2	47.7
03:20 AM - 03:25 AM	46.7	45.8	06:00 AM - 06:05 AM	47.6	43.8	08:40 AM - 08:45 AM	52.7	47.5
03:25 AM - 03:30 AM	46.9	45.9	06:05 AM - 06:10 AM	50.0	43.9	08:45 AM - 08:50 AM	50.1	47.0
03:30 AM - 03:35 AM	46.8	44.7	06:10 AM - 06:15 AM	47.2	43.5	08:50 AM - 08:55 AM	51.1	47.5
03:35 AM - 03:40 AM	46.2	44.2	06:15 AM - 06:20 AM	47.5	44.6	08:55 AM - 09:00 AM	50.7	47.3



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588961-1

Page 2 of 3

Sample Number 2635082-6
Parameter Noise Level (Leq 5 min)
พิกัดการวัดค่าเสียงที่ถนนสาธารณะ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 27, 2026 Time	Leq dB(A)	L90 dB(A)	May 27, 2026 Time	Leq dB(A)	L90 dB(A)	May 27 - May 28, 2026 Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	51.9	45.8	07:40 PM - 07:45 PM	46.6	45.6	10:20 PM - 10:25 PM	45.9	44.3
05:05 PM - 05:10 PM	54.4	47.5	07:45 PM - 07:50 PM	46.7	45.6	10:25 PM - 10:30 PM	44.8	44.2
05:10 PM - 05:15 PM	51.4	45.4	07:50 PM - 07:55 PM	47.1	45.7	10:30 PM - 10:35 PM	45.0	44.0
05:15 PM - 05:20 PM	46.7	45.1	07:55 PM - 08:00 PM	46.3	45.1	10:35 PM - 10:40 PM	45.1	44.4
05:20 PM - 05:25 PM	62.3	44.9	08:00 PM - 08:05 PM	45.8	44.7	10:40 PM - 10:45 PM	45.5	44.6
05:25 PM - 05:30 PM	46.3	44.6	08:05 PM - 08:10 PM	45.7	44.6	10:45 PM - 10:50 PM	48.6	44.5
05:30 PM - 05:35 PM	47.6	45.6	08:10 PM - 08:15 PM	46.0	44.8	10:50 PM - 10:55 PM	46.0	44.7
05:35 PM - 05:40 PM	47.2	44.9	08:15 PM - 08:20 PM	45.9	44.7	10:55 PM - 11:00 PM	45.5	44.7
05:40 PM - 05:45 PM	46.4	44.5	08:20 PM - 08:25 PM	46.0	44.9	11:00 PM - 11:05 PM	45.6	44.7
05:45 PM - 05:50 PM	46.1	44.7	08:25 PM - 08:30 PM	47.4	45.3	11:05 PM - 11:10 PM	46.2	44.9
05:50 PM - 05:55 PM	47.2	45.2	08:30 PM - 08:35 PM	46.5	45.4	11:10 PM - 11:15 PM	45.7	44.8
05:55 PM - 06:00 PM	47.2	44.9	08:35 PM - 08:40 PM	45.5	44.8	11:15 PM - 11:20 PM	45.6	44.8
06:00 PM - 06:05 PM	48.3	44.9	08:40 PM - 08:45 PM	45.6	44.8	11:20 PM - 11:25 PM	45.9	44.9
06:05 PM - 06:10 PM	47.7	45.3	08:45 PM - 08:50 PM	45.9	45.0	11:25 PM - 11:30 PM	45.5	44.7
06:10 PM - 06:15 PM	47.7	45.8	08:50 PM - 08:55 PM	46.5	45.1	11:30 PM - 11:35 PM	45.5	44.7
06:15 PM - 06:20 PM	47.9	45.9	08:55 PM - 09:00 PM	47.1	45.0	11:35 PM - 11:40 PM	46.2	44.6
06:20 PM - 06:25 PM	48.2	46.6	09:00 PM - 09:05 PM	47.3	44.9	11:40 PM - 11:45 PM	46.2	45.0
06:25 PM - 06:30 PM	48.9	46.4	09:05 PM - 09:10 PM	47.9	45.0	11:45 PM - 11:50 PM	46.9	45.5
06:30 PM - 06:35 PM	47.4	46.3	09:10 PM - 09:15 PM	45.8	45.0	11:50 PM - 11:55 PM	46.7	45.9
06:35 PM - 06:40 PM	47.8	46.5	09:15 PM - 09:20 PM	46.4	45.0	11:55 PM - 12:00 AM	46.3	45.4
06:40 PM - 06:45 PM	47.3	46.1	09:20 PM - 09:25 PM	46.6	45.1	12:00 AM - 12:05 AM	50.0	45.4
06:45 PM - 06:50 PM	47.0	46.1	09:25 PM - 09:30 PM	46.4	45.4	12:05 AM - 12:10 AM	46.2	45.4
06:50 PM - 06:55 PM	46.7	45.7	09:30 PM - 09:35 PM	47.2	45.3	12:10 AM - 12:15 AM	46.6	45.4
06:55 PM - 07:00 PM	46.2	45.0	09:35 PM - 09:40 PM	46.4	45.2	12:15 AM - 12:20 AM	45.4	44.7
07:00 PM - 07:05 PM	46.7	45.3	09:40 PM - 09:45 PM	46.1	44.8	12:20 AM - 12:25 AM	45.1	44.4
07:05 PM - 07:10 PM	46.2	44.9	09:45 PM - 09:50 PM	45.7	44.7	12:25 AM - 12:30 AM	45.4	44.8
07:10 PM - 07:15 PM	46.6	45.5	09:50 PM - 09:55 PM	45.8	44.6	12:30 AM - 12:35 AM	45.5	44.5
07:15 PM - 07:20 PM	47.6	46.2	09:55 PM - 10:00 PM	45.8	44.7	12:35 PM - 12:40 AM	47.1	45.1
07:20 PM - 07:25 PM	47.2	46.1	10:00 PM - 10:05 PM	46.2	45.2	12:40 AM - 12:45 AM	45.3	44.6
07:25 PM - 07:30 PM	47.4	46.2	10:05 PM - 10:10 PM	45.6	45.0	12:45 AM - 12:50 AM	47.8	44.5
07:30 PM - 07:35 PM	47.0	45.8	10:10 PM - 10:15 PM	45.7	44.7	12:50 AM - 12:55 AM	47.0	45.2
07:35 PM - 07:40 PM	47.2	46.0	10:15 PM - 10:20 PM	45.2	44.6	12:55 AM - 01:00 AM	46.2	45.2

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588961-1

Page 3 of 3

Sample Number 2635082-6
Parameter Noise Level (Leq 5 min)
พิกัดการวัดค่าเสียงที่ถนนสาธารณะ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 28, 2026 Time	Leq dB(A)	L90 dB(A)	May 28, 2026 Time	Leq dB(A)	L90 dB(A)	May 28, 2026 Time	Leq dB(A)	L90 dB(A)
01:00 AM - 01:05 AM	46.3	45.2	03:40 AM - 03:45 AM	45.2	44.6	06:20 AM - 06:25 AM	50.3	47.1
01:05 AM - 01:10 AM	46.1	45.1	03:45 AM - 03:50 AM	45.6	44.7	06:25 AM - 06:30 AM	55.6	51.5
01:10 AM - 01:15 AM	46.3	45.1	03:50 AM - 03:55 AM	46.2	44.8	06:30 AM - 06:35 AM	57.1	53.8
01:15 AM - 01:20 AM	46.1	45.0	03:55 AM - 04:00 AM	46.7	44.7	06:35 AM - 06:40 AM	54.0	51.3
01:20 AM - 01:25 AM	46.0	45.2	04:00 AM - 04:05 AM	47.4	44.5	06:40 AM - 06:45 AM	53.8	51.3
01:25 AM - 01:30 AM	46.1	45.1	04:05 AM - 04:10 AM	45.4	43.6	06:45 AM - 06:50 AM	55.9	52.1
01:30 AM - 01:35 AM	46.4	45.3	04:10 AM - 04:15 AM	46.5	44.1	06:50 AM - 06:55 AM	57.2	51.9
01:35 AM - 01:40 AM	46.4	45.0	04:15 AM - 04:20 AM	49.9	44.3	06:55 AM - 07:00 AM	56.1	51.9
01:40 AM - 01:45 AM	45.4	44.5	04:20 AM - 04:25 AM	50.7	44.5	07:00 AM - 07:05 AM	56.0	52.6
01:45 AM - 01:50 AM	45.8	44.8	04:25 AM - 04:30 AM	47.8	44.9	07:05 AM - 07:10 AM	55.6	53.4
01:50 AM - 01:55 AM	45.9	45.0	04:30 AM - 04:35 AM	49.6	46.9	07:10 AM - 07:15 AM	56.3	52.6
01:55 AM - 02:00 AM	45.9	45.1	04:35 AM - 04:40 AM	50.2	46.2	07:15 AM - 07:20 AM	57.3	51.0
02:00 AM - 02:05 AM	46.4	45.2	04:40 AM - 04:45 AM	53.6	47.0	07:20 AM - 07:25 AM	53.1	50.5
02:05 AM - 02:10 AM	46.5	45.7	04:45 AM - 04:50 AM	51.4	47.3	07:25 AM - 07:30 AM	54.5	51.6
02:10 AM - 02:15 AM	46.6	45.5	04:50 AM - 04:55 AM	49.2	46.8	07:30 AM - 07:35 AM	55.1	51.2
02:15 AM - 02:20 AM	48.5	45.3	04:55 AM - 05:00 AM	49.1	46.9	07:35 AM - 07:40 AM	56.0	50.7
02:20 AM - 02:25 AM	46.5	45.3	05:00 AM - 05:05 AM	48.0	46.4	07:40 AM - 07:45 AM	54.4	50.7
02:25 AM - 02:30 AM	46.1	45.1	05:05 AM - 05:10 AM	48.4	46.4	07:45 AM - 07:50 AM	53.1	48.6
02:30 AM - 02:35 AM	46.4	45.1	05:10 AM - 05:15 AM	49.2	46.6	07:50 AM - 07:55 AM	53.7	48.9
02:35 AM - 02:40 AM	46.3	45.2	05:15 AM - 05:20 AM	53.1	47.5	07:55 AM - 08:00 AM	54.5	50.5
02:40 AM - 02:45 AM	46.1	45.0	05:20 AM - 05:25 AM	50.7	48.0	08:00 AM - 08:05 AM	56.0	52.6
02:45 AM - 02:50 AM	45.9	45.1	05:25 AM - 05:30 AM	51.9	48.6	08:05 AM - 08:10 AM	54.9	51.6
02:50 AM - 02:55 AM	46.2	45.3	05:30 AM - 05:35 AM	52.0	49.0	08:10 AM - 08:15 AM	53.8	50.7
02:55 AM - 03:00 AM	46.0	44.9	05:35 AM - 05:40 AM	50.3	48.1	08:15 AM - 08:20 AM	53.9	50.2
03:00 AM - 03:05 AM	45.8	44.9	05:40 AM - 05:45 AM	56.1	48.7	08:20 AM - 08:25 AM	53.0	48.4
03:05 AM - 03:10 AM	45.4	44.6	05:45 AM - 05:50 AM	52.3	48.6	08:25 AM - 08:30 AM	54.2	50.8
03:10 AM - 03:15 AM	46.2	44.7	05:50 AM - 05:55 AM	49.7	47.3	08:30 AM - 08:35 AM	55.3	51.3
03:15 AM - 03:20 AM	46.6	44.9	05:55 AM - 06:00 AM	52.2	46.4	08:35 AM - 08:40 AM	54.6	49.2
03:20 AM - 03:25 AM	45.9	44.5	06:00 AM - 06:05 AM	50.6	45.2	08:40 AM - 08:45 AM	53.3	47.3
03:25 AM - 03:30 AM	45.9	44.5	06:05 AM - 06:10 AM	49.6	45.5	08:45 AM - 08:50 AM	52.0	48.6
03:30 AM - 03:35 AM	45.7	44.6	06:10 AM - 06:15 AM	50.8	47.6	08:50 AM - 08:55 AM	53.9	49.5
03:35 AM - 03:40 AM	45.5	44.5	06:15 AM - 06:20 AM	49.1	46.8	08:55 AM - 09:00 AM	54.1	52.0

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Approved by

Sarayuth Jittrarat
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588962-1

Page 1 of 3

Sample Number 2635082-7
Parameter Noise Level (Leq 5 min)
พิกัดการวัดค่าเสียงที่ถนนสาธารณะ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120938

May 28, 2026 Time	Leq dB(A)	L90 dB(A)	May 28, 2026 Time	Leq dB(A)	L90 dB(A)	May 28, 2026 Time	Leq dB(A)	L90 dB(A)
09:00 AM - 09:05 AM	56.3	52.6	11:40 AM - 11:45 AM	52.2	49.9	02:20 PM - 02:25 PM	54.3	50.6
09:05 AM - 09:10 AM	53.9	51.7	11:45 AM - 11:50 AM	53.6	51.2	02:25 PM - 02:30 PM	53.8	51.6
09:10 AM - 09:15 AM	55.0	52.6	11:50 AM - 11:55 AM	54.6	51.3	02:30 PM - 02:35 PM	55.4	52.4
09:15 AM - 09:20 AM	57.1	52.6	11:55 AM - 12:00 PM	56.1	49.7	02:35 PM - 02:40 PM	54.1	51.6
09:20 AM - 09:25 AM	56.9	51.0	12:00 PM - 12:05 PM	55.6	50.2	02:40 PM - 02:45 PM	60.5	50.8
09:25 AM - 09:30 AM	60.3	52.0	12:05 PM - 12:10 PM	54.3	50.3	02:45 PM - 02:50 PM	53.3	50.2
09:30 AM - 09:35 AM	55.3	53.5	12:10 PM - 12:15 PM	56.9	53.0	02:50 PM - 02:55 PM	54.4	50.4
09:35 AM - 09:40 AM	54.6	50.7	12:15 PM - 12:20 PM	55.0	50.7	02:55 PM - 03:00 PM	53.7	51.4
09:40 AM - 09:45 AM	55.2	51.8	12:20 PM - 12:25 PM	54.6	49.0	03:00 PM - 03:05 PM	54.8	51.4
09:45 AM - 09:50 AM	55.1	51.8	12:25 PM - 12:30 PM	54.1	50.1	03:05 PM - 03:10 PM	54.0	51.3
09:50 AM - 09:55 AM	54.9	50.9	12:30 PM - 12:35 PM	56.1	51.1	03:10 PM - 03:15 PM	55.3	48.9
09:55 AM - 10:00 AM	56.3	53.4	12:35 PM - 12:40 PM	55.7	52.0	03:15 PM - 03:20 PM	54.1	50.1
10:00 AM - 10:05 AM	55.4	50.1	12:40 PM - 12:45 PM	54.2	49.1	03:20 PM - 03:25 PM	53.7	49.4
10:05 AM - 10:10 AM	55.1	52.3	12:45 PM - 12:50 PM	55.2	49.0	03:25 PM - 03:30 PM	54.9	50.5
10:10 AM - 10:15 AM	54.2	50.9	12:50 PM - 12:55 PM	54.7	48.7	03:30 PM - 03:35 PM	54.1	51.8
10:15 AM - 10:20 AM	58.6	53.0	12:55 PM - 01:00 PM	56.3	52.8	03:35 PM - 03:40 PM	54.9	52.3
10:20 AM - 10:25 AM	55.7	52.2	01:00 PM - 01:05 PM	56.8	51.6	03:40 PM - 03:45 PM	54.0	49.5
10:25 AM - 10:30 AM	54.6	51.4	01:05 PM - 01:10 PM	61.1	50.4	03:45 PM - 03:50 PM	53.4	48.6
10:30 AM - 10:35 AM	55.2	52.0	01:10 PM - 01:15 PM	53.4	50.2	03:50 PM - 03:55 PM	54.2	51.1
10:35 AM - 10:40 AM	54.6	51.3	01:15 PM - 01:20 PM	55.1	52.8	03:55 PM - 04:00 PM	53.1	50.1
10:40 AM - 10:45 AM	54.0	50.2	01:20 PM - 01:25 PM	57.4	53.3	04:00 PM - 04:05 PM	54.1	51.0



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588963-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample Number 2635082-7
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางหลวงหมายเลข (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120938

May 29, 2026	Leq	L90	May 29, 2026	Leq	L90	May 29, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	45.4	44.1	03:40 AM - 03:45 AM	46.1	44.0	06:20 AM - 06:25 AM	52.3	49.8
01:05 AM - 01:10 AM	45.7	44.2	03:45 AM - 03:50 AM	46.7	44.7	06:25 AM - 06:30 AM	54.1	51.5
01:10 AM - 01:15 AM	44.9	44.0	03:50 AM - 03:55 AM	47.1	44.5	06:30 AM - 06:35 AM	56.2	53.5
01:15 AM - 01:20 AM	45.0	44.0	03:55 AM - 04:00 AM	46.9	44.5	06:35 AM - 06:40 AM	55.6	52.1
01:20 AM - 01:25 AM	45.5	44.2	04:00 AM - 04:05 AM	47.5	44.9	06:40 AM - 06:45 AM	55.2	51.8
01:25 AM - 01:30 AM	45.1	44.2	04:05 AM - 04:10 AM	46.6	44.8	06:45 AM - 06:50 AM	53.0	51.2
01:30 AM - 01:35 AM	44.9	44.0	04:10 AM - 04:15 AM	46.3	44.3	06:50 AM - 06:55 AM	53.2	50.7
01:35 AM - 01:40 AM	47.0	44.2	04:15 AM - 04:20 AM	46.2	44.0	06:55 AM - 07:00 AM	55.2	51.2
01:40 AM - 01:45 AM	45.3	44.1	04:20 AM - 04:25 AM	48.2	44.8	07:00 AM - 07:05 AM	57.0	52.0
01:45 AM - 01:50 AM	46.6	44.2	04:25 AM - 04:30 AM	52.1	45.8	07:05 AM - 07:10 AM	56.2	52.0
01:50 AM - 01:55 AM	45.9	44.1	04:30 AM - 04:35 AM	50.1	46.5	07:10 AM - 07:15 AM	56.7	54.0
01:55 AM - 02:00 AM	46.7	44.4	04:35 AM - 04:40 AM	49.0	46.2	07:15 AM - 07:20 AM	56.3	52.4
02:00 AM - 02:05 AM	45.7	43.8	04:40 AM - 04:45 AM	49.8	46.3	07:20 AM - 07:25 AM	56.0	53.2
02:05 AM - 02:10 AM	45.7	43.4	04:45 AM - 04:50 AM	52.1	46.4	07:25 AM - 07:30 AM	56.1	52.7
02:10 AM - 02:15 AM	46.3	44.1	04:50 AM - 04:55 AM	51.5	46.1	07:30 AM - 07:35 AM	56.0	53.4
02:15 AM - 02:20 AM	46.8	44.5	04:55 AM - 05:00 AM	52.8	46.8	07:35 AM - 07:40 AM	54.4	51.0
02:20 AM - 02:25 AM	46.0	44.1	05:00 AM - 05:05 AM	51.7	46.4	07:40 AM - 07:45 AM	55.3	51.7
02:25 AM - 02:30 AM	47.7	44.4	05:05 AM - 05:10 AM	50.3	46.9	07:45 AM - 07:50 AM	58.6	52.3
02:30 AM - 02:35 AM	45.6	44.2	05:10 AM - 05:15 AM	51.4	46.1	07:50 AM - 07:55 AM	54.7	51.7
02:35 AM - 02:40 AM	47.6	44.5	05:15 AM - 05:20 AM	49.8	46.9	07:55 AM - 08:00 AM	54.9	49.6
02:40 AM - 02:45 AM	45.3	43.5	05:20 AM - 05:25 AM	49.8	47.7	08:00 AM - 08:05 AM	51.2	43.4
02:45 AM - 02:50 AM	45.7	44.1	05:25 AM - 05:30 AM	51.3	48.3	08:05 AM - 08:10 AM	47.6	42.9
02:50 AM - 02:55 AM	45.5	43.9	05:30 AM - 05:35 AM	52.1	48.8	08:10 AM - 08:15 AM	51.6	44.0
02:55 AM - 03:00 AM	45.8	44.0	05:35 AM - 05:40 AM	49.4	47.5	08:15 AM - 08:20 AM	52.6	43.6
03:00 AM - 03:05 AM	45.2	43.6	05:40 AM - 05:45 AM	49.3	47.0	08:20 AM - 08:25 AM	52.1	43.3
03:05 AM - 03:10 AM	45.8	44.1	05:45 AM - 05:50 AM	50.0	47.0	08:25 AM - 08:30 AM	48.8	42.6
03:10 AM - 03:15 AM	47.0	44.5	05:50 AM - 05:55 AM	50.6	47.5	08:30 AM - 08:35 AM	54.7	47.9
03:15 AM - 03:20 AM	46.3	43.9	05:55 AM - 06:00 AM	50.7	47.3	08:35 AM - 08:40 AM	45.5	41.7
03:20 AM - 03:25 AM	46.3	43.7	06:00 AM - 06:05 AM	51.9	46.4	08:40 AM - 08:45 AM	45.4	41.1
03:25 AM - 03:30 AM	46.5	44.0	06:05 AM - 06:10 AM	54.0	49.4	08:45 AM - 08:50 AM	55.0	53.8
03:30 AM - 03:35 AM	47.4	44.7	06:10 AM - 06:15 AM	50.5	46.1	08:50 AM - 08:55 AM	55.4	54.7
03:35 AM - 03:40 AM	49.2	44.1	06:15 AM - 06:20 AM	48.3	45.2	08:55 AM - 09:00 AM	55.4	54.5

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Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588963-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample Number 2635082-8
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางหลวงหมายเลข (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 22, 2026	Leq	L90	May 22, 2026	Leq	L90	May 22, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	52.1	40.2	12:40 PM - 12:45 PM	41.6	38.1	03:20 PM - 03:25 PM	50.7	41.5
10:05 AM - 10:10 AM	51.2	43.1	12:45 PM - 10:10 AM	47.0	38.2	03:25 PM - 03:30 PM	46.7	40.5
10:10 AM - 10:15 AM	58.8	45.6	12:50 PM - 12:55 PM	46.2	39.3	03:30 PM - 03:35 PM	44.6	40.1
10:15 AM - 10:20 AM	55.7	38.4	12:55 PM - 01:00 PM	45.9	39.4	03:35 PM - 03:40 PM	49.1	44.1
10:20 AM - 10:25 AM	48.9	40.3	01:00 PM - 01:05 PM	51.7	40.4	03:40 PM - 03:45 PM	48.7	45.2
10:25 AM - 10:30 AM	52.8	43.5	01:05 PM - 01:10 PM	51.4	45.0	03:45 PM - 03:50 PM	47.6	45.1
10:30 AM - 10:35 AM	52.6	43.2	01:10 PM - 01:15 PM	48.6	45.9	03:50 PM - 03:55 PM	47.9	45.0
10:35 AM - 10:40 AM	51.2	42.7	01:15 PM - 01:20 PM	52.8	45.9	03:55 PM - 04:00 PM	47.9	44.1
10:40 AM - 10:45 AM	52.9	46.1	01:20 PM - 01:25 PM	52.2	40.4	04:00 PM - 04:05 PM	50.2	42.7
10:45 AM - 10:50 AM	55.8	43.2	01:25 PM - 01:30 PM	50.2	42.3	04:05 PM - 04:10 PM	48.3	42.7
10:50 AM - 10:55 AM	56.7	52.1	01:30 PM - 01:35 PM	56.5	45.6	04:10 PM - 04:15 PM	53.8	45.6
10:55 AM - 11:00 AM	54.9	51.9	01:35 PM - 01:40 PM	57.2	50.6	04:15 PM - 04:20 PM	55.7	46.7
11:00 AM - 11:05 AM	50.2	39.6	01:40 PM - 01:45 PM	50.7	41.3	04:20 PM - 04:25 PM	55.3	46.1
11:05 AM - 11:10 AM	53.0	38.8	01:45 PM - 01:50 PM	54.8	41.4	04:25 PM - 04:30 PM	51.5	43.2
11:10 AM - 11:15 AM	51.1	39.1	01:50 PM - 01:55 PM	55.1	45.0	04:30 PM - 04:35 PM	48.4	40.2
11:15 AM - 11:20 AM	48.3	38.1	01:55 PM - 02:00 PM	53.7	43.8	04:35 PM - 04:40 PM	49.2	41.7
11:20 AM - 11:25 AM	55.5	39.9	02:00 PM - 02:05 PM	51.2	42.4	04:40 PM - 04:45 PM	51.1	43.2
11:25 AM - 11:30 AM	49.4	38.5	02:05 PM - 02:10 PM	53.7	43.3	04:45 PM - 04:50 PM	55.4	45.9
11:30 AM - 11:35 AM	56.5	42.5	02:10 PM - 02:15 PM	53.6	42.6	04:50 PM - 04:55 PM	54.0	46.7
11:35 AM - 11:40 AM	54.6	42.7	02:15 PM - 02:20 PM	61.9	45.0	04:55 PM - 05:00 PM	54.3	46.8
11:40 AM - 11:45 AM	48.9	40.8	02:20 PM - 02:25 PM	61.4	41.5	05:00 PM - 05:05 PM	53.7	49.1
11:45 AM - 11:50 AM	53.1	42.1	02:25 PM - 02:30 PM	49.2	41.3	05:05 PM - 05:10 PM	59.6	45.6
11:50 AM - 11:55 AM	52.8	44.7	02:30 PM - 02:35 PM	54.4	42.4	05:10 PM - 05:15 PM	49.7	43.2
11:55 AM - 12:00 PM	59.2	41.6	02:35 PM - 02:40 PM	57.9	42.4	05:15 PM - 05:20 PM	50.0	42.3
12:00 PM - 12:05 PM	50.0	39.3	02:40 PM - 02:45 PM	55.6	44.8	05:20 PM - 05:25 PM	49.2	40.6
12:05 PM - 12:10 PM	46.7	39.6	02:45 PM - 02:50 PM	56.9	53.5	05:25 PM - 05:30 PM	49.0	41.7
12:10 PM - 12:15 PM	45.0	40.1	02:50 PM - 02:55 PM	61.0	53.1	05:30 PM - 05:35 PM	45.6	42.0
12:15 PM - 12:20 PM	49.3	40.9	02:55 PM - 03:00 PM	62.0	53.0	05:35 PM - 05:40 PM	54.1	42.3
12:20 PM - 12:25 PM	47.7	39.5	03:00 PM - 03:05 PM	63.5	51.2	05:40 PM - 05:45 PM	44.9	42.1
12:25 PM - 12:30 PM	42.9	39.0	03:05 PM - 03:10 PM	57.4	46.4	05:45 PM - 05:50 PM	48.1	41.9
12:30 PM - 12:35 PM	61.9	39.9	03:10 PM - 03:15 PM	48.3	45.0	05:50 PM - 05:55 PM	45.8	42.1
12:35 PM - 12:40 PM	46.6	38.8	03:15 PM - 03:20 PM	49.7	44.3	05:55 PM - 06:00 PM	51.6	43.4

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Approved by

Sarayuht Jitranont
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588963-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample Number 2635082-8
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางหลวงหมายเลข (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 22, 2026			May 22, 2026			May 22 - May 23, 2026		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
06:00 PM - 06:05 PM	46.7	42.3	08:40 PM - 08:45 PM	57.9	54.8	11:20 PM - 11:25 PM	58.4	54.4
06:05 PM - 06:10 PM	49.5	43.7	08:45 PM - 08:50 PM	60.0	58.3	11:25 PM - 11:30 PM	59.8	57.6
06:10 PM - 06:15 PM	49.7	43.9	08:50 PM - 08:55 PM	60.6	59.3	11:30 PM - 11:35 PM	60.0	54.8
06:15 PM - 06:20 PM	50.3	45.8	08:55 PM - 09:00 PM	59.5	49.0	11:35 PM - 11:40 PM	60.6	57.4
06:20 PM - 06:25 PM	51.4	45.9	09:00 PM - 09:05 PM	59.2	56.7	11:40 PM - 11:45 PM	60.5	56.2
06:25 PM - 06:30 PM	48.0	44.6	09:05 PM - 09:10 PM	59.2	48.8	11:45 PM - 11:50 PM	58.2	55.3
06:30 PM - 06:35 PM	49.7	44.2	09:10 PM - 09:15 PM	56.9	47.9	11:50 PM - 11:55 PM	59.7	58.1
06:35 PM - 06:40 PM	48.1	45.4	09:15 PM - 09:20 PM	55.9	48.3	11:55 PM - 12:00 AM	58.9	56.2
06:40 PM - 06:45 PM	49.6	45.3	09:20 PM - 09:25 PM	59.1	55.2	12:00 AM - 12:05 AM	57.2	55.0
06:45 PM - 06:50 PM	62.8	45.8	09:25 PM - 09:30 PM	57.2	49.2	12:05 AM - 12:10 AM	57.4	54.0
06:50 PM - 06:55 PM	56.3	46.4	09:30 PM - 09:35 PM	56.3	49.0	12:10 AM - 12:15 AM	56.7	52.4
06:55 PM - 07:00 PM	51.1	47.4	09:35 PM - 09:40 PM	58.0	53.6	12:15 AM - 12:20 AM	58.3	51.0
07:00 PM - 07:05 PM	48.8	46.4	09:40 PM - 09:45 PM	54.0	48.8	12:20 AM - 12:25 AM	59.3	56.0
07:05 PM - 07:10 PM	50.1	48.1	09:45 PM - 09:50 PM	57.9	50.1	12:25 AM - 12:30 AM	57.3	53.8
07:10 PM - 07:15 PM	50.7	48.5	09:50 PM - 09:55 PM	60.1	58.2	12:30 AM - 12:35 AM	59.5	56.2
07:15 PM - 07:20 PM	51.7	48.6	09:55 PM - 10:00 PM	59.6	55.4	12:35 AM - 12:40 AM	60.1	57.2
07:20 PM - 07:25 PM	50.9	48.1	10:00 PM - 10:05 PM	58.3	49.2	12:40 AM - 12:45 AM	60.4	56.7
07:25 PM - 07:30 PM	53.1	49.2	10:05 PM - 10:10 PM	57.8	52.8	12:45 AM - 12:50 AM	59.4	54.6
07:30 PM - 07:35 PM	53.3	49.6	10:10 PM - 10:15 PM	59.6	55.6	12:50 AM - 12:55 AM	60.6	58.0
07:35 PM - 07:40 PM	53.4	48.5	10:15 PM - 10:20 PM	59.2	56.2	12:55 AM - 01:00 AM	61.4	57.3
07:40 PM - 07:45 PM	54.8	50.1	10:20 PM - 10:25 PM	59.0	52.2	01:00 AM - 01:05 AM	62.0	60.0
07:45 PM - 07:50 PM	57.2	55.6	10:25 PM - 10:30 PM	58.6	55.7	01:05 AM - 01:10 AM	62.1	60.5
07:50 PM - 07:55 PM	57.1	54.8	10:30 PM - 10:35 PM	59.5	57.3	01:10 AM - 01:15 AM	62.6	60.1
07:55 PM - 08:00 PM	57.2	51.8	10:35 PM - 10:40 PM	56.6	56.4	01:15 AM - 01:20 AM	62.6	60.1
08:00 PM - 08:05 PM	58.6	54.4	10:40 PM - 10:45 PM	59.5	57.1	01:20 AM - 01:25 AM	62.7	60.4
08:05 PM - 08:10 PM	59.7	57.8	10:45 PM - 10:50 PM	57.7	48.7	01:25 AM - 01:30 AM	63.0	61.2
08:10 PM - 08:15 PM	60.4	59.2	10:50 PM - 10:55 PM	55.9	47.9	01:30 AM - 01:35 AM	62.4	60.1
08:15 PM - 08:20 PM	59.5	57.7	10:55 PM - 11:00 PM	59.9	52.8	01:35 AM - 01:40 AM	61.9	59.3
08:20 PM - 08:25 PM	61.6	60.7	11:00 PM - 11:05 PM	59.9	52.8	01:40 AM - 01:45 AM	61.5	60.3
08:25 PM - 08:30 PM	60.0	49.3	11:05 PM - 11:10 PM	59.4	52.0	01:45 AM - 01:50 AM	60.4	56.9
08:30 PM - 08:35 PM	53.2	48.2	11:10 PM - 11:15 PM	58.5	53.1	01:50 AM - 01:55 AM	61.1	57.0
08:35 PM - 08:40 PM	56.9	50.4	11:15 PM - 11:20 PM	59.0	53.8	01:55 AM - 02:00 AM	61.3	57.3



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588964-1

Page 1 of 3

Sample Number 2635082-9
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางหลวง (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level meter Serial No. 1120936

May 23, 2026	Leq	L90	May 23, 2026	Leq	L90	May 23, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	54.7	43.6	12:40 PM - 12:45 PM	45.2	39.2	03:20 PM - 03:25 PM	54.8	44.9
10:05 AM - 10:10 AM	55.1	43.0	12:45 PM - 12:50 PM	44.3	40.1	03:25 PM - 03:30 PM	50.5	43.0
10:10 AM - 10:15 AM	49.4	44.0	12:50 PM - 12:55 PM	46.6	38.4	03:30 PM - 03:35 PM	47.7	43.4
10:15 AM - 10:20 AM	47.0	44.0	12:55 PM - 01:00 PM	45.5	39.8	03:35 PM - 03:40 PM	50.3	45.3
10:20 AM - 10:25 AM	48.5	43.6	01:00 PM - 01:05 PM	56.2	45.5	03:40 PM - 03:45 PM	51.0	44.8
10:25 AM - 10:30 AM	45.6	41.6	01:05 PM - 01:10 PM	54.8	45.7	03:45 PM - 03:50 PM	49.0	41.8
10:30 AM - 10:35 AM	48.1	44.1	01:10 PM - 01:15 PM	47.5	42.9	03:50 PM - 03:55 PM	48.7	40.0
10:35 AM - 10:40 AM	55.4	43.6	01:15 PM - 01:20 PM	46.7	41.7	03:55 PM - 04:00 PM	48.5	39.9
10:40 AM - 10:45 AM	50.7	43.5	01:20 PM - 01:25 PM	47.8	42.3	04:00 PM - 04:05 PM	55.5	43.1
10:45 AM - 10:50 AM	49.4	45.5	01:25 PM - 01:30 PM	52.1	43.8	04:05 PM - 04:10 PM	45.2	38.3
10:50 AM - 10:55 AM	48.0	45.6	01:30 PM - 01:35 PM	62.1	47.7	04:10 PM - 04:15 PM	45.0	39.4
10:55 AM - 11:00 AM	48.5	44.1	01:35 PM - 01:40 PM	48.0	44.4	04:15 PM - 04:20 PM	48.1	42.5
11:00 AM - 11:05 AM	48.1	42.5	01:40 PM - 01:45 PM	51.6	43.2	04:20 PM - 04:25 PM	53.8	44.1
11:05 AM - 11:10 AM	51.0	42.3	01:45 PM - 01:50 PM	47.7	42.9	04:25 PM - 04:30 PM	49.2	44.2
11:10 AM - 11:15 AM	54.2	42.5	01:50 PM - 01:55 PM	45.2	40.9	04:30 PM - 04:35 PM	54.3	43.5
11:15 AM - 11:20 AM	60.1	53.1	01:55 PM - 02:00 PM	45.3	40.1	04:35 PM - 04:40 PM	50.0	45.3
11:20 AM - 11:25 AM	57.4	48.1	02:00 PM - 02:05 PM	44.7	40.8	04:40 PM - 04:45 PM	49.0	45.4
11:25 AM - 11:30 AM	47.4	42.9	02:05 PM - 02:10 PM	46.1	42.6	04:45 PM - 04:50 PM	55.5	47.4
11:30 AM - 11:35 AM	53.6	45.2	02:10 PM - 02:15 PM	46.1	42.5	04:50 PM - 04:55 PM	54.1	47.6
11:35 AM - 11:40 AM	45.5	43.0	02:15 PM - 02:20 PM	45.5	42.1	04:55 PM - 05:00 PM	53.7	48.0
11:40 AM - 11:45 AM	50.8	42.9	02:20 PM - 02:25 PM	47.4	42.1	05:00 PM - 05:05 PM	50.0	43.7
11:45 AM - 11:50 AM	52.4	43.4	02:25 PM - 02:30 PM	43.8	40.2	05:05 PM - 05:10 PM	48.7	43.1
11:50 AM - 11:55 AM	51.9	41.9	02:30 PM - 02:35 PM	46.2	42.1	05:10 PM - 05:15 PM	47.8	43.0
11:55 AM - 12:00 PM	44.9	41.9	02:35 PM - 02:40 PM	46.2	41.9	05:15 PM - 05:20 PM	46.7	42.7
12:00 PM - 12:05 PM	48.7	44.0	02:40 PM - 02:45 PM	49.1	41.6	05:20 PM - 05:25 PM	49.6	41.9
12:05 PM - 12:10 PM	52.0	47.0	02:45 PM - 02:50 PM	44.1	40.8	05:25 PM - 05:30 PM	46.0	41.5
12:10 PM - 12:15 PM	46.6	40.4	02:50 PM - 02:55 PM	49.1	41.9	05:30 PM - 05:35 PM	44.9	41.1
12:15 PM - 12:20 PM	43.7	40.3	02:55 PM - 03:00 PM	47.0	42.5	05:35 PM - 05:40 PM	46.4	41.3
12:20 PM - 12:25 PM	41.8	38.8	03:00 PM - 03:05 PM	46.2	42.8	05:40 PM - 05:45 PM	47.3	41.5
12:25 PM - 12:30 PM	47.6	39.8	03:05 PM - 03:10 PM	49.0	45.6	05:45 PM - 05:50 PM	48.2	42.4
12:30 PM - 12:35 PM	49.4	42.6	03:10 PM - 03:15 PM	57.8	46.2	05:50 PM - 05:55 PM	46.5	42.3
12:35 PM - 12:40 PM	44.5	40.7	03:15 PM - 03:20 PM	54.7	44.8	05:55 PM - 06:00 PM	48.0	45.2

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588964-1

Page 2 of 3

Sample Number 2635082-9
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางหลวง (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level meter Serial No. 1120936

May 23, 2026	Leq	L90	May 23, 2026	Leq	L90	May 23 - May 24, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	47.5	45.4	08:40 PM - 08:45 PM	46.9	44.8	11:20 PM - 11:25 PM	47.5	46.3
06:05 PM - 06:10 PM	51.1	46.1	08:45 PM - 08:50 PM	48.1	46.2	11:25 PM - 11:30 PM	47.3	46.2
06:10 PM - 06:15 PM	52.1	49.6	08:50 PM - 08:55 PM	46.8	45.3	11:30 PM - 11:35 PM	46.6	45.3
06:15 PM - 06:20 PM	50.3	47.3	08:55 PM - 09:00 PM	47.0	45.8	11:35 PM - 11:40 PM	48.1	45.7
06:20 PM - 06:25 PM	59.0	45.4	09:00 PM - 09:05 PM	49.1	45.8	11:40 PM - 11:45 PM	45.8	45.4
06:25 PM - 06:30 PM	47.8	44.9	09:05 PM - 09:10 PM	47.4	46.1	11:45 PM - 11:50 PM	46.2	45.1
06:30 PM - 06:35 PM	47.1	44.5	09:10 PM - 09:15 PM	46.9	45.6	11:50 PM - 11:55 PM	46.5	45.3
06:35 PM - 06:40 PM	49.4	46.0	09:15 PM - 09:20 PM	48.7	46.2	11:55 PM - 12:00 AM	46.7	45.3
06:40 PM - 06:45 PM	49.1	44.7	09:20 PM - 09:25 PM	47.6	46.2	12:00 AM - 12:05 AM	47.2	45.3
06:45 PM - 06:50 PM	47.8	45.0	09:25 PM - 09:30 PM	47.1	45.0	12:05 AM - 12:10 AM	46.9	45.5
06:50 PM - 06:55 PM	47.8	45.9	09:30 PM - 09:35 PM	47.0	45.7	12:10 AM - 12:15 AM	46.6	45.4
06:55 PM - 07:00 PM	50.1	46.5	09:35 PM - 09:40 PM	48.5	46.5	12:15 AM - 12:20 AM	46.7	45.5
07:00 PM - 07:05 PM	52.0	48.3	09:40 PM - 09:45 PM	48.9	46.6	12:20 AM - 12:25 AM	45.9	44.9
07:05 PM - 07:10 PM	51.8	49.2	09:45 PM - 09:50 PM	48.0	46.5	12:25 AM - 12:30 AM	47.5	45.4
07:10 PM - 07:15 PM	51.5	49.8	09:50 PM - 09:55 PM	47.5	46.0	12:30 AM - 12:35 AM	46.5	45.2
07:15 PM - 07:20 PM	53.0	49.6	09:55 PM - 10:00 PM	47.2	46.1	12:35 AM - 12:40 AM	47.1	44.6
07:20 PM - 07:25 PM	50.2	49.1	10:00 PM - 10:05 PM	47.3	46.1	12:40 AM - 12:45 AM	47.2	44.6
07:25 PM - 07:30 PM	49.4	48.2	10:05 PM - 10:10 PM	47.8	46.5	12:45 AM - 12:50 AM	46.0	44.8
07:30 PM - 07:35 PM	49.1	48.0	10:10 PM - 10:15 PM	47.4	46.2	12:50 AM - 12:55 AM	47.1	44.7
07:35 PM - 07:40 PM	52.1	47.9	10:15 PM - 10:20 PM	47.8	46.5	12:55 AM - 01:00 AM	46.9	44.9
07:40 PM - 07:45 PM	49.2	48.0	10:20 PM - 10:25 PM	48.5	47.0	01:00 AM - 01:05 AM	45.9	44.7
07:45 PM - 07:50 PM	49.0	47.6	10:25 PM - 10:30 PM	49.1	45.9	01:05 AM - 01:10 AM	46.7	44.2
07:50 PM - 07:55 PM	49.5	48.0	10:30 PM - 10:35 PM	47.4	45.7	01:10 AM - 01:15 AM	46.0	44.9
07:55 PM - 08:00 PM	49.8	47.8	10:35 PM - 10:40 PM	47.0	45.4	01:15 AM - 01:20 AM	46.8	45.0
08:00 PM - 08:05 PM	48.0	46.8	10:40 PM - 10:45 PM	46.2	44.9	01:20 AM - 01:25 AM	47.7	45.1
08:05 PM - 08:10 PM	50.4	48.8	10:45 PM - 10:50 PM	46.2	44.2	01:25 AM - 01:30 AM	46.4	44.3
08:10 PM - 08:15 PM	49.7	47.2	10:50 PM - 10:55 PM	45.1	43.7	01:30 AM - 01:35 AM	47.9	44.8
08:15 PM - 08:20 PM	50.4	47.9	10:55 PM - 11:00 PM	47.6	44.0	01:35 AM - 01:40 AM	48.6	44.8
08:20 PM - 08:25 PM	50.2	48.3	11:00 PM - 11:05 PM	46.1	44.5	01:40 AM - 01:45 AM	47.3	44.1
08:25 PM - 08:30 PM	50.0	47.9	11:05 PM - 11:10 PM	46.1	45.0	01:45 AM - 01:50 AM	46.7	44.3
08:30 PM - 08:35 PM	49.6	47.3	11:10 PM - 11:15 PM	46.8	45.1	01:50 AM - 01:55 AM	47.1	44.5
08:35 PM - 08:40 PM	49.1	46.6	11:15 PM - 11:20 PM	46.7	45.5	01:55 AM - 02:00 AM	47.3	44.3

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Approved by

Sarayuht Jittrarat
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588964-1

Page 3 of 3

Sample Number 2635082-9
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางหลวง (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level meter Serial No. 1120936

May 24, 2026	Leq	L90	May 24, 2026	Leq	L90	May 24, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	46.9	44.3	04:40 AM - 04:45 AM	47.6	44.9	07:20 AM - 07:25 AM	52.4	42.8
02:05 AM - 02:10 AM	47.7	45.1	04:45 AM - 04:50 AM	47.2	43.0	07:25 AM - 07:30 AM	45.9	41.5
02:10 AM - 02:15 AM	47.5	44.5	04:50 AM - 04:55 AM	49.2	43.1	07:30 AM - 07:35 AM	51.9	43.9
02:15 AM - 02:20 AM	48.3	46.4	04:55 AM - 05:00 AM	47.9	43.1	07:35 AM - 07:40 AM	47.9	41.2
02:20 AM - 02:25 AM	48.6	44.4	05:00 AM - 05:05 AM	49.6	44.8	07:40 AM - 07:45 AM	52.6	43.1
02:25 AM - 02:30 AM	46.7	45.5	05:05 AM - 05:10 AM	49.1	44.8	07:45 AM - 07:50 AM	53.8	46.7
02:30 AM - 02:35 AM	47.2	45.3	05:10 AM - 05:15 AM	49.8	45.8	07:50 AM - 07:55 AM	55.0	49.5
02:35 AM - 02:40 AM	47.8	44.9	05:15 AM - 05:20 AM	49.0	45.9	07:55 AM - 08:00 AM	59.6	53.5
02:40 AM - 02:45 AM	47.8	45.2	05:20 AM - 05:25 AM	47.8	44.0	08:00 AM - 08:05 AM	54.8	49.9
02:45 AM - 02:50 AM	47.8	44.3	05:25 AM - 05:30 AM	48.2	45.1	08:05 AM - 08:10 AM	47.7	45.2
02:50 AM - 02:55 AM	48.7	44.5	05:30 AM - 05:35 AM	49.4	47.2	08:10 AM - 08:15 AM	52.3	46.9
02:55 AM - 03:00 AM	47.4	45.0	05:35 AM - 05:40 AM	49.1	47.3	08:15 AM - 08:20 AM	52.0	47.7
03:00 AM - 03:05 AM	49.8	46.3	05:40 AM - 05:45 AM	50.9	47.5	08:20 AM - 08:25 AM	48.8	43.4
03:05 AM - 03:10 AM	49.7	44.6	05:45 AM - 05:50 AM	52.1	47.7	08:25 AM - 08:30 AM	47.4	42.3
03:10 AM - 03:15 AM	48.2	43.7	05:50 AM - 05:55 AM	51.1	47.0	08:30 AM - 08:35 AM	47.8	42.5
03:15 AM - 03:20 AM	48.8	43.4	05:55 AM - 06:00 AM	49.1	47.2	08:35 AM - 08:40 AM	50.0	42.0
03:20 AM - 03:25 AM	47.3	43.1	06:00 AM - 06:05 AM	49.2	47.3	08:40 AM - 08:45 AM	48.4	41.5
03:25 AM - 03:30 AM	48.6	43.1	06:05 AM - 06:10 AM	49.8	47.4	08:45 AM - 08:50 AM	48.5	41.9
03:30 AM - 03:35 AM	45.1	43.2	06:10 AM - 06:15 AM	49.6	47.1	08:50 AM - 08:55 AM	50.9	41.7
03:35 AM - 03:40 AM	44.9	43.0	06:15 AM - 06:20 AM	50.6	44.7	08:55 AM - 09:00 AM	58.0	39.0
03:40 AM - 03:45 AM	45.1	43.1	06:20 AM - 06:25 AM	51.0	44.4	09:00 AM - 09:05 AM	60.0	54.8
03:45 AM - 03:50 AM	46.5	43.0	06:25 AM - 06:30 AM	49.0	43.6	09:05 AM - 09:10 AM	56.7	55.0
03:50 AM - 03:55 AM	46.7	43.7	06:30 AM - 06:35 AM	49.4	43.6	09:10 AM - 09:15 AM	59.2	54.6
03:55 AM - 04:00 AM	44.4	42.9	06:35 AM - 06:40 AM	50.5	42.5	09:15 AM - 09:20 AM	56.4	49.2
04:00 AM - 04:05 AM	44.7	42.1	06:40 AM - 06:45 AM	55.2	43.3	09:20 AM - 09:25 AM	51.4	49.5
04:05 AM - 04:10 AM	47.2	42.5	06:45 AM - 06:50 AM	50.6	43.2	09:25 AM - 09:30 AM	53.8	50.0
04:10 AM - 04:15 AM	45.6	42.5	06:50 AM - 06:55 AM	49.5	43.0	09:30 AM - 09:35 AM	54.8	49.6
04:15 AM - 04:20 AM	48.0	43.1	06:55 AM - 07:00 AM	49.3	42.0	09:35 AM - 09:40 AM	49.3	44.5
04:20 AM - 04:25 AM	47.5	43.5	07:00 AM - 07:05 AM	49.5	41.1	09:40 AM - 09:45 AM	56.4	41.6
04:25 AM - 04:30 AM	49.4	44.4	07:05 AM - 07:10 AM	48.0	42.3	09:45 AM - 09:50 AM	50.7	43.1
04:30 AM - 04:35 AM	48.1	44.4	07:10 AM - 07:15 AM	50.8	43.8	09:50 AM - 09:55 AM	45.2	41.2
04:35 AM - 04:40 AM	49.0	45.1	07:15 AM - 07:20 AM	54.9	51.8	09:55 AM - 1:00 AM	49.1	42.7



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received : Jun 04, 2026
Date Reported : Jun 08, 2026
Report Number : 3588965-1

Page 2 of 3

Sample Number 2635082-10
Parameter Noise Level (Leq 5 min)
Location พื้นที่โรงงาน/ท่าเรือ/ถนน/สวน (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 24, 2026	Leq	L90	May 24, 2026	Leq	L90	May 24 - May 25, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	47.5	42.7	08:40 PM - 08:45 PM	48.4	45.0	11:20 PM - 11:25 PM	45.6	44.2
06:05 PM - 06:10 PM	50.1	44.5	08:45 PM - 08:50 PM	46.8	44.0	11:25 PM - 11:30 PM	45.7	43.9
06:10 PM - 06:15 PM	48.0	45.0	08:50 PM - 08:55 PM	46.4	43.8	11:30 PM - 11:35 PM	45.8	43.8
06:15 PM - 06:20 PM	46.7	44.2	08:55 PM - 09:00 PM	47.2	45.0	11:35 PM - 11:40 PM	45.0	43.3
06:20 PM - 06:25 PM	46.7	43.9	09:00 PM - 09:05 PM	47.3	45.5	11:40 PM - 11:45 PM	44.4	42.8
06:25 PM - 06:30 PM	46.4	43.7	09:05 PM - 09:10 PM	47.3	45.5	11:45 PM - 11:50 PM	45.5	43.9
06:30 PM - 06:35 PM	49.0	44.1	09:10 PM - 09:15 PM	47.0	45.1	11:50 PM - 11:55 PM	46.3	44.5
06:35 PM - 06:40 PM	45.8	43.5	09:15 PM - 09:20 PM	47.3	45.4	11:55 PM - 12:00 AM	45.2	43.3
06:40 PM - 06:45 PM	46.2	43.7	09:20 PM - 09:25 PM	48.2	45.3	12:00 AM - 12:05 AM	45.3	43.8
06:45 PM - 06:50 PM	45.7	43.8	09:25 PM - 09:30 PM	46.8	44.5	12:05 AM - 12:10 AM	45.2	43.5
06:50 PM - 06:55 PM	45.5	43.3	09:30 PM - 09:35 PM	46.1	43.9	12:10 AM - 12:15 AM	45.4	43.3
06:55 PM - 07:00 PM	46.3	43.5	09:35 PM - 09:40 PM	46.6	45.3	12:15 AM - 12:20 AM	46.7	44.0
07:00 PM - 07:05 PM	48.8	45.3	09:40 PM - 09:45 PM	47.3	46.0	12:20 AM - 12:25 AM	46.4	44.0
07:05 PM - 07:10 PM	48.6	46.1	09:45 PM - 09:50 PM	48.4	45.0	12:25 AM - 12:30 AM	46.1	43.7
07:10 PM - 07:15 PM	49.0	47.1	09:50 PM - 09:55 PM	47.5	45.5	12:30 AM - 12:35 AM	45.3	43.3
07:15 PM - 07:20 PM	49.4	47.9	09:55 PM - 10:00 PM	47.6	45.8	12:35 AM - 12:40 AM	44.8	42.7
07:20 PM - 07:25 PM	57.2	49.8	10:00 PM - 10:05 PM	47.6	46.0	12:40 AM - 12:45 AM	44.4	42.4
07:25 PM - 07:30 PM	50.3	48.9	10:05 PM - 10:10 PM	47.2	45.6	12:45 AM - 12:50 AM	44.9	42.5
07:30 PM - 07:35 PM	49.4	47.4	10:10 PM - 10:15 PM	45.5	42.3	12:50 AM - 12:55 AM	45.5	43.0
07:35 PM - 07:40 PM	48.9	46.5	10:15 PM - 10:20 PM	45.8	43.3	12:55 AM - 01:00 AM	44.6	42.5
07:40 PM - 07:45 PM	48.0	45.8	10:20 PM - 10:25 PM	45.0	42.2	01:00 AM - 01:05 AM	44.6	42.5
07:45 PM - 07:50 PM	47.9	45.0	10:25 PM - 10:30 PM	47.5	43.0	01:05 AM - 01:10 AM	45.2	42.6
07:50 PM - 07:55 PM	47.1	44.9	10:30 PM - 10:35 PM	45.6	42.9	01:10 AM - 01:15 AM	43.9	42.1
07:55 PM - 08:00 PM	49.7	45.5	10:35 PM - 10:40 PM	45.7	42.8	01:15 AM - 01:20 AM	45.2	42.8
08:00 PM - 08:05 PM	48.0	45.7	10:40 PM - 10:45 PM	43.6	41.7	01:20 AM - 01:25 AM	45.3	42.2
08:05 PM - 08:10 PM	47.6	44.9	10:45 PM - 10:50 PM	42.1	40.9	01:25 AM - 01:30 AM	46.2	43.6
08:10 PM - 08:15 PM	45.6	44.2	10:50 PM - 10:55 PM	42.8	41.4	01:30 AM - 01:35 AM	45.3	42.7
08:15 PM - 08:20 PM	46.2	43.8	10:55 PM - 11:00 PM	42.7	41.4	01:35 AM - 01:40 AM	45.6	43.5
08:20 PM - 08:25 PM	48.1	46.4	11:00 PM - 11:05 PM	43.4	42.0	01:40 AM - 01:45 AM	45.7	44.0
08:25 PM - 08:30 PM	48.5	45.7	11:05 PM - 11:10 PM	43.6	42.2	01:45 AM - 01:50 AM	46.0	44.0
08:30 PM - 08:35 PM	48.3	45.9	11:10 PM - 11:15 PM	45.2	43.0	01:50 AM - 01:55 AM	45.4	43.2
08:35 PM - 08:40 PM	49.4	44.4	11:15 PM - 11:20 PM	44.8	43.1	01:55 AM - 02:00 AM	43.6	41.2

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.

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Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received : Jun 04, 2026
Date Reported : Jun 08, 2026
Report Number : 3588965-1

Page 3 of 3

Sample Number 2635082-10
Parameter Noise Level (Leq 5 min)
Location พื้นที่โรงงาน/ท่าเรือ/ถนน/สวน (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 25, 2026	Leq	L90	May 25, 2026	Leq	L90	May 25, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	56.3	41.1	04:40 AM - 04:45 AM	51.7	43.5	07:20 AM - 07:25 AM	50.5	44.3
02:05 AM - 02:10 AM	68.7	42.7	04:45 AM - 04:50 AM	52.7	46.3	07:25 AM - 07:30 AM	51.4	44.6
02:10 AM - 02:15 AM	61.0	57.7	04:50 AM - 04:55 AM	54.0	51.0	07:30 AM - 07:35 AM	50.4	44.8
02:15 AM - 02:20 AM	58.7	54.8	04:55 AM - 05:00 AM	52.8	49.0	07:35 AM - 07:40 AM	51.8	46.4
02:20 AM - 02:25 AM	54.5	49.5	05:00 AM - 05:05 AM	52.4	48.3	07:40 AM - 07:45 AM	57.9	45.5
02:25 AM - 02:30 AM	53.9	48.0	05:05 AM - 05:10 AM	52.5	46.4	07:45 AM - 07:50 AM	54.6	46.2
02:30 AM - 02:35 AM	54.9	49.7	05:10 AM - 05:15 AM	51.5	46.5	07:50 AM - 07:55 AM	56.2	48.2
02:35 AM - 02:40 AM	67.2	46.6	05:15 AM - 05:20 AM	53.7	47.7	07:55 AM - 08:00 AM	59.8	56.0
02:40 AM - 02:45 AM	69.2	48.6	05:20 AM - 05:25 AM	53.8	46.9	08:00 AM - 08:05 AM	51.0	54.2
02:45 AM - 02:50 AM	63.3	43.9	05:25 AM - 05:30 AM	53.7	47.2	08:05 AM - 08:10 AM	53.7	50.2
02:50 AM - 02:55 AM	69.8	43.7	05:30 AM - 05:35 AM	54.4	48.6	08:10 AM - 08:15 AM	52.4	50.9
02:55 AM - 03:00 AM	68.9	46.7	05:35 AM - 05:40 AM	54.1	48.7	08:15 AM - 08:20 AM	52.2	50.7
03:00 AM - 03:05 AM	67.9	64.1	05:40 AM - 05:45 AM	53.5	48.1	08:20 AM - 08:25 AM	54.7	50.8
03:05 AM - 03:10 AM	63.0	60.4	05:45 AM - 05:50 AM	53.9	49.2	08:25 AM - 08:30 AM	51.7	49.9
03:10 AM - 03:15 AM	61.1	59.1	05:50 AM - 05:55 AM	53.8	49.1	08:30 AM - 08:35 AM	46.8	42.1
03:15 AM - 03:20 AM	58.6	55.8	05:55 AM - 06:00 AM	53.7	48.4	08:35 AM - 08:40 AM	49.0	44.6
03:20 AM - 03:25 AM	55.5	53.2	06:00 AM - 06:05 AM	56.0	48.0	08:40 AM - 08:45 AM	47.6	44.0
03:25 AM - 03:30 AM	53.7	50.4	06:05 AM - 06:10 AM	54.7	49.5	08:45 AM - 08:50 AM	51.0	45.0
03:30 AM - 03:35 AM	53.2	48.7	06:10 AM - 06:15 AM	54.1	48.7	08:50 AM - 08:55 AM	51.0	46.7
03:35 AM - 03:40 AM	53.0	47.5	06:15 AM - 06:20 AM	53.6	46.9	08:55 AM - 09:00 AM	53.9	45.0
03:40 AM - 03:45 AM	52.2	46.1	06:20 AM - 06:25 AM	52.5	46.0	09:00 AM - 09:05 AM	52.3	43.7
03:45 AM - 03:50 AM	50.3	44.1	06:25 AM - 06:30 AM	53.2	47.1	09:05 AM - 09:10 AM	47.1	42.9
03:50 AM - 03:55 AM	49.2	42.0	06:30 AM - 06:35 AM	53.8	46.8	09:10 AM - 09:15 AM	51.7	45.3
03:55 AM - 04:00 AM	50.1	43.3	06:35 AM - 06:40 AM	52.9	46.5	09:15 AM - 09:20 AM	57.7	47.0
04:00 AM - 04:05 AM	48.0	43.2	06:40 AM - 06:45 AM	51.9	45.1	09:20 AM - 09:25 AM	54.1	45.2
04:05 AM - 04:10 AM	47.0	42.7	06:45 AM - 06:50 AM	52.2	45.6	09:25 AM - 09:30 AM	51.8	43.9
04:10 AM - 04:15 AM	48.2	42.3	06:50 AM - 06:55 AM	52.9	46.5	09:30 AM - 09:35 AM	52.2	44.7
04:15 AM - 04:20 AM	48.4	43.0	06:55 AM - 07:00 AM	52.0	47.1	09:35 AM - 09:40 AM	49.9	43.5
04:20 AM - 04:25 AM	47.5	42.7	07:00 AM - 07:05 AM	51.2	45.5	09:40 AM - 09:45 AM	49.0	44.1
04:25 AM - 04:30 AM	49.9	42.8	07:05 AM - 07:10 AM	49.9	45.1	09:45 AM - 09:50 AM	50.6	44.1
04:30 AM - 04:35 AM	49.4	43.8	07:10 AM - 07:15 AM	51.7	44.6	09:50 AM - 09:55 AM	51.9	44.3
04:35 AM - 04:40 AM	51.0	43.6	07:15 AM - 07:20 AM	51.0	44.8	09:55 AM - 10:00 AM	49.0	43.1

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received : Jun 04, 2026
Date Reported : Jun 08, 2026
Report Number : 3588966-1

Page 1 of 3

Sample Number 2635082-11
Parameter Noise Level (Leq 5 min)
Location พื้นที่โรงงาน/ท่าเรือ/ถนน/สวน (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 25, 2026	Leq	L90	May 25, 2026	Leq	L90	May 25, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 AM - 10:05 AM	50.4	43.0	12:40 PM - 12:45 PM	46.5	38.1	03:20 PM - 03:25 PM	51.2	47.5
10:05 AM - 10:10 AM	47.1	38.2	12:45 PM - 12:50 PM	46.5	41.1	03:25 PM - 03:30 PM	48.8	45.2
10:10 AM - 10:15 AM	47.6	40.2	12:50 PM - 12:55 PM	43.6	38.8	03:30 PM - 03:35 PM	50.3	46.7
10:15 AM - 10:20 AM	49.4	42.7	12:55 PM - 01:00 PM	46.5	39.1	03:35 PM - 03:40 PM	49.2	44.6
10:20 AM - 10:25 AM	54.2	41.4	01:00 PM - 01:05 PM	47.6	41.3	03:40 PM - 03:45 PM	51.3	44.2
10:25 AM - 10:30 AM	52.1	39.9	01:05 PM - 01:10 PM	50.0	42.0	03:45 PM - 03:50 PM	50.4	46.3
10:30 AM - 10:35 AM	50.4	42.9	01:10 PM - 01:15 PM	50.0	43.2	03:50 PM - 03:55 PM	47.6	43.5
10:35 AM - 10:40 AM	55.6	40.8	01:15 PM - 01:20 PM	49.8	46.7	03:55 PM - 04:00 PM	49.8	44.8
10:40 AM - 10:45 AM	50.8	38.2	01:20 PM - 01:25 PM	46.7	43.8	04:00 PM - 04:05 PM	47.8	43.6
10:45 AM - 10:50 AM	45.6	40.9	01:25 PM - 01:30 PM	50.7	46.9	04:05 PM - 04:10 PM	48.0	44.6
10:50 AM - 10:55 AM	42.5	38.2	01:30 PM - 01:35 PM	49.8	45.6	04:10 PM - 04:15 PM	50.2	46.0
10:55 AM - 11:00 AM	46.0	38.0	01:35 PM - 01:40 PM	51.5	44.5	04:15 PM - 04:20 PM	49.5	44.4
11:00 AM - 11:05 AM	47.5	43.0	01:40 PM - 01:45 PM	49.4	45.2	04:20 PM - 04:25 PM	51.4	47.4
11:05 AM - 11:10 AM	55.2	42.7	01:45 PM - 01:50 PM	48.7	44.5	04:25 PM - 04:30 PM	50.0	45.1
11:10 AM - 11:15 AM	52.5	43.1	01:50 PM - 01:55 PM	49.7	45.8	04:30 PM - 04:35 PM	48.7	44.8
11:15 AM - 11:20 AM	44.1	41.1	01:55 PM - 02:00 PM	49.4	43.0	04:35 PM - 04:40 PM	51.0	46.5
11:20 AM - 11:25 AM	46.5	42.2	02:00 PM - 02:05 PM	48.6	43.6	04:40 PM - 04:45 PM	49.5	44.4
11:25 AM - 11:30 AM	46.6	42.8	02:05 PM - 02:10 PM	50.1	44.8	04:45 PM - 04:50 PM	54.9	45.9
11:30 AM - 11:35 AM	53.9	43.3	02:10 PM - 02:15 PM	48.7	42.6	04:50 PM - 04:55 PM	49.9	44.3
11:35 AM - 11:40 AM	53.0	40.8	02:15 PM - 02:20 PM	48.8	45.0	04:55 PM - 05:00 PM	54.1	48.7
11:40 AM - 11:45 AM	49.7	40.6	02:20 PM - 02:25 PM	46.7	40.7	05:00 PM - 05:05 PM	56.0	49.1
11:45 AM - 11:50 AM	49.6	41.8	02:25 PM - 02:30 PM	46.7	43.6	05:05 PM - 05:10 PM	54.4	51.2
11:50 AM - 11:55 AM	52.8	42.6	02:30 PM - 02:35 PM	49.0	43.7	05:10 PM - 05:15 PM	56.4	44.2
11:55 AM - 12:00 PM	50.0	43.1	02:35 PM - 02:40 PM	49.5	43.6	05:15 PM - 05:20 PM	48.1	44.0
12:00 PM - 12:05 PM	50.4	41.5	02:40 PM - 02:45 PM	49.5	44.4	05:20 PM - 05:25 PM	49.6	43.4
12:05 PM - 12:10 PM	46.8	42.4	02:45 PM - 02:50 PM	50.0	45.1	05:25 PM - 05:30 PM	46.2	41.2
12:10 PM - 12:15 PM	46.3	42.3	02:50 PM - 02:55 PM	47.7	43.1	05:30 PM - 05:35 PM	48.5	41.8
12:15 PM - 12:20 PM	48.7	41.0	02:55 PM - 03:00 PM	49.0	43.8	05:35 PM - 05:40 PM	45.6	41.6
12:20 PM - 12:25 PM	47.6	43.3	03:00 PM - 03:05 PM	49.2	44.7	05:40 PM - 05:45 PM	46.4	41.1
12:25 PM - 12:30 PM	46.1	41.5	03:05 PM - 03:10 PM	50.8	45.4	05:45 PM - 05:50 PM	45.5	43.1
12:30 PM - 12:35 PM	46.1	39.3	03:10 PM - 03:15 PM	51.4	45.0	05:50 PM - 05:55 PM	44.5	41.7
12:35 PM - 12:40 PM	49.0	40.0	03:15 PM - 03:20 PM	53.9	46.3	05:55 PM - 06:00 PM	44.5	41.7



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588967-1

Page 3 of 3

Sample Number 2635082-11
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 26, 2026 Time	Leq dB(A)	L90 dB(A)	May 26, 2026 Time	Leq dB(A)	L90 dB(A)	May 26, 2026 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	46.9	44.2	04:40 AM - 04:45 AM	50.1	43.9	07:20 AM - 07:25 AM	48.5	44.1
02:05 AM - 02:10 AM	47.3	44.3	04:45 AM - 04:50 AM	50.0	44.2	07:25 AM - 07:30 AM	45.7	43.5
02:10 AM - 02:15 AM	49.5	44.2	04:50 AM - 04:55 AM	50.3	44.5	07:30 AM - 07:35 AM	46.6	43.5
02:15 AM - 02:20 AM	47.1	43.9	04:55 AM - 05:00 AM	49.8	44.0	07:35 AM - 07:40 AM	53.2	46.5
02:20 AM - 02:25 AM	48.6	43.7	05:00 AM - 05:05 AM	50.5	44.6	07:40 AM - 07:45 AM	58.1	55.1
02:25 AM - 02:30 AM	48.9	43.3	05:05 AM - 05:10 AM	51.9	45.3	07:45 AM - 07:50 AM	56.1	55.0
02:30 AM - 02:35 AM	49.3	43.9	05:10 AM - 05:15 AM	51.1	44.7	07:50 AM - 07:55 AM	58.9	48.1
02:35 AM - 02:40 AM	48.9	43.2	05:15 AM - 05:20 AM	50.5	44.5	07:55 AM - 08:00 AM	52.9	44.9
02:40 AM - 02:45 AM	49.8	43.8	05:20 AM - 05:25 AM	51.5	47.0	08:00 AM - 08:05 AM	55.4	48.4
02:45 AM - 02:50 AM	51.5	44.5	05:25 AM - 05:30 AM	51.8	48.7	08:05 AM - 08:10 AM	52.4	48.1
02:50 AM - 02:55 AM	51.7	48.7	05:30 AM - 05:35 AM	51.4	49.5	08:10 AM - 08:15 AM	49.7	44.9
02:55 AM - 03:00 AM	51.5	47.9	05:35 AM - 05:40 AM	53.2	49.8	08:15 AM - 08:20 AM	50.7	47.1
03:00 AM - 03:05 AM	52.3	49.4	05:40 AM - 05:45 AM	50.9	47.2	08:20 AM - 08:25 AM	52.5	46.1
03:05 AM - 03:10 AM	53.3	50.8	05:45 AM - 05:50 AM	51.2	49.4	08:25 AM - 08:30 AM	51.5	44.8
03:10 AM - 03:15 AM	52.5	48.5	05:50 AM - 05:55 AM	51.1	49.0	08:30 AM - 08:35 AM	49.5	45.9
03:15 AM - 03:20 AM	53.8	50.5	05:55 AM - 06:00 AM	51.1	47.9	08:35 AM - 08:40 AM	49.5	48.2
03:20 AM - 03:25 AM	54.5	52.2	06:00 AM - 06:05 AM	50.7	46.0	08:40 AM - 08:45 AM	51.1	48.8
03:25 AM - 03:30 AM	54.1	51.7	06:05 AM - 06:10 AM	51.2	45.6	08:45 AM - 08:50 AM	53.6	47.7
03:30 AM - 03:35 AM	53.8	51.1	06:10 AM - 06:15 AM	50.4	44.6	08:50 AM - 08:55 AM	51.5	49.0
03:35 AM - 03:40 AM	53.7	51.1	06:15 AM - 06:20 AM	50.5	44.7	08:55 AM - 09:00 AM	53.1	49.9
03:40 AM - 03:45 AM	52.6	48.7	06:20 AM - 06:25 AM	50.2	44.4	09:00 AM - 09:05 AM	56.3	49.4
03:45 AM - 03:50 AM	51.9	47.6	06:25 AM - 06:30 AM	50.3	44.4	09:05 AM - 09:10 AM	56.1	49.6
03:50 AM - 03:55 AM	51.4	44.3	06:30 AM - 06:35 AM	51.0	45.0	09:10 AM - 09:15 AM	52.0	49.6
03:55 AM - 04:00 AM	52.3	47.5	06:35 AM - 06:40 AM	49.2	44.4	09:15 AM - 09:20 AM	53.8	49.9
04:00 AM - 04:05 AM	51.8	48.8	06:40 AM - 06:45 AM	48.9	44.6	09:20 AM - 09:25 AM	53.9	50.6
04:05 AM - 04:10 AM	51.8	47.3	06:45 AM - 06:50 AM	49.5	44.7	09:25 AM - 09:30 AM	53.8	46.5
04:10 AM - 04:15 AM	54.2	49.8	06:50 AM - 06:55 AM	57.4	44.6	09:30 AM - 09:35 AM	51.0	46.0
04:15 AM - 04:20 AM	53.3	50.6	06:55 AM - 07:00 AM	51.6	44.0	09:35 AM - 09:40 AM	53.5	49.4
04:20 AM - 04:25 AM	53.6	51.1	07:00 AM - 07:05 AM	52.6	44.7	09:40 AM - 09:45 AM	52.6	46.5
04:25 AM - 04:30 AM	53.4	50.4	07:05 AM - 07:10 AM	53.3	45.1	09:45 AM - 09:50 AM	53.7	46.2
04:30 AM - 04:35 AM	51.7	47.2	07:10 AM - 07:15 AM	53.0	50.1	09:50 AM - 09:55 AM	53.4	49.6
04:35 AM - 04:40 AM	50.8	44.7	07:15 AM - 07:20 AM	47.0	44.4	09:55 AM - 10:00 AM	54.4	48.3

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588967-1

Page 3 of 3

Sample Number 2635082-12
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 26, 2026 Time	Leq dB(A)	L90 dB(A)	May 26, 2026 Time	Leq dB(A)	L90 dB(A)	May 26, 2026 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	55.7	48.7	12:40 PM - 12:45 PM	48.3	43.9	03:20 PM - 03:25 PM	57.7	47.9
10:05 AM - 10:10 AM	56.5	51.7	12:45 PM - 12:50 PM	50.8	45.8	03:25 PM - 03:30 PM	55.9	46.7
10:10 AM - 10:15 AM	56.4	49.1	12:50 PM - 12:55 PM	51.1	46.2	03:30 PM - 03:35 PM	54.0	50.4
10:15 AM - 10:20 AM	57.3	51.4	12:55 PM - 01:00 PM	52.3	45.6	03:35 PM - 03:40 PM	52.0	48.0
10:20 AM - 10:25 AM	57.4	51.1	01:00 PM - 01:05 PM	48.8	45.1	03:40 PM - 03:45 PM	55.5	48.4
10:25 AM - 10:30 AM	56.7	52.8	01:05 PM - 01:10 PM	56.6	46.5	03:45 PM - 03:50 PM	55.6	48.2
10:30 AM - 10:35 AM	57.2	51.8	01:10 PM - 01:15 PM	58.4	56.3	03:50 PM - 03:55 PM	57.5	49.3
10:35 AM - 10:40 AM	59.2	49.9	01:15 PM - 01:20 PM	57.1	53.7	03:55 PM - 04:00 PM	51.0	48.1
10:40 AM - 10:45 AM	54.5	49.1	01:20 PM - 01:25 PM	55.3	50.9	04:00 PM - 04:05 PM	50.6	48.6
10:45 AM - 10:50 AM	51.8	47.0	01:25 PM - 01:30 PM	59.0	55.2	04:05 PM - 04:10 PM	56.5	48.3
10:50 AM - 10:55 AM	50.8	47.6	01:30 PM - 01:35 PM	59.9	52.8	04:10 PM - 04:15 PM	50.7	48.5
10:55 AM - 11:00 AM	54.0	49.2	01:35 PM - 01:40 PM	57.1	50.7	04:15 PM - 04:20 PM	50.9	48.6
11:00 AM - 11:05 AM	56.2	52.5	01:40 PM - 01:45 PM	57.4	51.1	04:20 PM - 04:25 PM	52.2	50.1
11:05 AM - 11:10 AM	55.2	51.4	01:45 PM - 01:50 PM	59.6	50.9	04:25 PM - 04:30 PM	59.3	48.5
11:10 AM - 11:15 AM	54.7	52.5	01:50 PM - 01:55 PM	56.0	48.0	04:30 PM - 04:35 PM	58.4	45.6
11:15 AM - 11:20 AM	57.3	49.6	01:55 PM - 02:00 PM	49.3	47.3	04:35 PM - 04:40 PM	50.1	41.7
11:20 AM - 11:25 AM	55.7	51.5	02:00 PM - 02:05 PM	52.9	47.9	04:40 PM - 04:45 PM	54.2	43.0
11:25 AM - 11:30 AM	56.1	51.5	02:05 PM - 02:10 PM	56.1	45.8	04:45 PM - 04:50 PM	53.9	44.9
11:30 AM - 11:35 AM	56.6	50.0	02:10 PM - 02:15 PM	48.4	43.7	04:50 PM - 04:55 PM	56.1	43.8
11:35 AM - 11:40 AM	50.0	44.3	02:15 PM - 02:20 PM	53.5	42.7	04:55 PM - 05:00 PM	56.2	50.2
11:40 AM - 11:45 AM	49.5	45.7	02:20 PM - 02:25 PM	48.8	44.4	05:00 PM - 05:05 PM	49.7	43.2
11:45 AM - 11:50 AM	52.6	47.8	02:25 PM - 02:30 PM	54.4	46.4	05:05 PM - 05:10 PM	48.5	42.1
11:50 AM - 11:55 AM	50.5	44.2	02:30 PM - 02:35 PM	55.2	44.9	05:10 PM - 05:15 PM	47.9	41.2
11:55 AM - 12:00 PM	50.0	43.8	02:35 PM - 02:40 PM	52.2	46.5	05:15 PM - 05:20 PM	54.2	41.9
12:00 PM - 12:05 PM	51.0	43.9	02:40 PM - 02:45 PM	53.0	45.3	05:20 PM - 05:25 PM	52.9	42.8
12:05 PM - 12:10 PM	46.3	42.9	02:45 PM - 02:50 PM	59.7	45.2	05:25 PM - 05:30 PM	44.4	41.3
12:10 PM - 12:15 PM	47.6	44.1	02:50 PM - 02:55 PM	52.1	46.9	05:30 PM - 05:35 PM	43.7	41.4
12:15 PM - 12:20 PM	47.9	44.1	02:55 PM - 03:00 PM	51.1	45.6	05:35 PM - 05:40 PM	52.0	42.0
12:20 PM - 12:25 PM	46.4	43.9	03:00 PM - 03:05 PM	51.3	45.6	05:40 PM - 05:45 PM	51.1	43.2
12:25 PM - 12:30 PM	47.8	44.8	03:05 PM - 03:10 PM	49.3	46.5	05:45 PM - 05:50 PM	46.3	43.2
12:30 PM - 12:35 PM	48.9	45.7	03:10 PM - 03:15 PM	49.6	46.7	05:50 PM - 05:55 PM	50.9	41.0
12:35 PM - 12:40 PM	49.6	45.7	03:15 PM - 03:20 PM	51.6	47.8	05:55 PM - 06:00 PM	43.2	41.3

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Approved by

Sarayuth Jittrarat
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588967-1

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Sample Number 2635082-12
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 26, 2026			May 26, 2026			May 26 - May 27, 2026		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
06:00 PM - 06:05 PM	47.6	41.2	08:40 PM - 08:45 PM	51.8	49.2	11:20 PM - 11:25 PM	50.9	48.7
06:05 PM - 06:10 PM	47.2	41.5	08:45 PM - 08:50 PM	52.2	50.2	11:25 PM - 11:30 PM	50.9	48.8
06:10 PM - 06:15 PM	46.1	41.5	08:50 PM - 08:55 PM	51.7	49.3	11:30 PM - 11:35 PM	50.5	48.1
06:15 PM - 06:20 PM	43.8	42.1	08:55 PM - 09:00 PM	50.4	47.8	11:35 PM - 11:40 PM	50.5	48.4
06:20 PM - 06:25 PM	45.7	42.0	09:00 PM - 09:05 PM	48.1	46.8	11:40 PM - 11:45 PM	50.4	48.8
06:25 PM - 06:30 PM	47.8	42.1	09:05 PM - 09:10 PM	48.9	45.3	11:45 PM - 11:50 PM	50.1	48.7
06:30 PM - 06:35 PM	54.1	43.1	09:10 PM - 09:15 PM	49.2	45.5	11:50 PM - 11:55 PM	49.9	48.4
06:35 PM - 06:40 PM	51.2	46.2	09:15 PM - 09:20 PM	50.0	46.2	11:55 PM - 12:00 AM	49.8	48.0
06:40 PM - 06:45 PM	52.8	44.5	09:20 PM - 09:25 PM	49.5	46.4	12:00 AM - 12:05 AM	50.1	48.4
06:45 PM - 06:50 PM	49.9	44.5	09:25 PM - 09:30 PM	49.8	45.8	12:05 AM - 12:10 AM	49.4	46.9
06:50 PM - 06:55 PM	50.7	45.0	09:30 PM - 09:35 PM	48.8	45.0	12:10 AM - 12:15 AM	50.0	48.5
06:55 PM - 07:00 PM	51.0	45.9	09:35 PM - 09:40 PM	48.8	45.2	12:15 AM - 12:20 AM	50.2	48.7
07:00 PM - 07:05 PM	51.7	47.4	09:40 PM - 09:45 PM	48.2	45.3	12:20 AM - 12:25 AM	50.0	48.3
07:05 PM - 07:10 PM	52.5	49.1	09:45 PM - 09:50 PM	48.8	45.6	12:25 AM - 12:30 AM	50.1	48.3
07:10 PM - 07:15 PM	53.3	51.8	09:50 PM - 09:55 PM	49.1	46.0	12:30 AM - 12:35 AM	50.0	47.9
07:15 PM - 07:20 PM	52.9	50.2	09:55 PM - 10:00 PM	48.5	45.5	12:35 AM - 12:40 AM	50.3	48.5
07:20 PM - 07:25 PM	52.8	50.6	10:00 PM - 10:05 PM	48.8	44.9	12:40 AM - 12:45 AM	50.2	47.9
07:25 PM - 07:30 PM	53.0	50.6	10:05 PM - 10:10 PM	48.9	44.1	12:45 AM - 12:50 AM	50.5	48.3
07:30 PM - 07:35 PM	53.1	51.0	10:10 PM - 10:15 PM	45.0	43.5	12:50 AM - 12:55 AM	50.1	47.6
07:35 PM - 07:40 PM	52.6	50.3	10:15 PM - 10:20 PM	45.5	43.0	12:55 AM - 01:00 AM	50.1	47.0
07:40 PM - 07:45 PM	51.3	49.3	10:20 PM - 10:25 PM	45.0	43.6	01:00 AM - 01:05 AM	50.0	44.3
07:45 PM - 07:50 PM	51.8	49.4	10:25 PM - 10:30 PM	49.2	43.3	01:05 AM - 01:10 AM	49.9	47.5
07:50 PM - 07:55 PM	52.2	50.2	10:30 PM - 10:35 PM	47.4	42.5	01:10 AM - 01:15 AM	50.1	47.5
07:55 PM - 08:00 PM	51.9	49.2	10:35 PM - 10:40 PM	44.7	43.0	01:15 AM - 01:20 AM	49.8	47.3
08:00 PM - 08:05 PM	51.9	49.1	10:40 PM - 10:45 PM	48.1	42.9	01:20 AM - 01:25 AM	49.3	46.8
08:05 PM - 08:10 PM	51.7	48.8	10:45 PM - 10:50 PM	45.2	43.6	01:25 AM - 01:30 AM	49.1	46.4
08:10 PM - 08:15 PM	51.9	49.0	10:50 PM - 10:55 PM	45.9	44.0	01:30 AM - 01:35 AM	49.1	46.5
08:15 PM - 08:20 PM	52.8	51.6	10:55 PM - 11:00 PM	48.3	43.8	01:35 AM - 01:40 AM	49.8	47.1
08:20 PM - 08:25 PM	52.7	50.0	11:00 PM - 11:05 PM	49.7	44.6	01:40 AM - 01:45 AM	49.4	46.2
08:25 PM - 08:30 PM	51.9	48.9	11:05 PM - 11:10 PM	48.6	44.0	01:45 AM - 01:50 AM	49.3	46.4
08:30 PM - 08:35 PM	51.0	48.7	11:10 PM - 11:15 PM	49.7	46.3	01:50 AM - 01:55 AM	48.8	45.2
08:35 PM - 08:40 PM	51.2	48.6	11:15 PM - 11:20 PM	49.8	46.8	01:55 AM - 02:00 AM	48.0	44.2



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588968-1

Page 1 of 3

Sample Number 2635082-13
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางหลวง (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 27, 2026 Time	Leq dB(A)	L90 dB(A)	May 27, 2026 Time	Leq dB(A)	L90 dB(A)	May 27, 2026 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	56.4	49.9	12:40 PM - 12:45 PM	50.1	49.2	03:20 PM - 03:25 PM	50.3	48.0
10:05 AM - 10:10 AM	61.7	52.6	12:45 PM - 12:50 PM	48.6	46.8	03:25 PM - 03:30 PM	56.3	50.9
10:10 AM - 10:15 AM	58.1	52.9	12:50 PM - 12:55 PM	52.6	46.7	03:30 PM - 03:35 PM	56.2	49.6
10:15 AM - 10:20 AM	59.6	51.6	12:55 PM - 01:00 PM	48.9	46.3	03:35 PM - 03:40 PM	53.6	49.9
10:20 AM - 10:25 AM	65.2	52.9	01:00 PM - 01:05 PM	50.0	47.0	03:40 PM - 03:45 PM	60.1	51.9
10:25 AM - 10:30 AM	57.0	52.4	01:05 PM - 01:10 PM	55.0	48.6	03:45 PM - 03:50 PM	53.7	50.9
10:30 AM - 10:35 AM	60.0	51.2	01:10 PM - 01:15 PM	63.4	52.4	03:50 PM - 03:55 PM	56.0	50.5
10:35 AM - 10:40 AM	62.0	52.5	01:15 PM - 01:20 PM	59.5	51.3	03:55 PM - 04:00 PM	53.8	50.3
10:40 AM - 10:45 AM	57.3	49.9	01:20 PM - 01:25 PM	55.9	52.6	04:00 PM - 04:05 PM	56.0	50.1
10:45 AM - 10:50 AM	63.4	54.0	01:25 PM - 01:30 PM	56.4	52.7	04:05 PM - 04:10 PM	54.1	49.2
10:50 AM - 10:55 AM	56.0	49.7	01:30 PM - 01:35 PM	55.6	51.2	04:10 PM - 04:15 PM	53.1	50.1
10:55 AM - 11:00 AM	64.5	50.1	01:35 PM - 01:40 PM	54.5	50.8	04:15 PM - 04:20 PM	57.1	52.0
11:00 AM - 11:05 AM	56.9	52.4	01:40 PM - 01:45 PM	55.5	51.7	04:20 PM - 04:25 PM	58.2	53.0
11:05 AM - 11:10 AM	57.3	52.7	01:45 PM - 01:50 PM	55.2	51.5	04:25 PM - 04:30 PM	54.7	51.5
11:10 AM - 11:15 AM	53.8	47.5	01:50 PM - 01:55 PM	54.9	50.4	04:30 PM - 04:35 PM	59.0	52.5
11:15 AM - 11:20 AM	57.2	51.9	01:55 PM - 02:00 PM	56.0	50.8	04:35 PM - 04:40 PM	57.2	51.5
11:20 AM - 11:25 AM	55.4	51.5	02:00 PM - 02:05 PM	57.8	52.9	04:40 PM - 04:45 PM	55.3	53.2
11:25 AM - 11:30 AM	54.8	49.3	02:05 PM - 02:10 PM	60.3	49.4	04:45 PM - 04:50 PM	55.2	51.0
11:30 AM - 11:35 AM	55.3	49.6	02:10 PM - 02:15 PM	51.7	47.9	04:50 PM - 04:55 PM	55.9	53.9
11:35 AM - 11:40 AM	48.9	47.0	02:15 PM - 02:20 PM	48.9	46.6	04:55 PM - 05:00 PM	52.0	45.2
11:40 AM - 11:45 AM	50.6	47.4	02:20 PM - 02:25 PM	51.3	46.7	05:00 PM - 05:05 PM	48.2	43.6
11:45 AM - 11:50 AM	52.6	46.9	02:25 PM - 02:30 PM	49.7	47.6	05:05 PM - 05:10 PM	53.8	47.0
11:50 AM - 11:55 AM	49.3	46.4	02:30 PM - 02:35 PM	50.2	48.1	05:10 PM - 05:15 PM	50.7	44.9
11:55 AM - 12:00 PM	54.6	47.4	02:35 PM - 02:40 PM	55.5	49.3	05:15 PM - 05:20 PM	52.1	44.7
12:00 PM - 12:05 PM	48.6	47.2	02:40 PM - 02:45 PM	51.5	48.8	05:20 PM - 05:25 PM	48.0	42.2
12:05 PM - 12:10 PM	48.9	46.7	02:45 PM - 02:50 PM	51.0	48.6	05:25 PM - 05:30 PM	47.2	43.2
12:10 PM - 12:15 PM	49.1	46.9	02:50 PM - 02:55 PM	54.2	47.5	05:30 PM - 05:35 PM	47.4	43.2
12:15 PM - 12:20 PM	49.0	47.3	02:55 PM - 03:00 PM	50.4	48.8	05:35 PM - 05:40 PM	45.8	42.6
12:20 PM - 12:25 PM	51.0	49.7	03:00 PM - 03:05 PM	51.7	49.1	05:40 PM - 05:45 PM	53.8	44.0
12:25 PM - 12:30 PM	49.6	48.9	03:05 PM - 03:10 PM	51.2	48.8	05:45 PM - 05:50 PM	46.3	42.8
12:30 PM - 12:35 PM	50.7	49.0	03:10 PM - 03:15 PM	50.7	49.3	05:50 PM - 05:55 PM	45.9	42.8
12:35 PM - 12:40 PM	50.3	49.0	03:15 PM - 03:20 PM	51.4	49.1	05:55 PM - 06:00 PM	46.8	43.0

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Approved by

Sarayuth Jittrarat
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
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Sample Number 2635082-13
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางหลวง (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 27, 2026 Time	Leq dB(A)	L90 dB(A)	May 27, 2026 Time	Leq dB(A)	L90 dB(A)	May 27 - May 28, 2026 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	47.6	43.1	08:40 PM - 08:45 PM	50.0	45.6	11:20 PM - 11:25 PM	46.6	44.4
06:05 PM - 06:10 PM	50.8	41.7	08:45 PM - 08:50 PM	45.5	44.3	11:25 PM - 11:30 PM	46.7	45.1
06:10 PM - 06:15 PM	52.0	43.7	08:50 PM - 08:55 PM	46.9	44.8	11:30 PM - 11:35 PM	46.3	44.7
06:15 PM - 06:20 PM	46.1	43.0	08:55 PM - 09:00 PM	48.2	44.9	11:35 PM - 11:40 PM	45.7	43.6
06:20 PM - 06:25 PM	48.2	45.4	09:00 PM - 09:05 PM	48.3	45.3	11:40 PM - 11:45 PM	45.5	44.1
06:25 PM - 06:30 PM	55.5	44.9	09:05 PM - 09:10 PM	48.0	45.1	11:45 PM - 11:50 PM	45.3	43.9
06:30 PM - 06:35 PM	46.6	43.7	09:10 PM - 09:15 PM	48.4	45.4	11:50 PM - 11:55 PM	45.3	43.9
06:35 PM - 06:40 PM	46.1	43.7	09:15 PM - 09:20 PM	48.3	46.3	11:55 PM - 12:00 AM	45.2	43.8
06:40 PM - 06:45 PM	45.5	43.2	09:20 PM - 09:25 PM	49.5	47.6	12:00 AM - 12:05 AM	45.5	43.8
06:45 PM - 06:50 PM	47.4	43.9	09:25 PM - 09:30 PM	50.2	48.2	12:05 AM - 12:10 AM	45.7	43.9
06:50 PM - 06:55 PM	51.0	45.4	09:30 PM - 09:35 PM	50.6	49.2	12:10 AM - 12:15 AM	44.4	43.2
06:55 PM - 07:00 PM	48.7	45.6	09:35 PM - 09:40 PM	50.0	47.1	12:15 AM - 12:20 AM	43.8	42.5
07:00 PM - 07:05 PM	49.2	46.0	09:40 PM - 09:45 PM	49.6	47.8	12:20 AM - 12:25 AM	43.7	42.3
07:05 PM - 07:10 PM	49.2	47.0	09:45 PM - 09:50 PM	50.2	47.4	12:25 AM - 12:30 AM	43.8	42.7
07:10 PM - 07:15 PM	49.4	47.6	09:50 PM - 09:55 PM	49.2	46.3	12:30 AM - 12:35 AM	44.2	42.8
07:15 PM - 07:20 PM	49.2	47.5	09:55 PM - 10:00 PM	49.3	46.0	12:35 AM - 12:40 AM	44.2	43.0
07:20 PM - 07:25 PM	49.8	47.9	10:00 PM - 10:05 PM	50.5	47.7	12:40 AM - 12:45 AM	44.5	43.2
07:25 PM - 07:30 PM	49.3	47.6	10:05 PM - 10:10 PM	50.1	45.5	12:45 AM - 12:50 AM	45.3	43.3
07:30 PM - 07:35 PM	48.9	47.3	10:10 PM - 10:15 PM	48.7	44.2	12:50 AM - 12:55 AM	45.4	43.7
07:35 PM - 07:40 PM	47.8	46.6	10:15 PM - 10:20 PM	48.9	46.5	12:55 AM - 01:00 AM	44.2	43.4
07:40 PM - 07:45 PM	48.2	46.4	10:20 PM - 10:25 PM	49.8	46.1	01:00 AM - 01:05 AM	43.6	42.8
07:45 PM - 07:50 PM	47.4	45.7	10:25 PM - 10:30 PM	50.3	47.5	01:05 AM - 01:10 AM	43.6	42.3
07:50 PM - 07:55 PM	46.5	45.6	10:30 PM - 10:35 PM	49.7	45.1	01:10 AM - 01:15 AM	43.8	43.1
07:55 PM - 08:00 PM	47.7	46.3	10:35 PM - 10:40 PM	50.7	48.4	01:15 AM - 01:20 AM	43.8	42.8
08:00 PM - 08:05 PM	47.8	46.4	10:40 PM - 10:45 PM	50.4	47.1	01:20 AM - 01:25 AM	44.2	42.8
08:05 PM - 08:10 PM	47.7	46.2	10:45 PM - 10:50 PM	50.0	46.5	01:25 AM - 01:30 AM	43.4	42.4
08:10 PM - 08:15 PM	47.5	46.0	10:50 PM - 10:55 PM	50.4	47.5	01:30 AM - 01:35 AM	43.4	42.4
08:15 PM - 08:20 PM	47.4	46.0	10:55 PM - 11:00 PM	48.9	44.7	01:35 AM - 01:40 AM	43.1	42.1
08:20 PM - 08:25 PM	45.8	44.8	11:00 PM - 11:05 PM	49.8	45.9	01:40 AM - 01:45 AM	43.1	42.0
08:25 PM - 08:30 PM	45.9	45.2	11:05 PM - 11:10 PM	50.2	47.2	01:45 AM - 01:50 AM	42.6	41.4
08:30 PM - 08:35 PM	45.9	45.1	11:10 PM - 11:15 PM	49.8	46.4	01:50 AM - 01:55 AM	44.0	41.6
08:35 PM - 08:40 PM	46.4	45.4	11:15 PM - 11:20 PM	46.2	44.4	01:55 AM - 02:00 AM	44.6	42.5

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

Approved by

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588968-1

Page 3 of 3

Sample Number 2635082-13
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางหลวง (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 1120936

May 28, 2026			May 28, 2026			May 28, 2026		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
02:00 AM - 02:05 AM	45.2	42.6	04:40 AM - 04:45 AM	44.5	42.5	07:20 AM - 07:25 AM	46.0	41.3
02:05 AM - 02:10 AM	45.1	41.6	04:45 AM - 04:50 AM	44.4	42.9	07:25 AM - 07:30 AM	48.7	42.2
02:10 AM - 02:15 AM	43.0	41.8	04:50 AM - 04:55 AM	44.2	42.9	07:30 AM - 07:35 AM	44.2	41.1
02:15 AM - 02:20 AM	43.2	41.7	04:55 AM - 05:00 AM	43.3	42.3	07:35 AM - 07:40 AM	47.1	43.7
02:20 AM - 02:25 AM	44.9	42.3	05:00 AM - 05:05 AM	43.5	42.5	07:40 AM - 07:45 AM	52.5	44.7
02:25 AM - 02:30 AM	44.1	42.2	05:05 AM - 05:10 AM	43.7	42.7	07:45 AM - 07:50 AM	54.7	47.4
02:30 AM - 02:35 AM	43.5	41.8	05:10 AM - 05:15 AM	43.8	42.3	07:50 AM - 07:55 AM	54.4	49.1
02:35 AM - 02:40 AM	43.3	41.8	05:15 AM - 05:20 AM	45.5	42.7	07:55 AM - 08:00 AM	55.4	51.8
02:40 AM - 02:45 AM	42.6	41.3	05:20 AM - 05:25 AM	45.6	43.7	08:00 AM - 08:05 AM	55.3	51.0
02:45 AM - 02:50 AM	42.7	41.1	05:25 AM - 05:30 AM	45.5	44.1	08:05 AM - 08:10 AM	59.3	51.1
02:50 AM - 02:55 AM	42.3	40.8	05:30 AM - 05:35 AM	45.7	44.5	08:10 AM - 08:15 AM	56.6	51.4
02:55 AM - 03:00 AM	42.3	41.1	05:35 AM - 05:40 AM	47.3	44.0	08:15 AM - 08:20 AM	55.4	50.3
03:00 AM - 03:05 AM	42.7	41.7	05:40 AM - 05:45 AM	45.8	43.4	08:20 AM - 08:25 AM	57.1	52.8
03:05 AM - 03:10 AM	42.6	41.5	05:45 AM - 05:50 AM	45.7	43.0	08:25 AM - 08:30 AM	57.7	52.7
03:10 AM - 03:15 AM	43.4	41.4	05:50 AM - 05:55 AM	47.3	43.4	08:30 AM - 08:35 AM	57.4	52.0
03:15 AM - 03:20 AM	42.6	41.4	05:55 AM - 06:00 AM	46.8	43.2	08:35 AM - 08:40 AM	53.9	50.2
03:20 AM - 03:25 AM	42.2	41.4	06:00 AM - 06:05 AM	45.9	43.2	08:40 AM - 08:45 AM	53.8	51.3
03:25 AM - 03:30 AM	42.9	41.5	06:05 AM - 06:10 AM	45.3	42.9	08:45 AM - 08:50 AM	54.0	51.3
03:30 AM - 03:35 AM	42.9	41.9	06:10 AM - 06:15 AM	45.9	42.9	08:50 AM - 08:55 AM	53.7	48.9
03:35 AM - 03:40 AM	42.9	41.6	06:15 AM - 06:20 AM	45.8	43.5	08:55 AM - 09:00 AM	51.9	46.9
03:40 AM - 03:45 AM	42.0	41.1	06:20 AM - 06:25 AM	45.9	43.0	09:00 AM - 09:05 AM	50.4	44.1
03:45 AM - 03:50 AM	42.0	41.1	06:25 AM - 06:30 AM	47.2	43.3	09:05 AM - 09:10 AM	50.5	43.2
03:50 AM - 03:55 AM	41.5	40.5	06:30 AM - 06:35 AM	49.7	43.3	09:10 AM - 09:15 AM	50.4	42.7
03:55 AM - 04:00 AM	41.4	40.5	06:35 AM - 06:40 AM	52.8	43.7	09:15 AM - 09:20 AM	49.6	44.6
04:00 AM - 04:05 AM	41.2	40.4	06:40 AM - 06:45 AM	49.2	41.6	09:20 AM - 09:25 AM	52.2	46.2
04:05 AM - 04:10 AM	42.1	41.1	06:45 AM - 06:50 AM	53.6	42.8	09:25 AM - 09:30 AM	51.9	47.6
04:10 AM - 04:15 AM	42.1	41.1	06:50 AM - 06:55 AM	51.6	42.3	09:30 AM - 09:35 AM	52.7	49.4
04:15 AM - 04:20 AM	41.9	41.2	06:55 AM - 07:00 AM	53.5	42.1	09:35 AM - 09:40 AM	52.5	49.4
04:20 AM - 04:25 AM	41.9	41.2	07:00 AM - 07:05 AM	50.8	42.5	09:40 AM - 09:45 AM	52.8	49.4
04:25 AM - 04:30 AM	42.7	41.5	07:05 AM - 07:10 AM	45.4	42.1	09:45 AM - 09:50 AM	53.5	51.0
04:30 AM - 04:35 AM	42.8	42.1	07:10 AM - 07:15 AM	49.3	42.7	09:50 AM - 09:55 AM	53.0	48.2
04:35 AM - 04:40 AM	43.6	42.3	07:15 AM - 07:20 AM	46.9	41.6	09:55 AM - 10:00 AM	56.3	47.7



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588969-1

Page 2 of 3

Sample Number 2635082-14
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในเขตโรงงาน (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120936

May 28, 2026	Leq	L90	May 28, 2026	Leq	L90	May 28 - May 29, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 PM - 06:05 PM	50.3	45.0	08:40 PM - 08:45 PM	48.1	44.1	11:20 PM - 11:25 PM	48.5	45.4
06:05 PM - 06:10 PM	52.4	44.7	08:45 PM - 08:50 PM	48.7	44.2	11:25 PM - 11:30 PM	49.3	46.1
06:10 PM - 06:15 PM	48.3	45.9	08:50 PM - 08:55 PM	45.4	43.6	11:30 PM - 11:35 PM	49.3	47.1
06:15 PM - 06:20 PM	47.9	46.0	08:55 PM - 09:00 PM	45.5	44.0	11:35 PM - 11:40 PM	48.8	46.4
06:20 PM - 06:25 PM	50.1	46.4	09:00 PM - 09:05 PM	46.0	44.6	11:40 PM - 11:45 PM	49.3	47.4
06:25 PM - 06:30 PM	47.3	45.1	09:05 PM - 09:10 PM	45.9	44.7	11:45 PM - 11:50 PM	48.8	45.1
06:30 PM - 06:35 PM	48.3	46.1	09:10 PM - 09:15 PM	46.4	45.3	11:50 PM - 11:55 PM	47.2	45.1
06:35 PM - 06:40 PM	45.3	42.7	09:15 PM - 09:20 PM	45.8	44.3	11:55 PM - 12:00 AM	47.3	43.7
06:40 PM - 06:45 PM	45.9	43.4	09:20 PM - 09:25 PM	46.3	44.2	12:00 AM - 12:05 AM	47.3	44.6
06:45 PM - 06:50 PM	49.0	44.4	09:25 PM - 09:30 PM	47.0	45.6	12:05 AM - 12:10 AM	48.6	46.5
06:50 PM - 06:55 PM	49.0	43.3	09:30 PM - 09:35 PM	47.0	45.5	12:10 AM - 12:15 AM	50.1	46.5
06:55 PM - 07:00 PM	48.0	43.2	09:35 PM - 09:40 PM	46.1	44.1	12:15 AM - 12:20 AM	49.8	45.2
07:00 PM - 07:05 PM	46.0	43.5	09:40 PM - 09:45 PM	45.5	43.8	12:20 AM - 12:25 AM	49.3	43.9
07:05 PM - 07:10 PM	49.0	46.2	09:45 PM - 09:50 PM	45.7	43.8	12:25 AM - 12:30 AM	46.3	43.4
07:10 PM - 07:15 PM	50.4	49.4	09:50 PM - 09:55 PM	44.4	43.3	12:30 AM - 12:35 AM	46.4	43.7
07:15 PM - 07:20 PM	50.3	48.0	09:55 PM - 10:00 PM	43.6	42.5	12:35 AM - 12:40 AM	45.9	43.3
07:20 PM - 07:25 PM	48.9	47.2	10:00 PM - 10:05 PM	44.1	42.8	12:40 AM - 12:45 AM	47.2	43.6
07:25 PM - 07:30 PM	47.9	46.5	10:05 PM - 10:10 PM	43.9	42.8	12:45 AM - 12:50 AM	45.6	43.0
07:30 PM - 07:35 PM	47.9	46.0	10:10 PM - 10:15 PM	43.7	42.5	12:50 AM - 12:55 AM	45.7	42.8
07:35 PM - 07:40 PM	47.5	46.2	10:15 PM - 10:20 PM	43.7	42.4	12:55 AM - 01:00 AM	45.5	42.6
07:40 PM - 07:45 PM	47.5	45.7	10:20 PM - 10:25 PM	44.7	42.8	01:00 AM - 01:05 AM	45.2	42.1
07:45 PM - 07:50 PM	48.7	46.8	10:25 PM - 10:30 PM	43.8	42.4	01:05 AM - 01:10 AM	45.6	42.2
07:50 PM - 07:55 PM	48.8	47.4	10:30 PM - 10:35 PM	47.7	43.8	01:10 AM - 01:15 AM	46.3	42.3
07:55 PM - 08:00 PM	48.8	47.0	10:35 PM - 10:40 PM	47.7	43.5	01:15 AM - 01:20 AM	45.7	42.6
08:00 PM - 08:05 PM	48.7	47.0	10:40 PM - 10:45 PM	45.1	43.5	01:20 AM - 01:25 AM	45.3	42.1
08:05 PM - 08:10 PM	47.9	46.5	10:45 PM - 10:50 PM	47.3	43.7	01:25 AM - 01:30 AM	45.1	41.9
08:10 PM - 08:15 PM	48.1	46.0	10:50 PM - 10:55 PM	45.7	42.5	01:30 AM - 01:35 AM	45.8	42.5
08:15 PM - 08:20 PM	48.9	46.2	10:55 PM - 11:00 PM	46.6	43.1	01:35 AM - 01:40 AM	45.9	42.9
08:20 PM - 08:25 PM	47.9	44.9	11:00 PM - 11:05 PM	48.6	43.3	01:40 AM - 01:45 AM	45.5	42.6
08:25 PM - 08:30 PM	46.8	44.2	11:05 PM - 11:10 PM	48.6	46.3	01:45 AM - 01:50 AM	44.0	42.0
08:30 PM - 08:35 PM	49.5	45.3	11:10 PM - 11:15 PM	48.8	45.8	01:50 AM - 01:55 AM	46.0	42.4
08:35 PM - 08:40 PM	50.6	45.3	11:15 PM - 11:20 PM	48.5	44.9	01:55 AM - 02:00 AM	47.5	42.9

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Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588969-1

Page 3 of 3

Sample Number 2635082-14
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในเขตโรงงาน (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 1120936

May 29, 2026	Leq	L90	May 29, 2026	Leq	L90	May 29, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 AM - 02:05 AM	44.2	42.9	04:40 AM - 04:45 AM	44.5	41.6	07:20 AM - 07:25 AM	46.7	39.7
02:05 AM - 02:10 AM	43.0	42.1	04:45 AM - 04:50 AM	45.1	41.6	07:25 AM - 07:30 AM	50.2	47.4
02:10 AM - 02:15 AM	44.0	42.0	04:50 AM - 04:55 AM	45.5	42.0	07:30 AM - 07:35 AM	53.7	43.7
02:15 AM - 02:20 AM	44.1	42.9	04:55 AM - 05:00 AM	45.8	42.4	07:35 AM - 07:40 AM	50.2	39.5
02:20 AM - 02:25 AM	44.7	42.5	05:00 AM - 05:05 AM	46.0	42.4	07:40 AM - 07:45 AM	52.3	41.1
02:25 AM - 02:30 AM	43.2	41.6	05:05 AM - 05:10 AM	47.0	42.7	07:45 AM - 07:50 AM	53.6	43.1
02:30 AM - 02:35 AM	42.6	41.5	05:10 AM - 05:15 AM	46.8	43.3	07:50 AM - 07:55 AM	57.4	53.5
02:35 AM - 02:40 AM	42.6	41.0	05:15 AM - 05:20 AM	47.5	43.2	07:55 AM - 08:00 AM	59.8	52.5
02:40 AM - 02:45 AM	43.6	41.4	05:20 AM - 05:25 AM	47.4	43.1	08:00 AM - 08:05 AM	57.4	53.3
02:45 AM - 02:50 AM	43.9	41.8	05:25 AM - 05:30 AM	48.9	44.3	08:05 AM - 08:10 AM	56.9	52.4
02:50 AM - 02:55 AM	43.6	41.7	05:30 AM - 05:35 AM	50.4	45.3	08:10 AM - 08:15 AM	59.6	52.4
02:55 AM - 03:00 AM	43.9	41.9	05:35 AM - 05:40 AM	50.0	44.8	08:15 AM - 08:20 AM	55.1	51.6
03:00 AM - 03:05 AM	44.5	42.2	05:40 AM - 05:45 AM	49.6	44.6	08:20 AM - 08:25 AM	55.0	51.8
03:05 AM - 03:10 AM	44.2	42.1	05:45 AM - 05:50 AM	47.5	44.0	08:25 AM - 08:30 AM	53.7	48.9
03:10 AM - 03:15 AM	43.9	41.8	05:50 AM - 05:55 AM	46.9	44.0	08:30 AM - 08:35 AM	54.2	51.1
03:15 AM - 03:20 AM	44.6	42.6	05:55 AM - 06:00 AM	46.9	43.5	08:35 AM - 08:40 AM	57.6	52.8
03:20 AM - 03:25 AM	44.0	42.2	06:00 AM - 06:05 AM	47.3	43.2	08:40 AM - 08:45 AM	56.2	51.6
03:25 AM - 03:30 AM	43.8	41.5	06:05 AM - 06:10 AM	46.1	43.0	08:45 AM - 08:50 AM	56.7	54.1
03:30 AM - 03:35 AM	43.2	40.7	06:10 AM - 06:15 AM	45.1	42.5	08:50 AM - 08:55 AM	56.8	53.1
03:35 AM - 03:40 AM	42.4	40.2	06:15 AM - 06:20 AM	44.4	42.3	08:55 AM - 09:00 AM	56.9	53.0
03:40 AM - 03:45 AM	42.8	40.0	06:20 AM - 06:25 AM	46.1	42.2	09:00 AM - 09:05 AM	57.0	51.7
03:45 AM - 03:50 AM	41.7	39.7	06:25 AM - 06:30 AM	49.0	42.0	09:05 AM - 09:10 AM	54.4	49.8
03:50 AM - 03:55 AM	43.1	40.2	06:30 AM - 06:35 AM	48.2	42.3	09:10 AM - 09:15 AM	52.4	44.4
03:55 AM - 04:00 AM	43.5	40.5	06:35 AM - 06:40 AM	49.9	42.1	09:15 AM - 09:20 AM	52.2	45.2
04:00 AM - 04:05 AM	43.3	40.5	06:40 AM - 06:45 AM	44.3	41.6	09:20 AM - 09:25 AM	49.6	42.5
04:05 AM - 04:10 AM	43.6	40.8	06:45 AM - 06:50 AM	46.4	41.4	09:25 AM - 09:30 AM	46.2	40.7
04:10 AM - 04:15 AM	42.0	41.1	06:50 AM - 06:55 AM	47.4	42.6	09:30 AM - 09:35 AM	47.4	42.8
04:15 AM - 04:20 AM	47.9	41.1	06:55 AM - 07:00 AM	44.1	41.2	09:35 AM - 09:40 AM	47.3	42.9
04:20 AM - 04:25 AM	49.9	41.1	07:00 AM - 07:05 AM	52.1	41.8	09:40 AM - 09:45 AM	58.7	54.8
04:25 AM - 04:30 AM	43.7	41.2	07:05 AM - 07:10 AM	48.5	42.5	09:45 AM - 09:50 AM	54.5	49.5
04:30 AM - 04:35 AM	43.4	41.0	07:10 AM - 07:15 AM	51.6	42.3	09:50 AM - 09:55 AM	53.9	48.0
04:35 AM - 04:40 AM	44.4	41.7	07:15 AM - 07:20 AM	46.8	41.4	09:55 AM - 10:00 AM	54.9	49.7

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

Sarayuht Jittrantorn
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588970-1

Page 1 of 3

Sample Number 2635082-15
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในเขตโรงงาน (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 22, 2026	Leq	L90	May 22, 2026	Leq	L90	May 22, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	44.2	40.3	02:40 PM - 02:45 PM	45.1	40.4	05:20 PM - 05:25 PM	52.1	44.5
12:05 PM - 12:10 PM	46.5	43.3	02:45 PM - 02:50 PM	47.1	43.3	05:25 PM - 05:30 PM	47.7	43.7
12:10 PM - 12:15 PM	49.6	40.1	02:50 PM - 02:55 PM	48.9	45.0	05:30 PM - 05:35 PM	47.0	43.6
12:15 PM - 12:20 PM	44.6	40.7	02:55 PM - 03:00 PM	48.0	46.0	05:35 PM - 05:40 PM	48.2	45.8
12:20 PM - 12:25 PM	44.8	39.5	03:00 PM - 03:05 PM	48.6	46.0	05:40 PM - 05:45 PM	48.5	45.3
12:25 PM - 12:30 PM	45.1	41.3	03:05 PM - 03:10 PM	49.0	45.3	05:45 PM - 05:50 PM	50.7	45.8
12:30 PM - 12:35 PM	45.5	41.6	03:10 PM - 03:15 PM	47.2	43.7	05:50 PM - 05:55 PM	50.5	47.0
12:35 PM - 12:40 PM	46.2	41.4	03:15 PM - 03:20 PM	45.4	43.2	05:55 PM - 06:00 PM	49.1	45.7
12:40 PM - 12:45 PM	44.4	41.4	03:20 PM - 03:25 PM	45.9	42.9	06:00 PM - 06:05 PM	49.1	45.7
12:45 PM - 12:50 PM	45.8	41.4	03:25 PM - 03:30 PM	52.9	43.4	06:05 PM - 06:10 PM	51.7	47.7
12:50 PM - 12:55 PM	44.4	40.0	03:30 PM - 03:35 PM	46.4	41.8	06:10 PM - 06:15 PM	52.0	50.1
12:55 PM - 01:00 PM	44.0	40.3	03:35 PM - 03:40 PM	47.0	42.5	06:15 PM - 06:20 PM	53.1	50.9
01:00 PM - 01:05 PM	44.6	41.2	03:40 PM - 03:45 PM	60.5	44.1	06:20 PM - 06:25 PM	53.2	51.3
01:05 PM - 01:10 PM	47.4	39.7	03:45 PM - 03:50 PM	65.1	44.2	06:25 PM - 06:30 PM	52.5	50.9
01:10 PM - 01:15 PM	49.0	40.4	03:50 PM - 03:55 PM	50.1	45.4	06:30 PM - 06:35 PM	52.7	51.0
01:15 PM - 01:20 PM	43.8	39.3	03:55 PM - 04:00 PM	49.1	44.9	06:35 PM - 06:40 PM	52.9	51.3
01:20 PM - 01:25 PM	44.9	39.8	04:00 PM - 04:05 PM	48.3	42.6	06:40 PM - 06:45 PM	53.1	51.2
01:25 PM - 01:30 PM	43.8	38.0	04:05 PM - 04:10 PM	46.7	43.1	06:45 PM - 06:50 PM	53.3	50.8
01:30 PM - 01:35 PM	50.4	38.5	04:10 PM - 04:15 PM	50.6	43.5	06:50 PM - 06:55 PM	52.7	51.0
01:35 PM - 01:40 PM	48.5	39.0	04:15 PM - 04:20 PM	49.9	43.7	06:55 PM - 07:00 PM	53.7	51.0
01:40 PM - 01:45 PM	43.4	39.6	04:20 PM - 04:25 PM	54.6	45.3	07:00 PM - 07:05 PM	52.7	50.8
01:45 PM - 01:50 PM	49.5	40.9	04:25 PM - 04:30 PM	54.5	46.0	07:05 PM - 07:10 PM	53.4	51.3
01:50 PM - 01:55 PM	50.3	39.5	04:30 PM - 04:35 PM	48.4	44.3	07:10 PM - 07:15 PM	51.8	48.7
01:55 PM - 02:00 PM	43.8	39.8	04:35 PM - 04:40 PM	49.6	44.5	07:15 PM - 07:20 PM	51.7	49.2
02:00 PM - 02:05 PM	45.9	39.5	04:40 PM - 04:45 PM	48.6	44.6	07:20 PM - 07:25 PM	51.6	48.9
02:05 PM - 02:10 PM	53.7	40.0	04:45 PM - 04:50 PM	48.6	42.6	07:25 PM - 07:30 PM	51.4	49.0
02:10 PM - 02:15 PM	41.2	42.4	04:50 PM - 04:55 PM	47.0	42.4	07:30 PM - 07:35 PM	51.0	48.3
02:15 PM - 02:20 PM	47.1	46.2	04:55 PM - 05:00 PM	46.2	42.4	07:35 PM - 07:40 PM	50.1	48.4
02:20 PM - 02:25 PM	47.6	45.9	05:00 PM - 05:05 PM	44.5	41.6	07:40 PM - 07:45 PM	50.1	48.5
02:25 PM - 02:30 PM	46.2	46.1	05:05 PM - 05:10 PM	45.5	41.9	07:45 PM - 07:50 PM	50.6	48.5
02:30 PM - 02:35 PM	46.9	44.6	05:10 PM - 05:15 PM	51.3	42.1	07:50 PM - 07:55 PM	51.5	48.4
02:35 PM - 02:40 PM	46.3	42.7	05:15 PM - 05:20 PM	52.9	44.8	07:55 PM - 08:00 PM	51.6	48.4



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588971-1

Page 3 of 3

Sample Number 2635082-15
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน/โรงงาน (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 22 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 23, 2026	Leq	L90	May 23, 2026	Leq	L90	May 23, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	48.6	46.7	06:40 AM - 06:45 AM	52.1	47.3	09:20 AM - 09:25 AM	44.9	39.5
04:05 AM - 04:10 AM	48.7	46.9	06:45 AM - 06:50 AM	51.1	45.9	09:25 AM - 09:30 AM	44.4	39.6
04:10 AM - 04:15 AM	49.6	47.6	06:50 AM - 06:55 AM	50.9	46.7	09:30 AM - 09:35 AM	44.6	39.8
04:15 AM - 04:20 AM	49.7	47.8	06:55 AM - 07:00 AM	50.7	45.5	09:35 AM - 09:40 AM	44.2	39.0
04:20 AM - 04:25 AM	54.5	48.4	07:00 AM - 07:05 AM	52.7	45.3	09:40 AM - 09:45 AM	45.6	40.5
04:25 AM - 04:30 AM	52.3	48.0	07:05 AM - 07:10 AM	46.7	41.0	09:45 AM - 09:50 AM	46.6	39.2
04:30 AM - 04:35 AM	56.2	49.4	07:10 AM - 07:15 AM	51.8	42.4	09:50 AM - 09:55 AM	44.9	39.1
04:35 AM - 04:40 AM	54.1	50.2	07:15 AM - 07:20 AM	51.5	44.6	09:55 AM - 10:00 AM	46.4	41.4
04:40 AM - 04:45 AM	52.8	50.1	07:20 AM - 07:25 AM	48.1	42.5	10:00 AM - 10:05 AM	46.6	41.6
04:45 AM - 04:50 AM	52.1	50.7	07:25 AM - 07:30 AM	50.2	43.1	10:05 AM - 10:10 AM	47.2	41.9
04:50 AM - 04:55 AM	52.6	51.3	07:30 AM - 07:35 AM	50.9	42.6	10:10 AM - 10:15 AM	46.0	40.8
04:55 AM - 05:00 AM	52.2	51.1	07:35 AM - 07:40 AM	47.1	40.6	10:15 AM - 10:20 AM	44.6	39.9
05:00 AM - 05:05 AM	52.1	50.9	07:40 AM - 07:45 AM	49.7	42.0	10:20 AM - 10:25 AM	44.0	38.9
05:05 AM - 05:10 AM	52.2	50.6	07:45 AM - 07:50 AM	46.9	39.2	10:25 AM - 10:30 AM	44.9	40.4
05:10 AM - 05:15 AM	52.1	50.6	07:50 AM - 07:55 AM	44.3	40.3	10:30 AM - 10:35 AM	48.5	40.3
05:15 AM - 05:20 AM	53.1	50.9	07:55 AM - 08:00 AM	48.3	42.2	10:35 AM - 10:40 AM	44.7	39.7
05:20 AM - 05:25 AM	53.8	50.5	08:00 AM - 08:05 AM	46.3	41.5	10:40 AM - 10:45 AM	45.8	41.5
05:25 AM - 05:30 AM	52.6	49.4	08:05 AM - 08:10 AM	53.8	41.6	10:45 AM - 10:50 AM	42.5	38.6
05:30 AM - 05:35 AM	50.8	48.2	08:10 AM - 08:15 AM	46.3	40.0	10:50 AM - 10:55 AM	47.6	40.4
05:35 AM - 05:40 AM	50.9	48.2	08:15 AM - 08:20 AM	43.6	39.8	10:55 AM - 11:00 AM	46.4	43.0
05:40 AM - 05:45 AM	53.8	48.8	08:20 AM - 08:25 AM	51.4	39.8	11:00 AM - 11:05 AM	48.1	41.9
05:45 AM - 05:50 AM	50.9	48.2	08:25 AM - 08:30 AM	51.1	39.0	11:05 AM - 11:10 AM	45.3	40.8
05:50 AM - 05:55 AM	51.1	48.6	08:30 AM - 08:35 AM	43.4	38.5	11:10 AM - 11:15 AM	46.1	40.4
05:55 AM - 06:00 AM	50.6	48.3	08:35 AM - 08:40 AM	47.9	39.4	11:15 AM - 11:20 AM	45.6	42.3
06:00 AM - 06:05 AM	52.9	49.2	08:40 AM - 08:45 AM	53.2	41.6	11:20 AM - 11:25 AM	49.8	40.3
06:05 AM - 06:10 AM	50.6	48.2	08:45 AM - 08:50 AM	49.3	39.3	11:25 AM - 11:30 AM	46.5	41.6
06:10 AM - 06:15 AM	51.7	48.1	08:50 AM - 08:55 AM	46.2	40.9	11:30 AM - 11:35 AM	49.8	40.7
06:15 AM - 06:20 AM	50.8	47.9	08:55 AM - 09:00 AM	46.2	39.8	11:35 AM - 11:40 AM	46.0	40.7
06:20 AM - 06:25 AM	52.4	48.2	09:00 AM - 09:05 AM	43.8	38.6	11:40 AM - 11:45 AM	44.2	39.8
06:25 AM - 06:30 AM	52.2	47.7	09:05 AM - 09:10 AM	42.0	37.8	11:45 AM - 11:50 AM	46.2	40.9
06:30 AM - 06:35 AM	52.2	47.9	09:10 AM - 09:15 AM	51.3	40.1	11:50 AM - 11:55 AM	45.9	41.3
06:35 AM - 06:40 AM	51.0	47.3	09:15 AM - 09:20 AM	46.6	40.7	11:55 AM - 12:00 PM	49.1	41.2

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

Sarayuht Jittranon
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588971-1

Page 1 of 3

Sample Number 2635082-16
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน/โรงงาน (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 22 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 23, 2026	Leq	L90	May 23, 2026	Leq	L90	May 23, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	52.2	44.3	02:40 PM - 02:45 PM	46.4	41.3	05:20 PM - 05:25 PM	45.5	40.9
12:05 PM - 12:10 PM	47.3	42.7	02:45 PM - 02:50 PM	45.4	40.7	05:25 PM - 05:30 PM	46.6	42.1
12:10 PM - 12:15 PM	44.9	40.9	02:50 PM - 02:55 PM	43.8	39.7	05:30 PM - 05:35 PM	46.3	42.0
12:15 PM - 12:20 PM	44.3	41.0	02:55 PM - 03:00 PM	43.4	38.5	05:35 PM - 05:40 PM	48.1	41.9
12:20 PM - 12:25 PM	44.9	41.7	03:00 PM - 03:05 PM	45.7	40.0	05:40 PM - 05:45 PM	50.0	42.6
12:25 PM - 12:30 PM	48.6	42.5	03:05 PM - 03:10 PM	49.7	41.8	05:45 PM - 05:50 PM	49.0	45.0
12:30 PM - 12:35 PM	47.4	42.5	03:10 PM - 03:15 PM	45.9	40.5	05:50 PM - 05:55 PM	49.7	45.8
12:35 PM - 12:40 PM	48.5	42.2	03:15 PM - 03:20 PM	45.2	38.0	05:55 PM - 06:00 PM	50.7	46.0
12:40 PM - 12:45 PM	48.0	44.4	03:20 PM - 03:25 PM	44.1	39.0	06:00 PM - 06:05 PM	54.1	47.9
12:45 PM - 12:50 PM	45.2	41.8	03:25 PM - 03:30 PM	44.2	38.9	06:05 PM - 06:10 PM	50.6	47.7
12:50 PM - 12:55 PM	46.1	42.2	03:30 PM - 03:35 PM	45.1	40.1	06:10 PM - 06:15 PM	51.7	49.0
12:55 PM - 01:00 PM	49.1	41.2	03:35 PM - 03:40 PM	44.3	39.5	06:15 PM - 06:20 PM	53.0	50.5
01:00 PM - 01:05 PM	45.9	41.6	03:40 PM - 03:45 PM	42.7	38.7	06:20 PM - 06:25 PM	54.6	52.4
01:05 PM - 01:10 PM	42.5	39.7	03:45 PM - 03:50 PM	45.6	41.3	06:25 PM - 06:30 PM	54.2	52.9
01:10 PM - 01:15 PM	49.2	43.7	03:50 PM - 03:55 PM	48.2	43.6	06:30 PM - 06:35 PM	55.7	53.2
01:15 PM - 01:20 PM	47.3	43.9	03:55 PM - 04:00 PM	53.5	43.1	06:35 PM - 06:40 PM	55.4	53.1
01:20 PM - 01:25 PM	47.4	42.1	04:00 PM - 04:05 PM	48.8	43.0	06:40 PM - 06:45 PM	55.5	52.8
01:25 PM - 01:30 PM	50.1	41.8	04:05 PM - 04:10 PM	47.1	41.8	06:45 PM - 06:50 PM	55.1	52.8
01:30 PM - 01:35 PM	46.0	42.3	04:10 PM - 04:15 PM	45.5	41.6	06:50 PM - 06:55 PM	54.5	52.4
01:35 PM - 01:40 PM	47.3	42.1	04:15 PM - 04:20 PM	48.6	42.6	06:55 PM - 07:00 PM	54.6	52.4
01:40 PM - 01:45 PM	49.2	44.2	04:20 PM - 04:25 PM	49.1	44.8	07:00 PM - 07:05 PM	54.2	52.2
01:45 PM - 01:50 PM	46.7	42.3	04:25 PM - 04:30 PM	48.5	44.2	07:05 PM - 07:10 PM	54.4	51.5
01:50 PM - 01:55 PM	46.6	42.3	04:30 PM - 04:35 PM	46.3	42.9	07:10 PM - 07:15 PM	53.3	50.6
01:55 PM - 02:00 PM	46.1	40.6	04:35 PM - 04:40 PM	48.6	43.2	07:15 PM - 07:20 PM	53.6	50.8
02:00 PM - 02:05 PM	47.3	41.0	04:40 PM - 04:45 PM	47.4	41.8	07:20 PM - 07:25 PM	52.9	50.8
02:05 PM - 02:10 PM	45.1	40.9	04:45 PM - 04:50 PM	46.0	42.2	07:25 PM - 07:30 PM	51.1	49.4
02:10 PM - 02:15 PM	45.5	40.9	04:50 PM - 04:55 PM	46.2	41.9	07:30 PM - 07:35 PM	50.9	49.0
02:15 PM - 02:20 PM	44.4	41.3	04:55 PM - 05:00 PM	52.0	41.9	07:35 PM - 07:40 PM	50.4	48.5
02:20 PM - 02:25 PM	46.9	41.6	05:00 PM - 05:05 PM	46.7	42.3	07:40 PM - 07:45 PM	50.5	48.5
02:25 PM - 02:30 PM	47.6	42.3	05:05 PM - 05:10 PM	47.7	42.6	07:45 PM - 07:50 PM	50.2	50.5
02:30 PM - 02:35 PM	47.1	40.2	05:10 PM - 05:15 PM	48.8	41.2	07:50 PM - 07:55 PM	51.6	49.8
02:35 PM - 02:40 PM	53.0	40.3	05:15 PM - 05:20 PM	45.4	41.1	07:55 PM - 08:00 PM	51.5	49.5

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

Sarayuht Jittranon
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588971-1

Page 2 of 3

Sample Number 2635082-16
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน/โรงงาน (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 23, 2026	Leq	L90	May 23 - May 24, 2026	Leq	L90	May 24, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	51.6	49.7	10:40 PM - 10:45 PM	47.7	45.3	01:20 AM - 01:25 AM	45.7	44.6
08:05 PM - 08:10 PM	50.9	49.0	10:45 PM - 10:50 PM	50.3	46.5	01:25 AM - 01:30 AM	46.6	45.8
08:10 PM - 08:15 PM	51.5	49.7	10:50 PM - 10:55 PM	47.1	45.6	01:30 AM - 01:35 AM	47.3	46.0
08:15 PM - 08:20 PM	51.4	48.9	10:55 PM - 11:00 PM	47.1	45.2	01:35 AM - 01:40 AM	47.6	46.1
08:20 PM - 08:25 PM	50.5	48.2	11:00 PM - 11:05 PM	47.3	45.2	01:40 AM - 01:45 AM	46.9	43.5
08:25 PM - 08:30 PM	49.8	47.2	11:05 PM - 11:10 PM	49.5	46.9	01:45 AM - 01:50 AM	49.8	44.6
08:30 PM - 08:35 PM	49.7	47.9	11:10 PM - 11:15 PM	49.4	47.7	01:50 AM - 01:55 AM	47.5	46.2
08:35 PM - 08:40 PM	49.3	47.6	11:15 PM - 11:20 PM	49.1	47.8	01:55 AM - 02:00 AM	47.3	46.3
08:40 PM - 08:45 PM	49.8	47.7	11:20 PM - 11:25 PM	49.4	47.9	02:00 AM - 02:05 AM	47.2	46.2
08:45 PM - 08:50 PM	50.3	48.2	11:25 PM - 11:30 PM	49.4	47.8	02:05 AM - 02:10 AM	46.9	45.6
08:50 PM - 08:55 PM	49.7	47.7	11:30 PM - 11:35 PM	48.7	47.3	02:10 AM - 02:15 AM	47.5	45.8
08:55 PM - 09:00 PM	49.2	47.2	11:35 PM - 11:40 PM	48.3	47.4	02:15 AM - 02:20 AM	45.7	44.3
09:00 PM - 09:05 PM	49.3	47.3	11:40 PM - 11:45 PM	47.6	46.0	02:20 AM - 02:25 AM	45.4	44.0
09:05 PM - 09:10 PM	48.9	46.4	11:45 PM - 11:50 PM	45.7	42.6	02:25 AM - 02:30 AM	46.4	44.1
09:10 PM - 09:15 PM	48.8	46.3	11:50 PM - 11:55 PM	45.6	42.3	02:30 AM - 02:35 AM	47.2	46.1
09:15 PM - 09:20 PM	48.4	46.9	11:55 PM - 12:00 AM	44.4	41.5	02:35 AM - 02:40 AM	44.8	42.2
09:20 PM - 09:25 PM	47.4	45.2	12:00 AM - 12:05 AM	44.5	42.1	02:40 AM - 02:45 AM	44.5	41.7
09:25 PM - 09:30 PM	46.5	44.9	12:05 AM - 12:10 AM	44.9	42.8	02:45 AM - 02:50 AM	45.1	42.2
09:30 PM - 09:35 PM	48.4	46.2	12:10 AM - 12:15 AM	44.9	42.7	02:50 AM - 02:55 AM	44.3	42.1
09:35 PM - 09:40 PM	49.4	47.5	12:15 AM - 12:20 AM	44.6	42.5	02:55 AM - 03:00 AM	43.7	42.3
09:40 PM - 09:45 PM	48.3	47.3	12:20 AM - 12:25 AM	45.3	43.0	03:00 AM - 03:05 AM	44.0	42.9
09:45 PM - 09:50 PM	48.7	47.7	12:25 AM - 12:30 AM	44.9	42.6	03:05 AM - 03:10 AM	44.3	43.1
09:50 PM - 09:55 PM	48.5	47.1	12:30 AM - 12:35 AM	47.4	44.8	03:10 AM - 03:15 AM	44.6	43.2
09:55 PM - 10:00 PM	48.0	46.2	12:35 AM - 12:40 AM	46.7	45.0	03:15 AM - 03:20 AM	43.7	42.9
10:00 PM - 10:05 PM	48.0	45.4	12:40 AM - 12:45 AM	46.7	45.0	03:20 AM - 03:25 AM	43.8	42.7
10:05 PM - 10:10 PM	48.5	46.2	12:45 AM - 12:50 AM	49.0	47.4	03:25 AM - 03:30 AM	45.1	42.7
10:10 PM - 10:15 PM	49.8	48.2	12:50 AM - 12:55 AM	45.9	43.9	03:30 AM - 03:35 AM	44.1	42.3
10:15 PM - 10:20 PM	48.2	45.0	12:55 AM - 01:00 AM	47.4	45.0	03:35 AM - 03:40 AM	45.9	43.8
10:20 PM - 10:25 PM	48.2	45.0	01:00 AM - 01:05 PM	46.7	44.6	03:40 AM - 03:45 AM	45.6	43.9
10:25 PM - 10:30 PM	47.6	44.9	01:05 AM - 01:10 AM	47.3	46.3	03:45 AM - 03:50 AM	46.6	44.5
10:30 PM - 10:35 PM	47.8	45.5	01:10 AM - 01:15 AM	47.2	46.1	03:50 AM - 03:55 AM	48.2	45.6
10:35 PM - 10:40 PM	48.2	46.0	01:15 AM - 01:20 AM	45.7	44.6	03:55 AM - 04:00 AM	47.9	45.5



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588972-1

Page 1 of 3

Sample Number 2635082-17
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมท่าเรือคลองสำโรง (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 531295

May 24, 2026	Leq	L90	May 24, 2026	Leq	L90	May 24, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	45.1	40.3	02:40 PM - 02:45 PM	46.6	40.9	05:20 PM - 05:25 PM	47.0	40.9
12:05 PM - 12:10 PM	48.0	37.2	02:45 PM - 02:50 PM	48.1	42.0	05:25 PM - 05:30 PM	49.0	42.2
12:10 PM - 12:15 PM	43.0	38.4	02:50 PM - 02:55 PM	44.6	41.1	05:30 PM - 05:35 PM	46.6	42.1
12:15 PM - 12:20 PM	43.5	38.6	02:55 PM - 03:00 PM	45.9	42.4	05:35 PM - 05:40 PM	44.3	39.6
12:20 PM - 12:25 PM	46.3	40.5	03:00 PM - 03:05 PM	51.2	42.2	05:40 PM - 05:45 PM	56.0	41.1
12:25 PM - 12:30 PM	45.1	41.3	03:05 PM - 03:10 PM	49.1	42.3	05:45 PM - 05:50 PM	53.2	47.0
12:30 PM - 12:35 PM	45.3	41.1	03:10 PM - 03:15 PM	48.7	43.9	05:50 PM - 05:55 PM	48.8	41.6
12:35 PM - 12:40 PM	46.6	42.3	03:15 PM - 03:20 PM	49.0	43.6	05:55 PM - 06:00 PM	45.2	41.8
12:40 PM - 12:45 PM	45.8	38.0	03:20 PM - 03:25 PM	46.5	41.8	06:00 PM - 06:05 PM	48.8	42.5
12:45 PM - 12:50 PM	46.7	41.6	03:25 PM - 03:30 PM	50.5	44.4	06:05 PM - 06:10 PM	49.7	43.5
12:50 PM - 12:55 PM	44.7	40.3	03:30 PM - 03:35 PM	47.5	43.8	06:10 PM - 06:15 PM	47.1	44.5
12:55 PM - 01:00 PM	45.4	41.3	03:35 PM - 03:40 PM	47.9	44.9	06:15 PM - 06:20 PM	46.7	44.0
01:00 PM - 01:05 PM	43.0	39.0	03:40 PM - 03:45 PM	49.2	44.6	06:20 PM - 06:25 PM	48.0	45.2
01:05 PM - 01:10 PM	46.6	39.9	03:45 PM - 03:50 PM	50.4	42.6	06:25 PM - 06:30 PM	48.8	46.4
01:10 PM - 01:15 PM	48.1	43.1	03:50 PM - 03:55 PM	47.3	43.4	06:30 PM - 06:35 PM	51.9	48.3
01:15 PM - 01:20 PM	44.4	38.1	03:55 PM - 04:00 PM	48.7	41.5	06:35 PM - 06:40 PM	49.4	47.0
01:20 PM - 01:25 PM	45.2	41.1	04:00 PM - 04:05 PM	49.2	43.0	06:40 PM - 06:45 PM	49.1	47.6
01:25 PM - 01:30 PM	47.3	42.3	04:05 PM - 04:10 PM	48.6	42.8	06:45 PM - 06:50 PM	49.2	48.0
01:30 PM - 01:35 PM	45.5	39.7	04:10 PM - 04:15 PM	51.1	44.1	06:50 PM - 06:55 PM	49.6	48.2
01:35 PM - 01:40 PM	46.7	41.1	04:15 PM - 04:20 PM	49.0	44.9	06:55 PM - 07:00 PM	49.8	48.3
01:40 PM - 01:45 PM	48.3	42.6	04:20 PM - 04:25 PM	48.2	44.7	07:00 PM - 07:05 PM	51.3	48.2
01:45 PM - 01:50 PM	51.7	45.9	04:25 PM - 04:30 PM	49.2	43.3	07:05 PM - 07:10 PM	51.3	48.1
01:50 PM - 01:55 PM	48.5	44.1	04:30 PM - 04:35 PM	48.6	43.1	07:10 PM - 07:15 PM	50.9	47.7
01:55 PM - 02:00 PM	46.1	40.6	04:35 PM - 04:40 PM	45.8	42.0	07:15 PM - 07:20 PM	50.3	47.0
02:00 PM - 02:05 PM	50.8	44.0	04:40 PM - 04:45 PM	46.4	40.5	07:20 PM - 07:25 PM	48.7	45.8
02:05 PM - 02:10 PM	48.8	42.7	04:45 PM - 04:50 PM	48.1	43.0	07:25 PM - 07:30 PM	48.6	47.0
02:10 PM - 02:15 PM	47.2	42.3	04:50 PM - 04:55 PM	45.4	41.5	07:30 PM - 07:35 PM	49.5	47.9
02:15 PM - 02:20 PM	49.5	43.4	04:55 PM - 05:00 PM	47.6	41.8	07:35 PM - 07:40 PM	48.6	46.8
02:20 PM - 02:25 PM	49.2	41.3	05:00 PM - 05:05 PM	52.3	41.9	07:40 PM - 07:45 PM	48.3	46.3
02:25 PM - 02:30 PM	45.7	41.0	05:05 PM - 05:10 PM	44.1	41.0	07:45 PM - 07:50 PM	48.4	47.0
02:30 PM - 02:35 PM	45.3	41.7	05:10 PM - 05:15 PM	46.2	40.5	07:50 PM - 07:55 PM	48.1	46.4
02:35 PM - 02:40 PM	47.3	42.3	05:15 PM - 05:20 PM	50.3	40.7	07:55 PM - 08:00 PM	48.9	46.9

Approved by

Sarayuht Jittranoit
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588972-1

Page 2 of 3

Sample Number 2635082-17
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมท่าเรือคลองสำโรง (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 531295

May 24, 2026	Leq	L90	May 24 - May 25, 2026	Leq	L90	May 25, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	50.2	46.9	10:40 PM - 10:45 PM	45.9	43.7	01:20 AM - 01:25 AM	49.4	42.0
08:05 PM - 08:10 PM	47.8	46.5	10:45 PM - 10:50 PM	46.1	44.2	01:25 AM - 01:30 AM	44.5	42.5
08:10 PM - 08:15 PM	47.6	46.3	10:50 PM - 10:55 PM	46.5	44.3	01:30 AM - 01:35 AM	45.0	43.6
08:15 PM - 08:20 PM	49.3	46.7	10:55 PM - 11:00 PM	46.4	43.6	01:35 AM - 01:40 AM	44.0	39.6
08:20 PM - 08:25 PM	47.7	44.9	11:00 PM - 11:05 PM	47.2	43.2	01:40 AM - 01:45 AM	43.2	37.7
08:25 PM - 08:30 PM	48.4	45.4	11:05 PM - 11:10 PM	46.0	43.5	01:45 AM - 01:50 AM	47.7	38.1
08:30 PM - 08:35 PM	49.2	47.9	11:10 PM - 11:15 PM	45.5	44.0	01:50 AM - 01:55 AM	50.6	42.7
08:35 PM - 08:40 PM	49.5	48.1	11:15 PM - 11:20 PM	44.6	43.3	01:55 AM - 02:00 AM	66.5	47.0
08:40 PM - 08:45 PM	49.4	47.6	11:20 PM - 11:25 PM	46.3	44.0	02:00 AM - 02:05 AM	49.4	53.1
08:45 PM - 08:50 PM	48.3	46.0	11:25 PM - 11:30 PM	46.9	44.8	02:05 AM - 02:10 AM	58.4	50.8
08:50 PM - 08:55 PM	48.7	45.3	11:30 PM - 11:35 PM	47.2	44.0	02:10 AM - 02:15 AM	62.5	55.3
08:55 PM - 09:00 PM	48.1	46.1	11:35 PM - 11:40 PM	45.0	42.7	02:15 AM - 02:20 AM	58.1	44.0
09:00 PM - 09:05 PM	57.1	46.2	11:40 PM - 11:45 PM	45.7	43.9	02:20 AM - 02:25 AM	52.9	41.9
09:05 PM - 09:10 PM	46.4	44.6	11:45 PM - 11:50 PM	46.7	44.1	02:25 AM - 02:30 AM	66.0	44.1
09:10 PM - 09:15 PM	46.6	44.8	11:50 PM - 11:55 PM	47.8	44.8	02:30 AM - 02:35 AM	58.3	47.5
09:15 PM - 09:20 PM	46.3	44.2	11:55 PM - 12:00 AM	47.7	44.6	02:35 AM - 02:40 AM	53.5	49.1
09:20 PM - 09:25 PM	46.7	45.3	12:00 AM - 12:05 AM	47.0	43.3	02:40 AM - 02:45 AM	54.9	48.2
09:25 PM - 09:30 PM	46.5	44.4	12:05 AM - 12:10 AM	46.5	42.7	02:45 AM - 02:50 AM	56.1	49.6
09:30 PM - 09:35 PM	46.5	45.2	12:10 AM - 12:15 AM	46.5	43.1	02:50 AM - 02:55 AM	55.2	45.0
09:35 PM - 09:40 PM	47.0	45.6	12:15 AM - 12:20 AM	45.8	41.6	02:55 AM - 03:00 AM	53.6	45.4
09:40 PM - 09:45 PM	47.3	45.8	12:20 AM - 12:25 AM	46.9	42.9	03:00 AM - 03:05 AM	54.0	48.3
09:45 PM - 09:50 PM	48.1	46.5	12:25 AM - 12:30 AM	47.7	43.6	03:05 AM - 03:10 AM	52.5	48.6
09:50 PM - 09:55 PM	47.9	46.0	12:30 AM - 12:35 AM	46.5	42.4	03:10 AM - 03:15 AM	51.5	45.3
09:55 PM - 10:00 PM	47.9	46.2	12:35 AM - 12:40 AM	46.8	42.9	03:15 AM - 03:20 AM	48.2	44.3
10:00 PM - 10:05 PM	47.2	44.9	12:40 AM - 12:45 AM	46.6	42.7	03:20 AM - 03:25 AM	47.0	43.3
10:05 PM - 10:10 PM	47.5	45.2	12:45 AM - 12:50 AM	48.1	43.8	03:25 AM - 03:30 AM	47.3	43.8
10:10 PM - 10:15 PM	46.1	43.5	12:50 AM - 12:55 AM	47.0	43.8	03:30 AM - 03:35 AM	46.2	43.5
10:15 PM - 10:20 PM	44.4	42.8	12:55 AM - 01:00 AM	45.8	44.0	03:35 AM - 03:40 AM	47.1	44.6
10:20 PM - 10:25 PM	44.4	42.9	01:00 AM - 01:05 AM	46.5	44.0	03:40 AM - 03:45 AM	47.6	44.5
10:25 PM - 10:30 PM	44.9	43.2	01:05 AM - 01:10 AM	45.7	43.0	03:45 AM - 03:50 AM	46.6	44.6
10:30 PM - 10:35 PM	45.1	43.7	01:10 AM - 01:15 AM	49.7	42.9	03:50 AM - 03:55 AM	48.9	44.7
10:35 PM - 10:40 PM	45.3	43.4	01:15 AM - 01:20 AM	52.5	42.4	03:55 AM - 04:00 AM	51.1	45.4

Approved by

Sarayuht Jittranoit
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588972-1

Page 3 of 3

Sample Number 2635082-17
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมท่าเรือคลองสำโรง (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwanarat
Sound Level meter Serial No. 531295

May 25, 2026	Leq	L90	May 25, 2026	Leq	L90	May 25, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	47.8	45.3	06:40 AM - 06:45 AM	56.1	50.1	09:20 AM - 09:25 AM	51.9	46.7
04:05 AM - 04:10 AM	47.5	45.5	06:45 AM - 06:50 AM	57.6	51.1	09:25 AM - 09:30 AM	52.2	48.1
04:10 AM - 04:15 AM	47.9	46.0	06:50 AM - 06:55 AM	53.8	49.8	09:30 AM - 09:35 AM	50.6	45.6
04:15 AM - 04:20 AM	49.3	46.4	06:55 AM - 07:00 AM	52.2	49.2	09:35 AM - 09:40 AM	51.4	46.7
04:20 AM - 04:25 AM	49.8	46.3	07:00 AM - 07:05 AM	54.0	48.5	09:40 AM - 09:45 AM	51.7	46.8
04:25 AM - 04:30 AM	48.6	46.3	07:05 AM - 07:10 AM	51.1	46.1	09:45 AM - 09:50 AM	48.1	44.2
04:30 AM - 04:35 AM	49.8	46.7	07:10 AM - 07:15 AM	50.1	45.7	09:50 AM - 09:55 AM	51.0	43.3
04:35 AM - 04:40 AM	51.6	47.1	07:15 AM - 07:20 AM	47.5	44.5	09:55 AM - 10:00 AM	49.6	43.3
04:40 AM - 04:45 AM	51.4	48.4	07:20 AM - 07:25 AM	47.6	43.8	10:00 AM - 10:05 AM	48.8	43.8
04:45 AM - 04:50 AM	50.3	47.9	07:25 AM - 07:30 AM	47.7	44.1	10:05 AM - 10:10 AM	48.3	43.4
04:50 AM - 04:55 AM	50.5	48.7	07:30 AM - 07:35 AM	47.4	44.0	10:10 AM - 10:15 AM	49.3	43.4
04:55 AM - 05:00 AM	54.9	49.2	07:35 AM - 07:40 AM	50.4	43.3	10:15 AM - 10:20 AM	48.1	44.1
05:00 AM - 05:05 AM	52.2	49.5	07:40 AM - 07:45 AM	46.9	42.9	10:20 AM - 10:25 AM	46.7	41.5
05:05 AM - 05:10 AM	49.5	47.7	07:45 AM - 07:50 AM	46.8	42.0	10:25 AM - 10:30 AM	50.5	44.1
05:10 AM - 05:15 AM	50.1	46.8	07:50 AM - 07:55 AM	68.8	40.3	10:30 AM - 10:35 AM	48.9	42.6
05:15 AM - 05:20 AM	49.8	46.9	07:55 AM - 08:00 AM	46.4	41.3	10:35 AM - 10:40 AM	67.3	43.4
05:20 AM - 05:25 AM	51.8	47.7	08:00 AM - 08:05 AM	49.0	40.8	10:40 AM - 10:45 AM	52.9	43.4
05:25 AM - 05:30 AM	51.0	47.8	08:05 AM - 08:10 AM	46.6	40.6	10:45 AM - 10:50 AM	49.8	43.3
05:30 AM - 05:35 AM	51.7	48.2	08:10 AM - 08:15 AM	46.0	40.5	10:50 AM - 10:55 AM	48.3	41.7
05:35 AM - 05:40 AM	52.7	49.0	08:15 AM - 08:20 AM	46.4	39.8	10:55 AM - 11:00 AM	51.0	43.6
05:40 AM - 05:45 AM	53.1	49.3	08:20 AM - 08:25 AM	46.7	41.6	11:00 AM - 11:05 AM	49.1	43.2
05:45 AM - 05:50 AM	53.3	49.1	08:25 AM - 08:30 AM	48.3	42.1	11:05 AM - 11:10 AM	48.1	43.9
05:50 AM - 05:55 AM	50.7	48.3	08:30 AM - 08:35 AM	47.5	42.1	11:10 AM - 11:15 AM	49.9	45.9
05:55 AM - 06:00 AM	52.0	49.3	08:35 AM - 08:40 AM	47.4	42.1	11:15 AM - 11:20 AM	50.1	44.7
06:00 AM - 06:05 AM	52.0	49.5	08:40 AM - 08:45 AM	47.6	40.7	11:20 AM - 11:25 AM	48.8	44.6
06:05 AM - 06:10 AM	53.0	49.3	08:45 AM - 08:50 AM	44.2	39.3	11:25 AM - 11:30 AM	46.9	43.7
06:10 AM - 06:15 AM	53.6	49.2	08:50 AM - 08:55 AM	45.5	39.5	11:30 AM - 11:35 AM	48.3	45.0
06:15 AM - 06:20 AM	54.8	50.0	08:55 AM - 09:00 AM	46.6	39.1	11:35 AM - 11:40 AM	48.5	43.2
06:20 AM - 06:25 AM	52.3	48.7	09:00 AM - 09:05 AM	48.2	41.1	11:40 AM - 11:45 AM	45.4	40.0
06:25 AM - 06:30 AM	53.4	49.2	09:05 AM - 09:10 AM	50.7	43.1	11:45 AM - 11:50 AM	47.5	43.2
06:30 AM - 06:35 AM	53.8	48.1	09:10 AM - 09:15 AM	50.8	44.3	11:50 AM - 11:55 AM	44.3	39.3
06:35 AM - 06:40 AM	51.6	48.6	09:15 AM - 09:20 AM	51.4	46.0	11:55 AM - 12:00 PM	49.1	45.0



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588973-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample Number 2635082-18
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในเขตโรงงาน (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 25, 2026	Leq	L90	May 25 - May 26, 2026	Leq	L90	May 26, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	48.6	46.7	10:40 PM - 10:45 PM	49.9	47.0	01:20 AM - 01:25 AM	48.2	47.4
08:05 PM - 08:10 PM	48.4	47.0	10:45 PM - 10:50 PM	49.7	46.9	01:25 AM - 01:30 AM	47.9	47.2
08:10 PM - 08:15 PM	48.8	47.1	10:50 PM - 10:55 PM	49.3	47.0	01:30 AM - 01:35 AM	48.9	48.0
08:15 PM - 08:20 PM	50.6	48.3	10:55 PM - 11:00 PM	49.0	46.7	01:35 AM - 01:40 AM	49.0	47.9
08:20 PM - 08:25 PM	50.4	47.8	11:00 PM - 11:05 PM	48.7	46.3	01:40 AM - 01:45 AM	46.9	45.4
08:25 PM - 08:30 PM	49.2	47.2	11:05 PM - 11:10 PM	49.2	47.0	01:45 AM - 01:50 AM	50.3	47.0
08:30 PM - 08:35 PM	50.4	47.6	11:10 PM - 11:15 PM	49.5	47.2	01:50 AM - 01:55 AM	48.1	46.8
08:35 PM - 08:40 PM	51.7	48.0	11:15 PM - 11:20 PM	48.9	46.3	01:55 AM - 02:00 AM	47.9	46.3
08:40 PM - 08:45 PM	48.8	46.8	11:20 PM - 11:25 PM	49.1	46.8	02:00 AM - 02:05 AM	47.9	46.8
08:45 PM - 08:50 PM	50.3	48.1	11:25 PM - 11:30 PM	48.8	46.6	02:05 AM - 02:10 AM	48.0	47.0
08:50 PM - 08:55 PM	49.7	48.3	11:30 PM - 11:35 PM	48.8	46.3	02:10 AM - 02:15 AM	48.3	47.6
08:55 PM - 09:00 PM	48.8	47.6	11:35 PM - 11:40 PM	48.7	46.1	02:15 AM - 02:20 AM	48.6	47.8
09:00 PM - 09:05 PM	49.8	47.8	11:40 PM - 11:45 PM	48.3	46.6	02:20 AM - 02:25 AM	48.8	48.0
09:05 PM - 09:10 PM	49.3	47.8	11:45 PM - 11:50 PM	49.1	47.5	02:25 AM - 02:30 AM	48.6	47.3
09:10 PM - 09:15 PM	49.3	48.2	11:50 PM - 11:55 PM	48.9	47.8	02:30 AM - 02:35 AM	48.7	47.8
09:15 PM - 09:20 PM	49.8	48.0	11:55 PM - 12:00 AM	48.8	47.9	02:35 AM - 02:40 AM	48.9	47.5
09:20 PM - 09:25 PM	48.4	47.4	12:00 AM - 12:05 AM	49.0	47.8	02:40 AM - 02:45 AM	48.3	47.1
09:25 PM - 09:30 PM	48.2	45.9	12:05 AM - 12:10 AM	48.7	47.3	02:45 AM - 02:50 AM	48.1	46.1
09:30 PM - 09:35 PM	50.2	46.4	12:10 AM - 12:15 AM	48.8	47.0	02:50 AM - 02:55 AM	48.6	47.8
09:35 PM - 09:40 PM	50.6	47.1	12:15 AM - 12:20 AM	48.7	46.9	02:55 AM - 03:00 AM	49.2	47.4
09:40 PM - 09:45 PM	49.9	46.8	12:20 AM - 12:25 AM	51.6	41.8	03:00 AM - 03:05 AM	48.6	47.6
09:45 PM - 09:50 PM	51.4	47.3	12:25 AM - 12:30 AM	45.3	41.1	03:05 AM - 03:10 AM	48.4	47.4
09:50 PM - 09:55 PM	50.1	49.2	12:30 AM - 12:35 AM	48.3	44.7	03:10 AM - 03:15 AM	48.8	47.8
09:55 PM - 10:00 PM	49.8	48.8	12:35 AM - 12:40 AM	46.0	44.8	03:15 AM - 03:20 AM	49.0	48.0
10:00 PM - 10:05 PM	51.0	49.2	12:40 AM - 12:45 AM	46.6	45.4	03:20 AM - 03:25 AM	48.6	46.1
10:05 PM - 10:10 PM	51.8	49.4	12:45 AM - 12:50 AM	46.4	44.9	03:25 AM - 03:30 AM	49.6	47.0
10:10 PM - 10:15 PM	53.2	41.9	12:50 AM - 12:55 AM	47.3	46.1	03:30 AM - 03:35 AM	50.0	46.7
10:15 PM - 10:20 PM	46.7	42.3	12:55 AM - 01:00 AM	46.4	45.0	03:35 AM - 03:40 AM	50.1	48.1
10:20 PM - 10:25 PM	50.7	46.8	01:00 AM - 01:05 AM	47.5	46.2	03:40 AM - 03:45 AM	49.6	47.8
10:25 PM - 10:30 PM	51.0	47.1	01:05 AM - 01:10 AM	48.4	46.4	03:45 AM - 03:50 AM	48.0	46.1
10:30 PM - 10:35 PM	52.0	50.3	01:10 AM - 01:15 AM	48.4	44.7	03:50 AM - 03:55 AM	48.7	47.6
10:35 PM - 10:40 PM	50.7	46.6	01:15 AM - 01:20 AM	47.6	45.7	03:55 AM - 04:00 AM	48.7	47.5

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 Jittranon
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588973-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample Number 2635082-18
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในเขตโรงงาน (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 26, 2026	Leq	L90	May 26, 2026	Leq	L90	May 26, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	48.3	47.0	06:40 AM - 06:45 AM	51.5	46.5	09:20 AM - 09:25 AM	48.3	41.2
04:05 AM - 04:10 AM	48.6	47.1	06:45 AM - 06:50 AM	51.5	46.5	09:25 AM - 09:30 AM	46.1	39.9
04:10 AM - 04:15 AM	49.0	47.1	06:50 AM - 06:55 AM	52.8	47.2	09:30 AM - 09:35 AM	48.5	39.9
04:15 AM - 04:20 AM	51.3	46.9	06:55 AM - 07:00 AM	49.4	45.7	09:35 AM - 09:40 AM	48.4	39.7
04:20 AM - 04:25 AM	51.3	46.9	07:00 AM - 07:05 AM	49.9	44.4	09:40 AM - 09:45 AM	49.0	40.0
04:25 AM - 04:30 AM	50.0	46.9	07:05 AM - 07:10 AM	48.0	42.8	09:45 AM - 09:50 AM	55.0	48.0
04:30 AM - 04:35 AM	49.7	47.1	07:10 AM - 07:15 AM	46.0	41.9	09:50 AM - 09:55 AM	59.7	46.1
04:35 AM - 04:40 AM	52.5	48.0	07:15 AM - 07:20 AM	52.2	39.9	09:55 AM - 10:00 AM	61.1	48.6
04:40 AM - 04:45 AM	69.8	44.2	07:20 AM - 07:25 AM	51.7	43.3	10:00 AM - 10:05 AM	59.7	50.3
04:45 AM - 04:50 AM	68.7	48.0	07:25 AM - 07:30 AM	46.9	42.7	10:05 AM - 10:10 AM	50.4	45.7
04:50 AM - 04:55 AM	50.2	48.0	07:30 AM - 07:35 AM	46.8	39.5	10:10 AM - 10:15 AM	60.6	49.9
04:55 AM - 05:00 AM	50.1	48.0	07:35 AM - 07:40 AM	47.9	39.3	10:15 AM - 10:20 AM	58.8	48.4
05:00 AM - 05:05 AM	48.9	47.1	07:40 AM - 07:45 AM	45.8	38.3	10:20 AM - 10:25 AM	57.4	48.4
05:05 AM - 05:10 AM	49.2	47.1	07:45 AM - 07:50 AM	48.5	38.3	10:25 AM - 10:30 AM	58.7	48.6
05:10 AM - 05:15 AM	49.0	47.1	07:50 AM - 07:55 AM	59.9	38.0	10:30 AM - 10:35 AM	58.5	48.9
05:15 AM - 05:20 AM	50.0	47.1	07:55 AM - 08:00 AM	49.9	38.5	10:35 AM - 10:40 AM	55.2	48.1
05:20 AM - 05:25 AM	52.3	47.0	08:00 AM - 08:05 AM	45.8	38.9	10:40 AM - 10:45 AM	58.8	49.4
05:25 AM - 05:30 AM	50.6	48.2	08:05 AM - 08:10 AM	48.0	41.2	10:45 AM - 10:50 AM	60.6	52.8
05:30 AM - 05:35 AM	50.3	46.6	08:10 AM - 08:15 AM	48.2	39.3	10:50 AM - 10:55 AM	57.4	49.8
05:35 AM - 05:40 AM	49.7	46.1	08:15 AM - 08:20 AM	47.8	35.6	10:55 AM - 11:00 AM	57.1	50.6
05:40 AM - 05:45 AM	48.9	46.8	08:20 AM - 08:25 AM	48.7	36.8	11:00 AM - 11:05 AM	58.4	50.8
05:45 AM - 05:50 AM	50.7	47.3	08:25 AM - 08:30 AM	48.6	38.4	11:05 AM - 11:10 AM	58.4	50.3
05:50 AM - 05:55 AM	51.9	49.4	08:30 AM - 08:35 AM	45.6	39.5	11:10 AM - 11:15 AM	60.8	50.3
05:55 AM - 06:00 AM	50.7	47.6	08:35 AM - 08:40 AM	47.3	41.7	11:15 AM - 11:20 AM	57.0	45.4
06:00 AM - 06:05 AM	52.2	48.1	08:40 AM - 08:45 AM	47.3	44.4	11:20 AM - 11:25 AM	46.5	40.4
06:05 AM - 06:10 AM	54.1	47.5	08:45 AM - 08:50 AM	48.0	43.1	11:25 AM - 11:30 AM	50.7	47.1
06:10 AM - 06:15 AM	52.2	47.6	08:50 AM - 08:55 AM	48.3	43.1	11:30 AM - 11:35 AM	48.7	45.5
06:15 AM - 06:20 AM	53.3	48.6	08:55 AM - 09:00 AM	44.7	39.0	11:35 AM - 11:40 AM	47.2	42.3
06:20 AM - 06:25 AM	52.1	48.4	09:00 AM - 09:05 AM	49.7	36.9	11:40 AM - 11:45 AM	47.7	42.7
06:25 AM - 06:30 AM	52.8	47.7	09:05 AM - 09:10 AM	44.3	38.5	11:45 AM - 11:50 AM	47.8	44.2
06:30 AM - 06:35 AM	54.2	47.7	09:10 AM - 09:15 AM	44.8	38.1	11:50 AM - 11:55 AM	47.5	41.5
06:35 AM - 06:40 AM	61.2	46.9	09:15 AM - 09:20 AM	48.3	40.4	11:55 AM - 12:00 PM	47.7	44.5

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Approved by

Sarayuth Jittranon
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588974-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample Number 2635082-19
Parameter Noise Level (Leq 5 min)
Location ที่บ้านพักอาศัยในเขตโรงงาน (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 26, 2026	Leq	L90	May 26, 2026	Leq	L90	May 26, 2026	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	43.9	02:40 PM - 02:45 PM	53.2	48.1	05:20 PM - 05:25 PM	47.5	45.2
12:05 PM - 12:10 PM	50.3	44.0	02:45 PM - 02:50 PM	61.2	46.9	05:25 PM - 05:30 PM	51.0	44.4
12:10 PM - 12:15 PM	50.3	47.0	02:50 PM - 02:55 PM	61.0	49.8	05:30 PM - 05:35 PM	46.0	42.7
12:15 PM - 12:20 PM	50.0	46.0	02:55 PM - 03:00 PM	61.6	50.9	05:35 PM - 05:40 PM	47.7	44.1
12:20 PM - 12:25 PM	57.9	50.7	03:00 PM - 03:05 PM	62.7	44.3	05:40 PM - 05:45 PM	53.0	50.0
12:25 PM - 12:30 PM	57.0	53.1	03:05 PM - 03:10 PM	49.9	44.3	05:45 PM - 05:50 PM	52.1	45.5
12:30 PM - 12:35 PM	56.7	51.5	03:10 PM - 03:15 PM	49.2	45.7	05:50 PM - 05:55 PM	55.9	47.8
12:35 PM - 12:40 PM	55.9	52.1	03:15 PM - 03:20 PM	50.0	45.8	05:55 PM - 06:00 PM	54.8	47.4
12:40 PM - 12:45 PM	59.0	51.6	03:20 PM - 03:25 PM	49.8	44.4	06:00 PM - 06:05 PM	54.7	46.9
12:45 PM - 12:50 PM	54.3	47.9	03:25 PM - 03:30 PM	47.2	44.0	06:05 PM - 06:10 PM	54.7	47.2
12:50 PM - 12:55 PM	56.4	51.7	03:30 PM - 03:35 PM	49.4	44.6	06:10 PM - 06:15 PM	56.1	47.5
12:55 PM - 01:00 PM	53.0	43.8	03:35 PM - 03:40 PM	49.5	45.4	06:15 PM - 06:20 PM	57.9	49.6
01:00 PM - 01:05 PM	54.9	49.2	03:40 PM - 03:45 PM	49.5	44.8	06:20 PM - 06:25 PM	59.3	54.0
01:05 PM - 01:10 PM	64.1	51.9	03:45 PM - 03:50 PM	52.8	45.9	06:25 PM - 06:30 PM	59.2	51.8
01:10 PM - 01:15 PM	55.8	52.4	03:50 PM - 03:55 PM	63.4	44.7	06:30 PM - 06:35 PM	58.3	51.5
01:15 PM - 01:20 PM	52.4	49.1	03:55 PM - 04:00 PM	47.6	44.2	06:35 PM - 06:40 PM	58.8	52.7
01:20 PM - 01:25 PM	61.2	49.2	04:00 PM - 04:05 PM	49.3	43.7	06:40 PM - 06:45 PM	59.2	53.9
01:25 PM - 01:30 PM	54.0	50.1	04:05 PM - 04:10 PM	48.8	44.5	06:45 PM - 06:50 PM	59.1	53.7
01:30 PM - 01:35 PM	59.1	50.1	04:10 PM - 04:15 PM	50.1	45.5	06:50 PM - 06:55 PM	59.3	53.6
01:35 PM - 01:40 PM	53.6	49.0	04:15 PM - 04:20 PM	49.2	45.7	06:55 PM - 07:00 PM	58.8	53.1
01:40 PM - 01:45 PM	58.4	51.1	04:20 PM - 04:25 PM	49.4	45.2	07:00 PM - 07:05 PM	58.0	51.4
01:45 PM - 01:50 PM	54.7	46.4	04:25 PM - 04:30 PM	49.2	45.3	07:05 PM - 07:10 PM	57.6	51.1
01:50 PM - 01:55 PM	55.3	51.1	04:30 PM - 04:35 PM	50.0	44.5	07:10 PM - 07:15 PM	57.5	51.3
01:55 PM - 02:00 PM	55.0	47.1	04:35 PM - 04:40 PM	48.6	44.4	07:15 PM - 07:20 PM	58.3	52.6
02:00 PM - 02:05 PM	51.1	48.2	04:40 PM - 04:45 PM	49.3	44.6	07:20 PM - 07:25 PM	58.2	52.2
02:05 PM - 02:10 PM	52.1	49.4	04:45 PM - 04:50 PM	48.7	44.5	07:25 PM - 07:30 PM	57.4	51.5
02:10 PM - 02:15 PM	54.3	48.6	04:50 PM - 04:55 PM	48.1	43.3	07:30 PM - 07:35 PM	56.2	50.4
02:15 PM - 02:20 PM	54.5	49.0	04:55 PM - 05:00 PM	51.5	44.9	07:35 PM - 07:40 PM	56.8	49.8
02:20 PM - 02:25 PM	51.1	46.8	05:00 PM - 05:05 PM	46.6	41.1	07:40 PM - 07:45 PM	56.4	48.8
02:25 PM - 02:30 PM	52.9	47.9	05:05 PM - 05:10 PM	46.0	42.5	07:45 PM - 07:50 PM	56.2	48.2
02:30 PM - 02:35 PM	49.5	46.6	05:10 PM - 05:15 PM	48.0	44.4	07:50 PM - 07:55 PM	55.0	47.0
02:35 PM - 02:40 PM	52.3	48.6	05:15 PM - 05:20 PM	47.0	43.4	07:55 PM - 08:00 PM	56.5	48.8



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588975-1

Page 3 of 3

Sample Number 2635082-19
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน(โรงทาน) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 26 - May 27, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 27, 2026	Leq	L90	May 27, 2026	Leq	L90	May 27, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	54.2	50.1	06:40 AM - 06:45 AM	50.7	45.1	09:20 AM - 09:25 AM	45.6	41.1
04:05 AM - 04:10 AM	54.7	51.4	06:45 AM - 06:50 AM	52.9	46.2	09:25 AM - 09:30 AM	44.1	38.8
04:10 AM - 04:15 AM	54.3	49.8	06:50 AM - 06:55 AM	50.8	45.4	09:30 AM - 09:35 AM	41.9	37.9
04:15 AM - 04:20 AM	55.9	51.4	06:55 AM - 07:00 AM	51.2	43.9	09:35 AM - 09:40 AM	44.8	39.4
04:20 AM - 04:25 AM	54.7	51.0	07:00 AM - 07:05 AM	49.6	43.6	09:40 AM - 09:45 AM	44.9	39.8
04:25 AM - 04:30 AM	54.8	51.4	07:05 AM - 07:10 AM	49.0	41.3	09:45 AM - 09:50 AM	45.6	42.2
04:30 AM - 04:35 AM	54.4	49.2	07:10 AM - 07:15 AM	44.8	40.5	09:50 AM - 09:55 AM	44.9	40.4
04:35 AM - 04:40 AM	53.3	48.4	07:15 AM - 07:20 AM	48.1	42.3	09:55 AM - 10:00 AM	45.0	40.0
04:40 AM - 04:45 AM	53.9	49.4	07:20 AM - 07:25 AM	48.8	44.3	10:00 AM - 10:05 AM	50.1	40.0
04:45 AM - 04:50 AM	50.6	48.2	07:25 AM - 07:30 AM	46.2	40.2	10:05 AM - 10:10 AM	44.7	40.4
04:50 AM - 04:55 AM	50.0	47.9	07:30 AM - 07:35 AM	51.1	39.9	10:10 AM - 10:15 AM	44.6	40.9
04:55 AM - 05:00 AM	50.5	47.2	07:35 AM - 07:40 AM	44.9	39.8	10:15 AM - 10:20 AM	44.2	40.3
05:00 AM - 05:05 AM	53.6	48.0	07:40 AM - 07:45 AM	44.9	40.0	10:20 AM - 10:25 AM	46.5	43.3
05:05 AM - 05:10 AM	51.6	47.6	07:45 AM - 07:50 AM	51.8	40.4	10:25 AM - 10:30 AM	49.6	40.1
05:10 AM - 05:15 AM	52.4	47.2	07:50 AM - 07:55 AM	46.6	40.2	10:30 AM - 10:35 AM	44.6	40.7
05:15 AM - 05:20 AM	51.4	46.0	07:55 AM - 08:00 AM	47.8	39.7	10:35 AM - 10:40 AM	44.8	39.6
05:20 AM - 05:25 AM	52.3	46.6	08:00 AM - 08:05 AM	46.6	40.1	10:40 AM - 10:45 AM	45.1	41.3
05:25 AM - 05:30 AM	51.5	47.8	08:05 AM - 08:10 AM	45.0	38.7	10:45 AM - 10:50 AM	45.5	41.6
05:30 AM - 05:35 AM	50.5	46.1	08:10 AM - 08:15 AM	46.7	38.4	10:50 AM - 10:55 AM	46.2	41.4
05:35 AM - 05:40 AM	50.5	47.1	08:15 AM - 08:20 AM	44.2	39.4	10:55 AM - 11:00 AM	44.4	41.4
05:40 AM - 05:45 AM	49.1	45.4	08:20 AM - 08:25 AM	45.7	40.4	11:00 AM - 11:05 AM	45.8	41.4
05:45 AM - 05:50 AM	50.4	46.3	08:25 AM - 08:30 AM	44.7	40.7	11:05 AM - 11:10 AM	44.4	40.0
05:50 AM - 05:55 AM	50.4	46.1	08:30 AM - 08:35 AM	44.2	39.1	11:10 AM - 11:15 AM	44.0	40.3
05:55 AM - 06:00 AM	55.8	46.8	08:35 AM - 08:40 AM	44.4	39.0	11:15 AM - 11:20 AM	44.6	41.2
06:00 AM - 06:05 AM	51.8	46.7	08:40 AM - 08:45 AM	44.7	37.6	11:20 AM - 11:25 AM	43.3	38.5
06:05 AM - 06:10 AM	50.5	46.0	08:45 AM - 08:50 AM	43.1	39.6	11:25 AM - 11:30 AM	49.0	42.0
06:10 AM - 06:15 AM	50.9	46.4	08:50 AM - 08:55 AM	43.6	38.6	11:30 AM - 11:35 AM	47.5	41.6
06:15 AM - 06:20 AM	50.4	46.1	08:55 AM - 09:00 AM	47.1	40.1	11:35 AM - 11:40 AM	47.6	42.0
06:20 AM - 06:25 AM	49.3	45.5	09:00 AM - 09:05 AM	47.7	39.3	11:40 AM - 11:45 AM	45.2	40.9
06:25 AM - 06:30 AM	49.9	45.2	09:05 AM - 09:10 AM	43.4	39.3	11:45 AM - 11:50 AM	47.0	40.9
06:30 AM - 06:35 AM	49.8	46.1	09:10 AM - 09:15 AM	45.5	40.1	11:50 AM - 11:55 AM	49.0	42.2
06:35 AM - 06:40 AM	50.3	45.6	09:15 AM - 09:20 AM	44.7	40.0	11:55 AM - 12:00 PM	46.6	42.1

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588975-1

Page 1 of 3

Sample Number 2635082-20
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน(โรงทาน) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 27, 2026	Leq	L90	May 27, 2026	Leq	L90	May 27, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	44.4	38.2	02:40 PM - 02:45 PM	48.9	44.7	05:20 PM - 05:25 PM	50.9	47.8
12:05 PM - 12:10 PM	44.5	39.2	02:45 PM - 02:50 PM	51.6	46.1	05:25 PM - 05:30 PM	49.8	46.7
12:10 PM - 12:15 PM	42.0	38.5	02:50 PM - 02:55 PM	51.2	47.0	05:30 PM - 05:35 PM	49.9	46.7
12:15 PM - 12:20 PM	43.6	39.1	02:55 PM - 03:00 PM	49.7	45.4	05:35 PM - 05:40 PM	49.0	45.1
12:20 PM - 12:25 PM	45.6	41.9	03:00 PM - 03:05 PM	53.9	49.5	05:40 PM - 05:45 PM	48.8	44.9
12:25 PM - 12:30 PM	44.5	38.4	03:05 PM - 03:10 PM	49.5	45.7	05:45 PM - 05:50 PM	49.4	45.2
12:30 PM - 12:35 PM	44.5	40.4	03:10 PM - 03:15 PM	50.2	45.8	05:50 PM - 05:55 PM	48.8	45.2
12:35 PM - 12:40 PM	44.0	40.0	03:15 PM - 03:20 PM	52.0	48.6	05:55 PM - 06:00 PM	49.7	44.8
12:40 PM - 12:45 PM	48.1	39.4	03:20 PM - 03:25 PM	52.2	49.0	06:00 PM - 06:05 PM	48.1	44.5
12:45 PM - 12:50 PM	46.4	40.7	03:25 PM - 03:30 PM	52.0	46.0	06:05 PM - 06:10 PM	48.5	44.7
12:50 PM - 12:55 PM	45.1	41.0	03:30 PM - 03:35 PM	51.0	46.1	06:10 PM - 06:15 PM	49.0	46.1
12:55 PM - 01:00 PM	41.4	39.0	03:35 PM - 03:40 PM	50.7	46.6	06:15 PM - 06:20 PM	53.5	46.9
01:00 PM - 01:05 PM	44.7	40.2	03:40 PM - 03:45 PM	53.0	46.1	06:20 PM - 06:25 PM	53.4	48.9
01:05 PM - 01:10 PM	45.1	41.8	03:45 PM - 03:50 PM	50.6	47.4	06:25 PM - 06:30 PM	54.8	52.1
01:10 PM - 01:15 PM	45.4	40.5	03:50 PM - 03:55 PM	50.4	47.6	06:30 PM - 06:35 PM	54.5	51.3
01:15 PM - 01:20 PM	44.6	41.6	03:55 PM - 04:00 PM	49.7	47.5	06:35 PM - 06:40 PM	54.0	49.9
01:20 PM - 01:25 PM	47.3	42.1	04:00 PM - 04:05 PM	50.3	47.1	06:40 PM - 06:45 PM	54.0	50.2
01:25 PM - 01:30 PM	48.2	42.1	04:05 PM - 04:10 PM	50.4	45.3	06:45 PM - 06:50 PM	55.0	51.8
01:30 PM - 01:35 PM	46.3	42.8	04:10 PM - 04:15 PM	49.3	46.5	06:50 PM - 06:55 PM	55.2	52.7
01:35 PM - 01:40 PM	44.7	41.7	04:15 PM - 04:20 PM	50.0	47.4	06:55 PM - 07:00 PM	54.6	52.4
01:40 PM - 01:45 PM	52.3	44.6	04:20 PM - 04:25 PM	51.0	48.3	07:00 PM - 07:05 PM	53.7	51.1
01:45 PM - 01:50 PM	50.6	47.1	04:25 PM - 04:30 PM	53.2	49.6	07:05 PM - 07:10 PM	53.2	51.0
01:50 PM - 01:55 PM	50.7	44.2	04:30 PM - 04:35 PM	51.6	48.2	07:10 PM - 07:15 PM	52.3	50.2
01:55 PM - 02:00 PM	49.1	44.0	04:35 PM - 04:40 PM	56.9	49.0	07:15 PM - 07:20 PM	53.9	51.3
02:00 PM - 02:05 PM	50.1	44.5	04:40 PM - 04:45 PM	59.0	48.6	07:20 PM - 07:25 PM	52.5	50.6
02:05 PM - 02:10 PM	49.9	45.9	04:45 PM - 04:50 PM	51.1	47.5	07:25 PM - 07:30 PM	52.0	49.8
02:10 PM - 02:15 PM	52.0	48.3	04:50 PM - 04:55 PM	51.4	48.9	07:30 PM - 07:35 PM	52.0	49.9
02:15 PM - 02:20 PM	49.5	45.8	04:55 PM - 05:00 PM	50.9	48.4	07:35 PM - 07:40 PM	52.5	50.2
02:20 PM - 02:25 PM	50.8	47.5	05:00 PM - 05:05 PM	51.1	48.7	07:40 PM - 07:45 PM	52.6	50.0
02:25 PM - 02:30 PM	50.4	47.2	05:05 PM - 05:10 PM	49.6	47.4	07:45 PM - 07:50 PM	53.3	51.0
02:30 PM - 02:35 PM	48.1	44.2	05:10 PM - 05:15 PM	49.1	45.8	07:50 PM - 07:55 PM	53.5	51.1
02:35 PM - 02:40 PM	49.2	44.8	05:15 PM - 05:20 PM	50.5	46.9	07:55 PM - 08:00 PM	53.0	50.7

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Approved by

Sarayuht Jittrantorn
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588975-1

Page 2 of 3

Sample Number 2635082-20
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน(โรงทาน) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 27, 2026	Leq	L90	May 27 - May 28, 2026	Leq	L90	May 28, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	53.0	51.0	10:40 PM - 10:45 PM	46.1	44.7	01:20 AM - 01:25 AM	47.8	46.7
08:05 PM - 08:10 PM	53.1	51.1	10:45 PM - 10:50 PM	46.6	45.3	01:25 AM - 01:30 AM	47.2	46.4
08:10 PM - 08:15 PM	53.0	50.8	10:50 PM - 10:55 PM	46.7	45.4	01:30 AM - 01:35 AM	47.0	46.2
08:15 PM - 08:20 PM	53.1	50.4	10:55 PM - 11:00 PM	46.7	44.8	01:35 AM - 01:40 AM	47.6	46.7
08:20 PM - 08:25 PM	52.7	50.4	11:00 PM - 11:05 PM	46.3	44.5	01:40 AM - 01:45 AM	48.4	46.9
08:25 PM - 08:30 PM	52.3	50.0	11:05 PM - 11:10 PM	45.7	44.4	01:45 AM - 01:50 AM	47.1	46.0
08:30 PM - 08:35 PM	52.2	48.9	11:10 PM - 11:15 PM	46.3	44.8	01:50 AM - 01:55 AM	46.4	45.1
08:35 PM - 08:40 PM	50.1	46.9	11:15 PM - 11:20 PM	45.8	44.0	01:55 AM - 02:00 AM	47.3	45.4
08:40 PM - 08:45 PM	51.1	47.1	11:20 PM - 11:25 PM	45.4	44.4	02:00 AM - 02:05 AM	48.0	46.2
08:45 PM - 08:50 PM	49.6	47.8	11:25 PM - 11:30 PM	44.3	39.7	02:05 AM - 02:10 AM	48.1	46.4
08:50 PM - 08:55 PM	49.2	47.8	11:30 PM - 11:35 PM	44.0	43.3	02:10 AM - 02:15 AM	47.2	46.0
08:55 PM - 09:00 PM	48.3	47.3	11:35 PM - 11:40 PM	43.2	42.6	02:15 AM - 02:20 AM	46.9	46.1
09:00 PM - 09:05 PM	48.2	47.1	11:40 PM - 11:45 PM	44.3	43.1	02:20 AM - 02:25 AM	46.2	45.2
09:05 PM - 09:10 PM	48.2	47.0	11:45 PM - 11:50 PM	43.6	42.2	02:25 AM - 02:30 AM	46.7	45.7
09:10 PM - 09:15 PM	48.1	46.2	11:50 PM - 11:55 PM	44.9	44.0	02:30 AM - 02:35 AM	46.9	45.9
09:15 PM - 09:20 PM	46.9	45.5	11:55 PM - 12:00 AM	45.6	44.6	02:35 AM - 02:40 AM	46.9	46.1
09:20 PM - 09:25 PM	48.0	45.4	12:00 AM - 12:05 AM	46.5	45.7	02:40 AM - 02:45 AM	47.0	46.1
09:25 PM - 09:30 PM	46.8	45.7	12:05 AM - 12:10 AM	46.7	45.8	02:45 AM - 02:50 AM	47.0	45.5
09:30 PM - 09:35 PM	46.8	45.8	12:10 AM - 12:15 AM	47.2	46.1	02:50 AM - 02:55 AM	47.4	46.1
09:35 PM - 09:40 PM	46.6	45.3	12:15 AM - 12:20 AM	47.1	45.8	02:55 AM - 03:00 AM	47.0	45.4
09:40 PM - 09:45 PM	46.7	45.3	12:20 AM - 12:25 AM	46.9	45.8	03:00 AM - 03:05 AM	46.4	44.1
09:45 PM - 09:50 PM	46.7	45.3	12:25 AM - 12:30 AM	47.1	46.1	03:05 AM - 03:10 AM	47.2	45.5
09:50 PM - 09:55 PM	46.7	45.3	12:30 AM - 12:35 AM	46.4	45.3	03:10 AM - 03:15 AM	48.5	47.0
09:55 PM - 10:00 PM	46.7	45.0	12:35 AM - 12:40 AM	46.9	45.8	03:15 AM - 03:20 AM	49.1	47.2
10:00 PM - 10:05 PM	46.9	45.2	12:40 AM - 12:45 AM	46.9	46.0	03:20 AM - 03:25 AM	49.1	47.1
10:05 PM - 10:10 PM	47.1	46.3	12:45 AM - 12:50 AM	47.2	46.0	03:25 AM - 03:30 AM	48.2	46.6
10:10 PM - 10:15 PM	47.8	45.9	12:50 AM - 12:55 AM	47.5	45.8	03:30 AM - 03:35 AM	48.1	46.3
10:15 PM - 10:20 PM	47.7	45.7	12:55 AM - 01:00 AM	48.3	47.0	03:35 AM - 03:40 AM	49.1	46.6
10:20 PM - 10:25 PM	47.1	45.0	01:00 AM - 01:05 AM	48.4	47.0	03:40 AM - 03:45 AM	48.7	46.3
10:25 PM - 10:30 PM	46.8	45.4	01:05 AM - 01:10 AM	47.4	46.2	03:45 AM - 03:50 AM	48.5	46.9
10:30 PM - 10:35 PM	46.2	44.9	01:10 AM - 01:15 AM	47.1	45.9	03:50 AM - 03:55 AM	48.8	47.1
10:35 PM - 10:40 PM	45.5	43.7	01:15 AM - 01:20 AM	47.3	46.5	03:55 AM - 04:00 AM	48.4	45.9



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588976-1

Page 1 of 3

Sample Number 2635082-21
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 28, 2026	Leq	L90	May 28, 2026	Leq	L90	May 28, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	47.6	40.3	02:40 PM - 02:45 PM	47.9	42.9	05:20 PM - 05:25 PM	47.4	41.4
12:05 PM - 12:10 PM	46.3	40.5	02:45 PM - 02:50 PM	48.8	42.0	05:25 PM - 05:30 PM	44.4	40.1
12:10 PM - 12:15 PM	49.6	43.1	02:50 PM - 02:55 PM	49.4	43.8	05:30 PM - 05:35 PM	54.7	42.4
12:15 PM - 12:20 PM	45.6	43.1	02:55 PM - 03:00 PM	46.3	42.9	05:35 PM - 05:40 PM	45.1	41.2
12:20 PM - 12:25 PM	47.9	43.7	03:00 PM - 03:05 PM	45.2	42.2	05:40 PM - 05:45 PM	46.1	41.6
12:25 PM - 12:30 PM	48.7	45.5	03:05 PM - 03:10 PM	46.4	42.9	05:45 PM - 05:50 PM	48.2	41.7
12:30 PM - 12:35 PM	50.4	45.2	03:10 PM - 03:15 PM	45.1	41.8	05:50 PM - 05:55 PM	45.1	40.8
12:35 PM - 12:40 PM	46.0	42.3	03:15 PM - 03:20 PM	44.8	40.6	05:55 PM - 06:00 PM	45.9	41.7
12:40 PM - 12:45 PM	49.1	42.8	03:20 PM - 03:25 PM	44.8	41.3	06:00 PM - 06:05 PM	49.1	42.7
12:45 PM - 12:50 PM	50.6	43.4	03:25 PM - 03:30 PM	47.7	40.5	06:05 PM - 06:10 PM	48.2	42.1
12:50 PM - 12:55 PM	48.6	45.2	03:30 PM - 03:35 PM	47.0	42.1	06:10 PM - 06:15 PM	46.4	41.8
12:55 PM - 01:00 PM	49.8	46.4	03:35 PM - 03:40 PM	46.0	41.7	06:15 PM - 06:20 PM	48.4	44.0
01:00 PM - 01:05 PM	49.8	46.0	03:40 PM - 03:45 PM	46.5	41.1	06:20 PM - 06:25 PM	48.9	45.9
01:05 PM - 01:10 PM	50.1	46.8	03:45 PM - 03:50 PM	49.2	44.8	06:25 PM - 06:30 PM	51.4	47.5
01:10 PM - 01:15 PM	51.1	48.2	03:50 PM - 03:55 PM	57.9	48.7	06:30 PM - 06:35 PM	51.8	48.6
01:15 PM - 01:20 PM	49.9	46.3	03:55 PM - 04:00 PM	50.2	44.5	06:35 PM - 06:40 PM	51.5	48.3
01:20 PM - 01:25 PM	50.9	47.8	04:00 PM - 04:05 PM	46.6	43.2	06:40 PM - 06:45 PM	50.9	47.7
01:25 PM - 01:30 PM	49.8	45.8	04:05 PM - 04:10 PM	54.6	42.5	06:45 PM - 06:50 PM	50.9	47.7
01:30 PM - 01:35 PM	46.2	42.8	04:10 PM - 04:15 PM	54.0	45.3	06:50 PM - 06:55 PM	50.5	47.4
01:35 PM - 01:40 PM	51.0	46.7	04:15 PM - 04:20 PM	48.8	44.9	06:55 PM - 07:00 PM	49.1	45.6
01:40 PM - 01:45 PM	49.6	45.7	04:20 PM - 04:25 PM	48.7	44.2	07:00 PM - 07:05 PM	49.5	44.8
01:45 PM - 01:50 PM	51.5	47.1	04:25 PM - 04:30 PM	46.4	40.5	07:05 PM - 07:10 PM	48.6	45.0
01:50 PM - 01:55 PM	50.6	47.0	04:30 PM - 04:35 PM	45.8	41.8	07:10 PM - 07:15 PM	48.6	44.8
01:55 PM - 02:00 PM	50.6	46.0	04:35 PM - 04:40 PM	45.7	41.2	07:15 PM - 07:20 PM	52.3	46.8
02:00 PM - 02:05 PM	51.1	47.6	04:40 PM - 04:45 PM	47.0	41.0	07:20 PM - 07:25 PM	47.5	45.5
02:05 PM - 02:10 PM	50.2	47.4	04:45 PM - 04:50 PM	46.0	41.5	07:25 PM - 07:30 PM	45.6	43.9
02:10 PM - 02:15 PM	52.9	47.7	04:50 PM - 04:55 PM	46.7	42.8	07:30 PM - 07:35 PM	47.9	44.6
02:15 PM - 02:20 PM	53.1	48.5	04:55 PM - 05:00 PM	45.5	42.8	07:35 PM - 07:40 PM	48.1	44.8
02:20 PM - 02:25 PM	50.3	46.1	05:00 PM - 05:05 PM	47.1	41.6	07:40 PM - 07:45 PM	48.1	44.8
02:25 PM - 02:30 PM	49.5	45.4	05:05 PM - 05:10 PM	48.2	42.5	07:45 PM - 07:50 PM	49.7	45.5
02:30 PM - 02:35 PM	49.9	43.7	05:10 PM - 05:15 PM	47.8	42.0	07:50 PM - 07:55 PM	49.6	44.9
02:35 PM - 02:40 PM	50.4	44.8	05:15 PM - 05:20 PM	46.5	41.3	07:55 PM - 08:00 PM	49.0	45.7

Approved by

Sarayuht Jittrantorn
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588976-1

Page 2 of 3

Sample Number 2635082-21
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 28, 2026	Leq	L90	May 28 - May 29, 2026	Leq	L90	May 29, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	49.7	46.6	10:40 PM - 10:45 PM	49.1	46.8	01:20 AM - 01:25 AM	46.3	45.5
08:05 PM - 08:10 PM	49.5	46.4	10:45 PM - 10:50 PM	48.4	46.7	01:25 AM - 01:30 AM	46.1	45.4
08:10 PM - 08:15 PM	50.0	46.9	10:50 PM - 10:55 PM	47.3	46.1	01:30 AM - 01:35 AM	46.9	46.3
08:15 PM - 08:20 PM	51.3	47.6	10:55 PM - 11:00 PM	47.4	45.6	01:35 AM - 01:40 AM	47.1	46.5
08:20 PM - 08:25 PM	48.2	46.5	11:00 PM - 11:05 PM	48.4	47.0	01:40 AM - 01:45 AM	47.5	46.2
08:25 PM - 08:30 PM	49.0	46.9	11:05 PM - 11:10 PM	48.7	47.5	01:45 AM - 01:50 AM	45.3	44.6
08:30 PM - 08:35 PM	48.7	46.8	11:10 PM - 11:15 PM	47.9	46.7	01:50 AM - 01:55 AM	45.0	43.8
08:35 PM - 08:40 PM	50.7	47.1	11:15 PM - 11:20 PM	47.7	46.2	01:55 AM - 02:00 AM	45.7	44.8
08:40 PM - 08:45 PM	48.6	47.3	11:20 PM - 11:25 PM	46.9	45.4	02:00 AM - 02:05 AM	46.1	45.3
08:45 PM - 08:50 PM	48.4	47.1	11:25 PM - 11:30 PM	45.9	45.0	02:05 AM - 02:10 AM	46.0	45.2
08:50 PM - 08:55 PM	48.6	46.8	11:30 PM - 11:35 PM	47.6	46.5	02:10 AM - 02:15 AM	45.3	44.5
08:55 PM - 09:00 PM	49.3	47.2	11:35 PM - 11:40 PM	47.2	45.8	02:15 AM - 02:20 AM	45.2	44.6
09:00 PM - 09:05 PM	49.0	47.0	11:40 PM - 11:45 PM	47.7	46.6	02:20 AM - 02:25 AM	45.8	43.3
09:05 PM - 09:10 PM	49.0	46.3	11:45 PM - 11:50 PM	47.9	46.7	02:25 AM - 02:30 AM	44.7	43.0
09:10 PM - 09:15 PM	49.8	47.1	11:50 PM - 11:55 PM	48.3	47.0	02:30 AM - 02:35 AM	43.8	42.8
09:15 PM - 09:20 PM	50.3	47.7	11:55 PM - 12:00 AM	47.7	46.6	02:35 AM - 02:40 AM	43.5	42.9
09:20 PM - 09:25 PM	49.7	47.1	12:00 AM - 12:05 AM	47.7	46.9	02:40 AM - 02:45 AM	44.6	43.8
09:25 PM - 09:30 PM	49.8	47.3	12:05 AM - 12:10 AM	47.6	46.7	02:45 AM - 02:50 AM	45.7	44.3
09:30 PM - 09:35 PM	49.9	47.9	12:10 AM - 12:15 AM	47.3	46.4	02:50 AM - 02:55 AM	44.1	43.3
09:35 PM - 09:40 PM	49.3	47.3	12:15 AM - 12:20 AM	46.8	45.9	02:55 AM - 03:00 AM	44.4	43.6
09:40 PM - 09:45 PM	48.0	47.1	12:20 AM - 12:25 AM	46.6	45.6	03:00 AM - 03:05 AM	43.9	43.3
09:45 PM - 09:50 PM	49.5	46.3	12:25 AM - 12:30 AM	47.1	46.4	03:05 AM - 03:10 AM	45.1	43.4
09:50 PM - 09:55 PM	50.3	47.3	12:30 AM - 12:35 AM	45.9	45.0	03:10 AM - 03:15 AM	47.4	45.6
09:55 PM - 10:00 PM	49.1	47.3	12:35 AM - 12:40 AM	45.6	44.7	03:15 AM - 03:20 AM	48.3	46.9
10:00 PM - 10:05 PM	48.0	46.7	12:40 AM - 12:45 AM	45.9	45.2	03:20 AM - 03:25 AM	46.3	44.0
10:05 PM - 10:10 PM	46.8	44.0	12:45 AM - 12:50 AM	45.4	44.6	03:25 AM - 03:30 AM	45.2	43.9
10:10 PM - 10:15 PM	47.9	46.1	12:50 AM - 12:55 AM	45.4	44.8	03:30 AM - 03:35 AM	44.9	42.5
10:15 PM - 10:20 PM	48.1	46.6	12:55 AM - 01:00 AM	46.2	45.6	03:35 AM - 03:40 AM	45.2	43.5
10:20 PM - 10:25 PM	48.0	46.9	01:00 AM - 01:05 AM	47.9	46.7	03:40 AM - 03:45 AM	45.9	44.4
10:25 PM - 10:30 PM	48.4	47.1	01:05 AM - 01:10 AM	47.0	46.3	03:45 AM - 03:50 AM	45.3	43.3
10:30 PM - 10:35 PM	48.4	47.1	01:10 AM - 01:15 AM	46.6	45.8	03:50 AM - 03:55 AM	47.3	45.1
10:35 PM - 10:40 PM	47.6	46.4	01:15 AM - 01:20 AM	46.4	45.4	03:55 AM - 04:00 AM	46.8	45.3

Approved by

Sarayuht Jittrantorn
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588976-1

Page 3 of 3

Sample Number 2635082-21
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531295

May 29, 2026	Leq	L90	May 29, 2026	Leq	L90	May 29, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	47.1	45.5	06:40 AM - 06:45 AM	47.4	43.1	09:20 AM - 09:25 AM	41.5	37.8
04:05 AM - 04:10 AM	47.9	46.1	06:45 AM - 06:50 AM	52.0	45.1	09:25 AM - 09:30 AM	45.4	38.1
04:10 AM - 04:15 AM	47.9	46.6	06:50 AM - 06:55 AM	50.2	44.2	09:30 AM - 09:35 AM	47.5	43.2
04:15 AM - 04:20 AM	49.4	47.4	06:55 AM - 07:00 AM	50.6	43.1	09:35 AM - 09:40 AM	56.5	45.8
04:20 AM - 04:25 AM	50.2	47.8	07:00 AM - 07:05 AM	50.3	43.9	09:40 AM - 09:45 AM	50.5	45.6
04:25 AM - 04:30 AM	49.4	47.7	07:05 AM - 07:10 AM	47.9	39.0	09:45 AM - 09:50 AM	52.1	49.4
04:30 AM - 04:35 AM	49.1	47.0	07:10 AM - 07:15 AM	47.7	38.9	09:50 AM - 09:55 AM	54.3	48.6
04:35 AM - 04:40 AM	50.1	47.3	07:15 AM - 07:20 AM	45.5	40.1	09:55 AM - 10:00 AM	54.5	48.0
04:40 AM - 04:45 AM	50.1	47.9	07:20 AM - 07:25 AM	46.1	40.1	10:00 AM - 10:05 AM	48.8	43.8
04:45 AM - 04:50 AM	48.3	46.8	07:25 AM - 07:30 AM	46.3	41.5	10:05 AM - 10:10 AM	48.3	43.4
04:50 AM - 04:55 AM	47.8	46.2	07:30 AM - 07:35 AM	44.4	38.7	10:10 AM - 10:15 AM	49.3	43.7
04:55 AM - 05:00 AM	50.2	46.3	07:35 AM - 07:40 AM	46.2	37.7	10:15 AM - 10:20 AM	48.1	44.1
05:00 AM - 05:05 AM	50.3	46.1	07:40 AM - 07:45 AM	43.8	36.8	10:20 AM - 10:25 AM	46.7	41.5
05:05 AM - 05:10 AM	48.8	46.6	07:45 AM - 07:50 AM	45.0	41.7	10:25 AM - 10:30 AM	46.5	44.1
05:10 AM - 05:15 AM	53.9	46.3	07:50 AM - 07:55 AM	46.5	40.2	10:30 AM - 10:35 AM	48.9	42.6
05:15 AM - 05:20 AM	50.0	46.3	07:55 AM - 08:00 AM	45.1	38.7	10:35 AM - 10:40 AM	67.3	43.4
05:20 AM - 05:25 AM	48.6	46.1	08:00 AM - 08:05 AM	44.7	39.8	10:40 AM - 10:45 AM	52.9	43.4
05:25 AM - 05:30 AM	49.4	45.5	08:05 AM - 08:10 AM	51.0	41.1	10:45 AM - 10:50 AM	49.8	43.3
05:30 AM - 05:35 AM	55.9	46.3	08:10 AM - 08:15 AM	44.5	40.4	10:50 AM - 10:55 AM	48.3	41.7
05:35 AM - 05:40 AM	58.5	47.1	08:15 AM - 08:20 AM	46.9	42.1	10:55 AM - 11:00 AM	48.1	41.9
05:40 AM - 05:45 AM	52.2	48.0	08:20 AM - 08:25 AM	46.2	41.3	11:00 AM - 11:05 AM	45.3	40.9
05:45 AM - 05:50 AM	51.4	48.0	08:25 AM - 08:30 AM	49.5	41.6	11:05 AM - 11:10 AM	46.1	40.4
05:50 AM - 05:55 AM	51.9	47.1	08:30 AM - 08:35 AM	49.6	42.9	11:10 AM - 11:15 AM	45.6	42.3
05:55 AM - 06:00 AM	50.1	45.9	08:35 AM - 08:40 AM	47.5	44.8	11:15 AM - 11:20 AM	49.8	40.3
06:00 AM - 06:05 AM	54.1	45.5	08:40 AM - 08:45 AM	47.1	44.4	11:20 AM - 11:25 AM	45.5	41.6
06:05 AM - 06:10 AM	50.1	45.9	08:45 AM - 08:50 AM	46.6	43.9	11:25 AM - 11:30 AM	49.8	40.7
06:10 AM - 06:15 AM	51.5	45.7	08:50 AM - 08:55 AM	46.4	43.9	11:30 AM - 11:35 AM	49.0	40.7
06:15 AM - 06:20 AM	48.5	45.5	08:55 AM - 09:00 AM	45.8	42.5	11:35 AM - 11:40 AM	47.2	39.8
06:20 AM - 06:25 AM	48.8	44.3	09:00 AM - 09:05 AM	45.8	41.4	11:40 AM - 11:45 AM	45.2	41.2
06:25 AM - 06:30 AM	48.4	44.2	09:05 AM - 09:10 AM	46.9	41.2	11:45 AM - 11:50 AM	44.9	41.3
06:30 AM - 06:35 AM	48.7	43.6	09:10 AM - 09:15 AM	46.5	40.4	11:50 AM - 11:55 AM	49.1	41.2
06:35 AM - 06:40 AM	48.8	43.9	09:15 AM - 09:20 AM	44.9	40.1	11:55 AM - 12:00 PM	52.2	44.3



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received : Jun 04, 2026
Date Reported : Jun 08, 2026
Report Number : 3588977-1

Page 2 of 3

Sample Number 2635082-22
Parameter Noise Level (Leq 5 min)
Location พื้นที่โรงงาน/พื้นที่ใกล้เคียงโรงงาน (2) (H4) (GPS 47P 0744408, 1420901)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 22, 2026 Time	Leq dB(A)	L90 dB(A)	May 22 - May 23, 2026 Time	Leq dB(A)	L90 dB(A)	May 23, 2026 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	49.6	48.9	09:40 PM - 09:45 PM	54.3	53.9	12:20 AM - 12:25 AM	61.7	61.3
07:05 PM - 07:10 PM	50.1	49.3	09:45 PM - 09:50 PM	54.5	54.1	12:25 AM - 12:30 AM	61.6	61.2
07:10 PM - 07:15 PM	53.1	49.9	09:50 PM - 09:55 PM	55.2	54.7	12:30 AM - 12:35 AM	61.7	61.2
07:15 PM - 07:20 PM	52.0	49.9	09:55 PM - 10:00 PM	55.6	55.2	12:35 AM - 12:40 AM	61.6	61.1
07:20 PM - 07:25 PM	50.4	49.2	10:00 PM - 10:05 PM	56.0	55.4	12:40 AM - 12:45 AM	61.5	61.0
07:25 PM - 07:30 PM	50.7	50.0	10:05 PM - 10:10 PM	56.0	54.7	12:45 AM - 12:50 AM	61.4	61.0
07:30 PM - 07:35 PM	51.2	50.1	10:10 PM - 10:15 PM	56.5	55.9	12:50 AM - 12:55 AM	61.3	60.9
07:35 PM - 07:40 PM	53.0	50.4	10:15 PM - 10:20 PM	57.1	56.7	12:55 AM - 01:00 AM	61.0	60.5
07:40 PM - 07:45 PM	50.7	50.0	10:20 PM - 10:25 PM	57.7	57.1	01:00 AM - 01:05 AM	60.5	60.1
07:45 PM - 07:50 PM	50.6	49.2	10:25 PM - 10:30 PM	58.0	57.6	01:05 AM - 01:10 AM	60.4	59.9
07:50 PM - 07:55 PM	50.4	49.5	10:30 PM - 10:35 PM	58.3	57.9	01:10 AM - 01:15 AM	60.4	59.9
07:55 PM - 08:00 PM	50.3	49.7	10:35 PM - 10:40 PM	58.5	58.2	01:15 AM - 01:20 AM	60.1	59.5
08:00 PM - 08:05 PM	50.6	49.9	10:40 PM - 10:45 PM	59.2	58.4	01:20 AM - 01:25 AM	60.1	58.6
08:05 PM - 08:10 PM	52.1	50.1	10:45 PM - 10:50 PM	59.1	58.6	01:25 AM - 01:30 AM	59.7	59.1
08:10 PM - 08:15 PM	50.8	49.9	10:50 PM - 10:55 PM	59.4	59.0	01:30 AM - 01:35 AM	59.4	58.7
08:15 PM - 08:20 PM	50.5	49.7	10:55 PM - 11:00 PM	59.2	58.7	01:35 AM - 01:40 AM	59.1	58.5
08:20 PM - 08:25 PM	57.7	48.8	11:00 PM - 11:05 PM	59.9	59.5	01:40 AM - 01:45 AM	58.8	58.2
08:25 PM - 08:30 PM	53.5	48.9	11:05 PM - 11:10 PM	60.1	59.7	01:45 AM - 01:50 AM	58.7	58.1
08:30 PM - 08:35 PM	48.9	48.1	11:10 PM - 11:15 PM	60.4	60.0	01:50 AM - 01:55 AM	57.8	57.1
08:35 PM - 08:40 PM	49.2	48.4	11:15 PM - 11:20 PM	60.6	60.3	01:55 AM - 02:00 AM	57.9	57.4
08:40 PM - 08:45 PM	49.2	48.3	11:20 PM - 11:25 PM	60.9	60.4	02:00 AM - 02:05 AM	57.7	57.2
08:45 PM - 08:50 PM	49.2	48.6	11:25 PM - 11:30 PM	61.2	60.7	02:05 AM - 02:10 AM	57.7	56.7
08:50 PM - 08:55 PM	49.5	48.8	11:30 PM - 11:35 PM	61.3	61.0	02:10 AM - 02:15 AM	57.0	56.3
08:55 PM - 09:00 PM	49.8	49.2	11:35 PM - 11:40 PM	61.5	61.1	02:15 AM - 02:20 AM	56.8	55.9
09:00 PM - 09:05 PM	49.9	49.3	11:40 PM - 11:45 PM	61.8	61.4	02:20 AM - 02:25 AM	57.0	56.3
09:05 PM - 09:10 PM	50.3	49.8	11:45 PM - 11:50 PM	61.8	61.4	02:25 AM - 02:30 AM	56.7	56.0
09:10 PM - 09:15 PM	50.8	50.1	11:50 PM - 11:55 PM	61.9	61.5	02:30 AM - 02:35 AM	56.3	55.5
09:15 PM - 09:20 PM	51.2	50.5	11:55 PM - 12:00 AM	61.9	61.5	02:35 AM - 02:40 AM	55.7	54.9
09:20 PM - 09:25 PM	51.7	51.3	12:00 AM - 12:05 AM	61.9	61.5	02:40 AM - 02:45 AM	55.6	54.9
09:25 PM - 09:30 PM	52.2	51.4	12:05 AM - 12:10 AM	61.9	61.5	02:45 AM - 02:50 AM	55.1	54.4
09:30 PM - 09:35 PM	53.0	52.4	12:10 AM - 12:15 AM	62.2	61.8	02:50 AM - 02:55 AM	54.5	53.7
09:35 PM - 09:40 PM	53.7	53.2	12:15 AM - 12:20 AM	61.9	61.5	02:55 AM - 03:00 AM	54.3	53.5

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 Jittrantorn
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received : Jun 04, 2026
Date Reported : Jun 08, 2026
Report Number : 3588977-1

Page 3 of 3

Sample Number 2635082-22
Parameter Noise Level (Leq 5 min)
Location พื้นที่โรงงาน/พื้นที่ใกล้เคียงโรงงาน (2) (H4) (GPS 47P 0744408, 1420901)
Measurement Date May 22 - May 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 23, 2026 Time	Leq dB(A)	L90 dB(A)	May 23, 2026 Time	Leq dB(A)	L90 dB(A)	May 23, 2026 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	54.3	53.4	05:40 AM - 05:45 AM	52.2	46.2	08:20 AM - 08:25 AM	49.5	44.5
03:05 AM - 03:10 AM	53.9	53.1	05:45 AM - 05:50 AM	50.5	46.1	08:25 AM - 08:30 AM	48.3	43.8
03:10 AM - 03:15 AM	53.9	53.2	05:50 AM - 05:55 AM	51.0	45.8	08:30 AM - 08:35 AM	48.4	43.1
03:15 AM - 03:20 AM	53.6	52.9	05:55 AM - 06:00 AM	47.8	45.3	08:35 AM - 08:40 AM	50.3	44.1
03:20 AM - 03:25 AM	53.1	52.3	06:00 AM - 06:05 AM	51.6	45.6	08:40 AM - 08:45 AM	47.3	43.7
03:25 AM - 03:30 AM	52.3	51.4	06:05 AM - 06:10 AM	49.0	45.3	08:45 AM - 08:50 AM	47.7	43.1
03:30 AM - 03:35 AM	53.1	52.3	06:10 AM - 06:15 AM	46.9	44.9	08:50 AM - 08:55 AM	47.2	43.5
03:35 AM - 03:40 AM	52.6	51.7	06:15 AM - 06:20 AM	48.6	45.6	08:55 AM - 09:00 AM	45.7	43.1
03:40 AM - 03:45 AM	52.6	51.9	06:20 AM - 06:25 AM	47.0	45.1	09:00 AM - 09:05 AM	48.5	43.1
03:45 AM - 03:50 AM	52.1	51.3	06:25 AM - 06:30 AM	46.6	45.0	09:05 AM - 09:10 AM	50.3	43.6
03:50 AM - 03:55 AM	52.3	51.6	06:30 AM - 06:35 AM	47.1	45.3	09:10 AM - 09:15 AM	50.6	43.6
03:55 AM - 04:00 AM	52.1	51.3	06:35 AM - 06:40 AM	48.1	45.2	09:15 AM - 09:20 AM	48.4	43.1
04:00 AM - 04:05 AM	52.1	51.4	06:40 AM - 06:45 AM	48.4	45.4	09:20 AM - 09:25 AM	46.0	43.5
04:05 AM - 04:10 AM	52.2	51.3	06:45 AM - 06:50 AM	49.8	45.7	09:25 AM - 09:30 AM	54.5	44.1
04:10 AM - 04:15 AM	51.7	51.0	06:50 AM - 06:55 AM	46.9	44.6	09:30 AM - 09:35 AM	47.4	43.5
04:15 AM - 04:20 AM	51.9	51.0	06:55 AM - 07:00 AM	52.2	44.8	09:35 AM - 09:40 AM	50.4	43.5
04:20 AM - 04:25 AM	51.7	50.9	07:00 AM - 07:05 AM	46.9	44.0	09:40 AM - 09:45 AM	48.8	42.5
04:25 AM - 04:30 AM	51.6	50.6	07:05 AM - 07:10 AM	45.2	43.2	09:45 AM - 09:50 AM	51.3	44.0
04:30 AM - 04:35 AM	51.3	50.5	07:10 AM - 07:15 AM	46.0	44.0	09:50 AM - 09:55 AM	47.1	44.3
04:35 AM - 04:40 AM	51.4	50.4	07:15 AM - 07:20 AM	49.6	44.1	09:55 AM - 10:00 AM	45.7	43.3
04:40 AM - 04:45 AM	51.3	50.4	07:20 AM - 07:25 AM	47.2	44.4	10:00 AM - 10:05 AM	45.7	42.7
04:45 AM - 04:50 AM	51.5	50.8	07:25 AM - 07:30 AM	48.9	44.4	10:05 AM - 10:10 AM	46.0	42.9
04:50 AM - 04:55 AM	51.3	50.0	07:30 AM - 07:35 AM	49.2	44.6	10:10 AM - 10:15 AM	46.2	42.8
04:55 AM - 05:00 AM	51.6	50.6	07:35 AM - 07:40 AM	48.2	44.7	10:15 AM - 10:20 AM	45.0	42.1
05:00 AM - 05:05 AM	51.4	50.2	07:40 AM - 07:45 AM	48.7	43.8	10:20 AM - 10:25 AM	44.7	40.6
05:05 AM - 05:10 AM	50.6	49.3	07:45 AM - 07:50 AM	48.9	43.9	10:25 AM - 10:30 AM	47.8	41.9
05:10 AM - 05:15 AM	50.7	49.6	07:50 AM - 07:55 AM	54.3	44.3	10:30 AM - 10:35 AM	48.3	40.9
05:15 AM - 05:20 AM	50.2	48.5	07:55 AM - 08:00 AM	46.6	44.0	10:35 AM - 10:40 AM	47.8	40.8
05:20 AM - 05:25 AM	48.8	47.0	08:00 AM - 08:05 AM	48.8	45.3	10:40 AM - 10:45 AM	47.5	41.6
05:25 AM - 05:30 AM	49.3	46.6	08:05 AM - 08:10 AM	47.9	45.1	10:45 AM - 10:50 AM	47.8	40.4
05:30 AM - 05:35 AM	48.8	46.4	08:10 AM - 08:15 AM	49.1	45.5	10:50 AM - 10:55 AM	45.4	41.6
05:35 AM - 05:40 AM	66.0	46.4	08:15 AM - 08:20 AM	50.8	45.9	10:55 AM - 11:00 AM	42.5	40.1

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 Jittrantorn
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received : Jun 04, 2026
Date Reported : Jun 08, 2026
Report Number : 3588977-1

Page 1 of 3

Sample Number 2635082-23
Parameter Noise Level (Leq 5 min)
Location พื้นที่โรงงาน/พื้นที่ใกล้เคียงโรงงาน (2) (H4) (GPS 47P 0744408, 1420901)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 23, 2026	Leq	L90	May 23, 2026	Leq	L90	May 23, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	40.7	38.7	01:40 PM - 01:45 PM	44.6	41.9	04:20 PM - 04:25 PM	44.7	41.4
11:05 AM - 11:10 AM	41.85	39.5	01:45 PM - 01:50 PM	45.0	42.0	04:25 PM - 04:30 PM	51.0	41.7
11:10 AM - 11:15 AM	43.8	40.9	01:50 PM - 01:55 PM	44.5	41.6	04:30 PM - 04:35 PM	46.9	41.5
11:15 AM - 11:20 AM	43.0	40.6	01:55 PM - 02:00 PM	44.2	41.4	04:35 PM - 04:40 PM	45.9	41.1
11:20 AM - 11:25 AM	46.2	40.8	02:00 PM - 02:05 PM	44.4	40.7	04:40 PM - 04:45 PM	48.0	42.7
11:25 AM - 11:30 AM	44.6	41.1	02:05 PM - 02:10 PM	46.1	42.0	04:45 PM - 04:50 PM	47.2	42.3
11:30 AM - 11:35 AM	44.6	40.3	02:10 PM - 02:15 PM	45.5	41.2	04:50 PM - 04:55 PM	47.8	42.4
11:35 AM - 11:40 AM	46.1	41.5	02:15 PM - 02:20 PM	44.8	40.6	04:55 PM - 05:00 PM	47.5	42.4
11:40 AM - 11:45 AM	47.4	40.3	02:20 PM - 02:25 PM	43.4	39.5	05:00 PM - 05:05 PM	54.6	45.1
11:45 AM - 11:50 AM	45.6	40.9	02:25 PM - 02:30 PM	45.2	39.9	05:05 PM - 05:10 PM	49.5	44.9
11:50 AM - 11:55 AM	53.0	40.7	02:30 PM - 02:35 PM	49.0	40.6	05:10 PM - 05:15 PM	48.2	42.6
11:55 AM - 12:00 PM	45.7	40.5	02:35 PM - 02:40 PM	42.9	39.9	05:15 PM - 05:20 PM	46.5	42.0
12:00 PM - 12:05 PM	47.6	40.3	02:40 PM - 02:45 PM	46.9	40.7	05:20 PM - 05:25 PM	47.6	42.9
12:05 PM - 12:10 PM	49.6	42.0	02:45 PM - 02:50 PM	52.4	40.6	05:25 PM - 05:30 PM	57.4	42.2
12:10 PM - 12:15 PM	50.2	42.3	02:50 PM - 02:55 PM	52.8	40.7	05:30 PM - 05:35 PM	57.8	41.7
12:15 PM - 12:20 PM	43.3	39.9	02:55 PM - 03:00 PM	45.4	40.2	05:35 PM - 05:40 PM	44.5	41.7
12:20 PM - 12:25 PM	44.2	39.7	03:00 PM - 03:05 PM	44.1	40.7	05:40 PM - 05:45 PM	45.0	41.3
12:25 PM - 12:30 PM	44.2	42.4	03:05 PM - 03:10 PM	47.3	41.9	05:45 PM - 05:50 PM	47.8	42.5
12:30 PM - 12:35 PM	48.7	42.2	03:10 PM - 03:15 PM	44.8	40.8	05:50 PM - 05:55 PM	49.3	43.2
12:35 PM - 12:40 PM	48.1	41.1	03:15 PM - 03:20 PM	43.5	39.9	05:55 PM - 06:00 PM	46.5	43.5
12:40 PM - 12:45 PM	49.7	42.0	03:20 PM - 03:25 PM	50.2	40.4	06:00 PM - 06:05 PM	45.0	42.1
12:45 PM - 12:50 PM	47.6	42.3	03:25 PM - 03:30 PM	45.2	40.7	06:05 PM - 06:10 PM	44.3	41.7
12:50 PM - 12:55 PM	46.6	43.1	03:30 PM - 03:35 PM	43.2	39.5	06:10 PM - 06:15 PM	49.5	42.3
12:55 PM - 01:00 PM	45.3	42.7	03:35 PM - 03:40 PM	44.8	39.5	06:15 PM - 06:20 PM	49.2	41.9
01:00 PM - 01:05 PM	44.1	42.3	03:40 PM - 03:45 PM	48.3	39.9	06:20 PM - 06:25 PM	51.7	44.7
01:05 PM - 01:10 PM	49.6	42.8	03:45 PM - 03:50 PM	43.2	38.8	06:25 PM - 06:30 PM	50.1	46.2
01:10 PM - 01:15 PM	48.6	42.4	03:50 PM - 03:55 PM	44.2	39.7	06:30 PM - 06:35 PM	50.9	46.6
01:15 PM - 01:20 PM	47.2	43.1	03:55 PM - 04:00 PM	46.3	40.3	06:35 PM - 06:40 PM	45.7	44.8
01:20 PM - 01:25 PM	47.2	43.1	04:00 PM - 04:05 PM	46.7	40.0	06:40 PM - 06:45 PM	46.8	45.3
01:25 PM - 01:30 PM	47.8	45.1	04:05 PM - 04:10 PM	45.5	40.8	06:45 PM - 06:50 PM	48.5	47.4
01:30 PM - 01:35 PM	46.9	43.0	04:10 PM - 04:15 PM	52.5	45.8	06:50 PM - 06:55 PM	48.9	48.2
01:35 PM - 01:40 PM	46.3	42.5	04:15 PM - 04:20 PM	50.2	44.5	06:55 PM - 07:00 PM	49.3	48.8



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588979-1

Page 3 of 3

Sample Number 2635082-23
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 23 - May 24, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 24, 2026	Leq	L90	May 24, 2026	Leq	L90	May 24, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
03:00 AM - 03:05 AM	45.5	43.5	05:40 AM - 05:45 AM	50.6	44.9	08:20 AM - 08:25 AM	51.0	41.2
03:05 AM - 03:10 AM	45.7	43.5	05:45 AM - 05:50 AM	53.5	44.7	08:25 AM - 08:30 AM	57.2	40.3
03:10 AM - 03:15 AM	45.2	42.8	05:50 AM - 05:55 AM	50.6	44.3	08:30 AM - 08:35 AM	60.3	56.0
03:15 AM - 03:20 AM	46.2	44.1	05:55 AM - 06:00 AM	53.2	42.8	08:35 AM - 08:40 AM	61.0	46.5
03:20 AM - 03:25 AM	48.2	46.5	06:00 AM - 06:05 AM	57.0	43.9	08:40 AM - 08:45 AM	46.5	40.4
03:25 AM - 03:30 AM	48.0	46.5	06:05 AM - 06:10 AM	50.6	44.0	08:45 AM - 08:50 AM	47.3	41.4
03:30 AM - 03:35 AM	48.4	46.9	06:10 AM - 06:15 AM	50.2	45.0	08:50 AM - 08:55 AM	48.7	42.8
03:35 AM - 03:40 AM	48.4	47.0	06:15 AM - 06:20 AM	51.2	48.0	08:55 AM - 09:00 AM	47.0	41.4
03:40 AM - 03:45 AM	48.0	46.8	06:20 AM - 06:25 AM	56.5	51.1	09:00 AM - 09:05 AM	49.6	42.7
03:45 AM - 03:50 AM	47.7	46.0	06:25 AM - 06:30 AM	54.4	48.6	09:05 AM - 09:10 AM	47.6	43.1
03:50 AM - 03:55 AM	48.2	46.7	06:30 AM - 06:35 AM	53.5	47.2	09:10 AM - 09:15 AM	45.4	40.3
03:55 AM - 04:00 AM	48.3	46.9	06:35 AM - 06:40 AM	51.2	47.2	09:15 AM - 09:20 AM	50.8	41.6
04:00 AM - 04:05 AM	47.0	44.9	06:40 AM - 06:45 AM	51.5	47.5	09:20 AM - 09:25 AM	60.4	56.3
04:05 AM - 04:10 AM	46.9	44.8	06:45 AM - 06:50 AM	53.4	49.0	09:25 AM - 09:30 AM	57.3	51.3
04:10 AM - 04:15 AM	46.7	42.6	06:50 AM - 06:55 AM	53.4	45.8	09:30 AM - 09:35 AM	58.5	53.1
04:15 AM - 04:20 AM	46.0	42.7	06:55 AM - 07:00 AM	50.4	41.8	09:35 AM - 09:40 AM	55.7	51.0
04:20 AM - 04:25 AM	45.5	42.4	07:00 AM - 07:05 AM	48.8	43.7	09:40 AM - 09:45 AM	55.9	50.5
04:25 AM - 04:30 AM	44.8	41.8	07:05 AM - 07:10 AM	51.3	42.7	09:45 AM - 09:50 AM	55.9	47.2
04:30 AM - 04:35 AM	45.1	42.4	07:10 AM - 07:15 AM	49.8	41.9	09:50 AM - 09:55 AM	52.0	46.8
04:35 AM - 04:40 AM	45.4	42.4	07:15 AM - 07:20 AM	48.3	41.4	09:55 AM - 10:00 AM	53.6	44.2
04:40 AM - 04:45 AM	46.3	44.3	07:20 AM - 07:25 AM	50.4	39.3	10:00 AM - 10:05 AM	56.3	40.6
04:45 AM - 04:50 AM	46.4	44.4	07:25 AM - 07:30 AM	47.8	43.4	10:05 AM - 10:10 AM	51.6	43.5
04:50 AM - 04:55 AM	46.3	43.7	07:30 AM - 07:35 AM	49.3	41.9	10:10 AM - 10:15 AM	49.9	42.9
04:55 AM - 05:00 AM	46.2	43.2	07:35 AM - 07:40 AM	44.0	40.6	10:15 AM - 10:20 AM	45.9	42.5
05:00 AM - 05:05 AM	45.4	43.0	07:40 AM - 07:45 AM	46.3	41.0	10:20 AM - 10:25 AM	46.4	43.3
05:05 AM - 05:10 AM	44.8	43.1	07:45 AM - 07:50 AM	54.2	42.0	10:25 AM - 10:30 AM	45.6	41.9
05:10 AM - 05:15 AM	45.4	42.6	07:50 AM - 07:55 AM	56.4	51.6	10:30 AM - 10:35 AM	48.6	42.5
05:15 AM - 05:20 AM	48.4	42.8	07:55 AM - 08:00 AM	60.2	55.2	10:35 AM - 10:40 AM	49.8	41.4
05:20 AM - 05:25 AM	46.5	43.5	08:00 AM - 08:05 AM	60.4	56.1	10:40 AM - 10:45 AM	47.1	41.3
05:25 AM - 05:30 AM	49.3	44.7	08:05 AM - 08:10 AM	58.8	56.6	10:45 AM - 10:50 AM	46.4	41.8
05:30 AM - 05:35 AM	47.4	44.5	08:10 AM - 08:15 AM	59.3	56.5	10:50 AM - 10:55 AM	51.4	42.1
05:35 AM - 05:40 AM	47.6	45.3	08:15 AM - 08:20 AM	58.0	54.6	10:55 AM - 11:00 AM	45.4	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

Sarayuht Jittranoon
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588979-1

Page 1 of 3

Sample Number 2635082-24
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 24, 2026	Leq	L90	May 24, 2026	Leq	L90	May 24, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	44.6	41.5	01:40 PM - 01:45 PM	48.2	40.4	04:20 PM - 04:25 PM	49.1	41.7
11:05 AM - 11:10 AM	48.6	43.0	01:45 PM - 01:50 PM	45.3	40.6	04:25 PM - 04:30 PM	45.7	42.2
11:10 AM - 11:15 AM	44.0	41.7	01:50 PM - 01:55 PM	44.8	41.5	04:30 PM - 04:35 PM	44.2	42.1
11:15 AM - 11:20 AM	47.8	41.7	01:55 PM - 02:00 PM	47.7	41.5	04:35 PM - 04:40 PM	47.2	42.3
11:20 AM - 11:25 AM	62.7	48.1	02:00 PM - 02:05 PM	54.2	41.2	04:40 PM - 04:45 PM	47.1	42.0
11:25 AM - 11:30 AM	57.6	49.7	02:05 PM - 02:10 PM	47.4	41.4	04:45 PM - 04:50 PM	47.1	42.2
11:30 AM - 11:35 AM	56.2	50.6	02:10 PM - 02:15 PM	46.7	40.4	04:50 PM - 04:55 PM	44.3	41.6
11:35 AM - 11:40 AM	56.9	54.0	02:15 PM - 02:20 PM	49.9	39.8	04:55 PM - 05:00 PM	43.9	40.9
11:40 AM - 11:45 AM	59.6	47.5	02:20 PM - 02:25 PM	53.4	41.2	05:00 PM - 05:05 PM	45.9	41.5
11:45 AM - 11:50 AM	64.2	60.2	02:25 PM - 02:30 PM	43.5	40.5	05:05 PM - 05:10 PM	45.2	42.2
11:50 AM - 11:55 AM	62.8	49.1	02:30 PM - 02:35 PM	50.2	41.3	05:10 PM - 05:15 PM	44.9	41.2
11:55 AM - 12:00 PM	56.0	49.4	02:35 PM - 02:40 PM	46.4	42.0	05:15 PM - 05:20 PM	48.5	41.6
12:00 PM - 12:05 PM	55.9	49.5	02:40 PM - 02:45 PM	45.0	41.2	05:20 PM - 05:25 PM	45.3	41.6
12:05 PM - 12:10 PM	55.5	44.8	02:45 PM - 02:50 PM	43.9	40.4	05:25 PM - 05:30 PM	44.3	41.4
12:10 PM - 12:15 PM	50.5	41.2	02:50 PM - 02:55 PM	47.9	41.5	05:30 PM - 05:35 PM	47.3	42.5
12:15 PM - 12:20 PM	54.3	47.9	02:55 PM - 03:00 PM	45.8	41.5	05:35 PM - 05:40 PM	48.1	42.0
12:20 PM - 12:25 PM	50.1	41.8	03:00 PM - 03:05 PM	43.0	40.8	05:40 PM - 05:45 PM	44.2	41.1
12:25 PM - 12:30 PM	44.7	41.5	03:05 PM - 03:10 PM	44.1	40.7	05:45 PM - 05:50 PM	46.6	42.2
12:30 PM - 12:35 PM	43.2	41.0	03:10 PM - 03:15 PM	49.7	44.5	05:50 PM - 05:55 PM	44.5	41.6
12:35 PM - 12:40 PM	44.3	41.4	03:15 PM - 03:20 PM	53.5	43.9	05:55 PM - 06:00 PM	46.0	41.9
12:40 PM - 12:45 PM	44.8	40.7	03:20 PM - 03:25 PM	45.7	43.6	06:00 PM - 06:05 PM	44.8	42.3
12:45 PM - 12:50 PM	42.4	40.8	03:25 PM - 03:30 PM	48.1	42.5	06:05 PM - 06:10 PM	44.8	42.3
12:50 PM - 12:55 PM	43.5	41.6	03:30 PM - 03:35 PM	48.5	42.1	06:10 PM - 06:15 PM	45.8	41.5
12:55 PM - 01:00 PM	45.4	40.7	03:35 PM - 03:40 PM	44.9	41.7	06:15 PM - 06:20 PM	46.4	42.4
01:00 PM - 01:05 PM	43.5	40.7	03:40 PM - 03:45 PM	46.4	42.0	06:20 PM - 06:25 PM	44.1	42.4
01:05 PM - 01:10 PM	44.5	41.5	03:45 PM - 03:50 PM	45.9	41.2	06:25 PM - 06:30 PM	44.7	41.7
01:10 PM - 01:15 PM	43.2	40.8	03:50 PM - 03:55 PM	54.5	40.4	06:30 PM - 06:35 PM	47.4	42.0
01:15 PM - 01:20 PM	42.9	39.9	03:55 PM - 04:00 PM	47.4	41.0	06:35 PM - 06:40 PM	44.3	41.7
01:20 PM - 01:25 PM	42.5	40.3	04:00 PM - 04:05 PM	47.5	42.0	06:40 PM - 06:45 PM	43.7	41.9
01:25 PM - 01:30 PM	45.8	41.8	04:05 PM - 04:10 PM	45.6	42.1	06:45 PM - 06:50 PM	47.1	44.0
01:30 PM - 01:35 PM	45.7	40.5	04:10 PM - 04:15 PM	56.1	41.8	06:50 PM - 06:55 PM	46.3	44.3
01:35 PM - 01:40 PM	45.8	39.7	04:15 PM - 04:20 PM	45.1	41.5	06:55 PM - 07:00 PM	47.0	44.1

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Approved by

Sarayuht Jittranoon
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588979-1

Page 2 of 3

Sample Number 2635082-24
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 24 - May 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 24, 2026			May 24 - May 25, 2026			May 25, 2026		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
07:00 PM - 07:05 PM	50.6	46.7	09:40 PM - 09:45 PM	48.7	46.5	12:20 AM - 12:25 AM	44.7	43.5
07:05 PM - 07:10 PM	49.3	47.0	09:45 PM - 09:50 PM	49.7	47.1	12:25 AM - 12:30 AM	44.6	43.2
07:10 PM - 07:15 PM	49.7	46.1	09:50 PM - 09:55 PM	50.0	46.8	12:30 AM - 12:35 AM	44.1	43.0
07:15 PM - 07:20 PM	49.5	48.0	09:55 PM - 10:00 PM	50.1	48.1	12:35 AM - 12:40 AM	44.2	42.6
07:20 PM - 07:25 PM	48.9	47.7	10:00 PM - 10:05 PM	50.0	48.1	12:40 AM - 12:45 AM	44.0	42.8
07:25 PM - 07:30 PM	48.9	47.9	10:05 PM - 10:10 PM	49.4	46.6	12:45 AM - 12:50 AM	43.6	42.2
07:30 PM - 07:35 PM	48.7	47.5	10:10 PM - 10:15 PM	47.4	46.3	12:50 AM - 12:55 AM	43.8	42.1
07:35 PM - 07:40 PM	49.0	47.5	10:15 PM - 10:20 PM	49.6	46.3	12:55 AM - 01:00 AM	44.0	43.1
07:40 PM - 07:45 PM	50.1	45.7	10:20 PM - 10:25 PM	51.7	47.2	01:00 AM - 01:05 AM	43.8	42.9
07:45 PM - 07:50 PM	49.8	46.8	10:25 PM - 10:30 PM	50.7	46.1	01:05 AM - 01:10 AM	44.7	43.0
07:50 PM - 07:55 PM	49.7	48.1	10:30 PM - 10:35 PM	49.8	46.9	01:10 AM - 01:15 AM	44.7	43.5
07:55 PM - 08:00 PM	50.1	46.8	10:35 PM - 10:40 PM	49.9	47.1	01:15 AM - 01:20 AM	45.0	44.0
08:00 PM - 08:05 PM	48.8	47.0	10:40 PM - 10:45 PM	50.4	48.1	01:20 AM - 01:25 AM	44.8	43.6
08:05 PM - 08:10 PM	50.2	45.2	10:45 PM - 10:50 PM	50.2	47.1	01:25 AM - 01:30 AM	44.4	43.2
08:10 PM - 08:15 PM	51.1	48.8	10:50 PM - 10:55 PM	49.9	47.0	01:30 AM - 01:35 AM	43.6	41.8
08:15 PM - 08:20 PM	50.9	48.5	10:55 PM - 11:00 PM	49.1	46.3	01:35 AM - 01:40 AM	43.8	42.0
08:20 PM - 08:25 PM	49.8	48.7	11:00 PM - 11:05 PM	46.9	44.4	01:40 AM - 01:45 AM	43.9	42.1
08:25 PM - 08:30 PM	50.3	48.9	11:05 PM - 11:10 PM	46.8	46.2	01:45 AM - 01:50 AM	42.8	41.9
08:30 PM - 08:35 PM	50.3	48.8	11:10 PM - 11:15 PM	46.5	46.0	01:50 AM - 01:55 AM	42.9	41.9
08:35 PM - 08:40 PM	50.0	48.8	11:15 PM - 11:20 PM	46.8	46.1	01:55 AM - 02:00 AM	57.6	41.6
08:40 PM - 08:45 PM	49.9	48.5	11:20 PM - 11:25 PM	46.3	43.7	02:00 AM - 02:05 AM	55.6	41.6
08:45 PM - 08:50 PM	49.7	47.7	11:25 PM - 11:30 PM	44.9	43.4	02:05 AM - 02:10 AM	51.3	55.6
08:50 PM - 08:55 PM	49.5	46.5	11:30 PM - 11:35 PM	45.3	43.5	02:10 AM - 02:15 AM	57.6	47.4
08:55 PM - 09:00 PM	49.4	46.5	11:35 PM - 11:40 PM	48.0	46.4	02:15 AM - 02:20 AM	50.1	44.0
09:00 PM - 09:05 PM	46.7	45.6	11:40 PM - 11:45 PM	47.0	45.0	02:20 AM - 02:25 AM	49.4	43.4
09:05 PM - 09:10 PM	47.2	45.7	11:45 PM - 11:50 PM	55.0	44.3	02:25 AM - 02:30 AM	51.5	47.2
09:10 PM - 09:15 PM	47.7	45.7	11:50 PM - 11:55 PM	46.7	43.0	02:30 AM - 02:35 AM	65.6	41.9
09:15 PM - 09:20 PM	50.5	48.1	11:55 PM - 12:00 AM	49.9	46.9	02:35 AM - 02:40 AM	69.4	49.6
09:20 PM - 09:25 PM	49.1	45.2	12:00 AM - 12:05 AM	43.7	42.8	02:40 AM - 02:45 AM	69.1	48.3
09:25 PM - 09:30 PM	49.8	46.9	12:05 AM - 12:10 AM	43.7	42.2	02:45 AM - 02:50 AM	68.4	48.6
09:30 PM - 09:35 PM	49.5	47.6	12:10 AM - 12:15 AM	43.6	42.5	02:50 AM - 02:55 AM	69.4	65.1
09:35 PM - 09:40 PM	56.0	45.0	12:15 AM - 12:20 AM	44.4	43.4	02:55 AM - 03:00 AM	68.6	63.0



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588980-1

Page 1 of 3

Sample Number 2635082-25
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 25, 2026	Leq	L90	May 25, 2026	Leq	L90	May 25, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	45.4	42.5	01:40 PM - 01:45 PM	45.4	42.1	04:20 PM - 04:25 PM	49.0	42.5
11:05 AM - 11:10 AM	44.0	41.5	01:45 PM - 01:50 PM	46.3	43.1	04:25 PM - 04:30 PM	46.4	42.8
11:10 AM - 11:15 AM	47.8	41.1	01:50 PM - 01:55 PM	47.7	43.1	04:30 PM - 04:35 PM	47.0	42.4
11:15 AM - 11:20 AM	49.5	42.1	01:55 PM - 02:00 PM	44.6	41.4	04:35 PM - 04:40 PM	55.1	43.1
11:20 AM - 11:25 AM	45.8	40.9	02:00 PM - 02:05 PM	46.3	42.5	04:40 PM - 04:45 PM	53.6	43.2
11:25 AM - 11:30 AM	45.2	41.0	02:05 PM - 02:10 PM	45.5	41.3	04:45 PM - 04:50 PM	57.1	43.2
11:30 AM - 11:35 AM	44.6	41.0	02:10 PM - 02:15 PM	49.2	41.0	04:50 PM - 04:55 PM	40.8	43.3
11:35 AM - 11:40 AM	46.7	42.7	02:15 PM - 02:20 PM	42.8	40.7	04:55 PM - 05:00 PM	46.6	42.7
11:40 AM - 11:45 AM	45.3	42.0	02:20 PM - 02:25 PM	49.2	41.8	05:00 PM - 05:05 PM	44.4	43.8
11:45 AM - 11:50 AM	46.4	42.2	02:25 PM - 02:30 PM	46.4	42.0	05:05 PM - 05:10 PM	50.5	45.1
11:50 AM - 11:55 AM	47.9	43.1	02:30 PM - 02:35 PM	49.7	41.0	05:10 PM - 05:15 PM	50.6	43.6
11:55 AM - 12:00 PM	48.2	44.2	02:35 PM - 02:40 PM	47.8	42.4	05:15 PM - 05:20 PM	50.6	44.3
12:00 PM - 12:05 PM	49.8	43.7	02:40 PM - 02:45 PM	44.7	41.5	05:20 PM - 05:25 PM	46.8	43.3
12:05 PM - 12:10 PM	48.6	43.4	02:45 PM - 02:50 PM	44.7	41.8	05:25 PM - 05:30 PM	46.7	42.3
12:10 PM - 12:15 PM	46.2	43.8	02:50 PM - 02:55 PM	45.7	41.2	05:30 PM - 05:35 PM	48.8	42.5
12:15 PM - 12:20 PM	45.2	42.7	02:55 PM - 03:00 PM	47.3	41.0	05:35 PM - 05:40 PM	46.4	42.0
12:20 PM - 12:25 PM	45.9	43.2	03:00 PM - 03:05 PM	45.0	41.7	05:40 PM - 05:45 PM	45.5	41.9
12:25 PM - 12:30 PM	46.5	42.6	03:05 PM - 03:10 PM	45.2	41.7	05:45 PM - 05:50 PM	48.2	42.4
12:30 PM - 12:35 PM	44.5	42.2	03:10 PM - 03:15 PM	51.4	41.7	05:50 PM - 05:55 PM	46.2	42.9
12:35 PM - 12:40 PM	47.9	42.7	03:15 PM - 03:20 PM	45.5	42.5	05:55 PM - 06:00 PM	49.9	42.3
12:40 PM - 12:45 PM	44.8	41.9	03:20 PM - 03:25 PM	46.2	42.8	06:00 PM - 06:05 PM	45.6	42.8
12:45 PM - 12:50 PM	44.5	42.4	03:25 PM - 03:30 PM	45.4	41.9	06:05 PM - 06:10 PM	48.2	42.7
12:50 PM - 12:55 PM	45.6	42.3	03:30 PM - 03:35 PM	46.5	41.9	06:10 PM - 06:15 PM	44.9	41.9
12:55 PM - 01:00 PM	50.3	41.1	03:35 PM - 03:40 PM	46.1	43.3	06:15 PM - 06:20 PM	44.2	41.5
01:00 PM - 01:05 PM	48.2	41.0	03:40 PM - 03:45 PM	46.3	42.3	06:20 PM - 06:25 PM	45.5	42.0
01:05 PM - 01:10 PM	45.7	41.2	03:45 PM - 03:50 PM	43.9	41.3	06:25 PM - 06:30 PM	50.3	41.9
01:10 PM - 01:15 PM	47.6	43.2	03:50 PM - 03:55 PM	47.3	41.2	06:30 PM - 06:35 PM	45.8	41.9
01:15 PM - 01:20 PM	48.9	42.9	03:55 PM - 04:00 PM	45.5	42.4	06:35 PM - 06:40 PM	47.7	42.3
01:20 PM - 01:25 PM	47.1	42.8	04:00 PM - 04:05 PM	45.9	42.7	06:40 PM - 06:45 PM	44.6	43.0
01:25 PM - 01:30 PM	45.4	42.2	04:05 PM - 04:10 PM	50.5	43.9	06:45 PM - 06:50 PM	50.8	43.5
01:30 PM - 01:35 PM	44.0	41.4	04:10 PM - 04:15 PM	48.4	44.0	06:50 PM - 06:55 PM	53.8	53.3
01:35 PM - 01:40 PM	45.0	42.6	04:15 PM - 04:20 PM	51.4	43.5	06:55 PM - 07:00 PM	49.9	45.8

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588980-1

Page 2 of 3

Sample Number 2635082-25
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 25, 2026	Leq	L90	May 25 - May 26, 2026	Leq	L90	May 26, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	46.4	44.3	09:40 PM - 09:45 PM	48.0	44.6	12:20 AM - 12:25 AM	43.3	41.5
07:05 PM - 07:10 PM	46.5	45.1	09:45 PM - 09:50 PM	54.0	44.8	12:25 AM - 12:30 AM	43.3	41.2
07:10 PM - 07:15 PM	46.9	45.7	09:50 PM - 09:55 PM	48.5	44.8	12:30 AM - 12:35 AM	42.8	41.0
07:15 PM - 07:20 PM	46.2	45.2	09:55 PM - 10:00 PM	50.1	45.1	12:35 AM - 12:40 AM	43.0	40.8
07:20 PM - 07:25 PM	46.0	44.5	10:00 PM - 10:05 PM	47.2	44.2	12:40 AM - 12:45 AM	43.5	40.6
07:25 PM - 07:30 PM	47.1	46.1	10:05 PM - 10:10 PM	52.2	44.9	12:45 AM - 12:50 AM	43.1	41.2
07:30 PM - 07:35 PM	46.9	45.6	10:10 PM - 10:15 PM	49.2	45.1	12:50 AM - 12:55 AM	44.9	42.1
07:35 PM - 07:40 PM	46.8	45.7	10:15 PM - 10:20 PM	48.8	44.6	12:55 AM - 01:00 AM	44.4	41.3
07:40 PM - 07:45 PM	47.2	45.9	10:20 PM - 10:25 PM	48.4	44.6	01:00 AM - 01:05 AM	44.2	41.6
07:45 PM - 07:50 PM	46.6	45.7	10:25 PM - 10:30 PM	49.7	45.3	01:05 AM - 01:10 AM	44.5	41.9
07:50 PM - 07:55 PM	47.0	46.0	10:30 PM - 10:35 PM	48.7	45.0	01:10 AM - 01:15 AM	44.5	42.8
07:55 PM - 08:00 PM	46.1	45.2	10:35 PM - 10:40 PM	47.5	44.8	01:15 AM - 01:20 AM	45.7	43.8
08:00 PM - 08:05 PM	46.9	45.8	10:40 PM - 10:45 PM	47.9	44.7	01:20 AM - 01:25 AM	45.4	42.5
08:05 PM - 08:10 PM	46.9	45.8	10:45 PM - 10:50 PM	45.0	44.2	01:25 AM - 01:30 AM	43.9	42.6
08:10 PM - 08:15 PM	48.8	45.6	10:55 PM - 10:55 PM	44.7	43.8	01:30 AM - 01:35 AM	44.1	42.7
08:15 PM - 08:20 PM	46.4	45.1	10:55 PM - 11:00 PM	45.0	43.9	01:35 AM - 01:40 AM	45.2	43.5
08:20 PM - 08:25 PM	46.5	44.9	11:00 PM - 11:05 PM	45.3	43.8	01:40 AM - 01:45 AM	45.2	43.2
08:25 PM - 08:30 PM	46.3	45.0	11:05 PM - 11:10 PM	45.0	43.2	01:45 AM - 01:50 AM	45.9	44.5
08:30 PM - 08:35 PM	46.1	44.9	11:10 PM - 11:15 PM	56.0	44.6	01:50 AM - 01:55 AM	45.4	43.6
08:35 PM - 08:40 PM	49.0	45.5	11:15 PM - 11:20 PM	63.2	48.3	01:55 AM - 02:00 AM	45.7	44.3
08:40 PM - 08:45 PM	49.0	45.2	11:20 PM - 11:25 PM	46.4	44.9	02:00 AM - 02:05 AM	45.5	43.9
08:45 PM - 08:50 PM	49.0	45.0	11:25 PM - 11:30 PM	44.9	43.4	02:05 AM - 02:10 AM	44.7	42.7
08:50 PM - 08:55 PM	49.0	45.4	11:30 PM - 11:35 PM	43.5	41.9	02:10 AM - 02:15 AM	44.2	42.3
08:55 PM - 09:00 PM	49.3	46.2	11:35 PM - 11:40 PM	44.0	42.3	02:15 AM - 02:20 AM	45.6	42.5
09:00 PM - 09:05 PM	49.5	45.9	11:40 PM - 11:45 PM	43.3	41.9	02:20 AM - 02:25 AM	46.5	43.5
09:05 PM - 09:10 PM	49.1	45.2	11:45 PM - 11:50 PM	43.7	41.9	02:25 AM - 02:30 AM	46.0	42.9
09:10 PM - 09:15 PM	48.9	45.1	11:50 PM - 11:55 PM	43.1	41.9	02:30 AM - 02:35 AM	46.1	43.3
09:15 PM - 09:20 PM	47.5	45.6	11:55 PM - 12:00 AM	43.7	41.7	02:35 AM - 02:40 AM	46.0	43.5
09:20 PM - 09:25 PM	48.8	45.7	12:00 AM - 12:05 AM	43.3	41.5	02:40 AM - 02:45 AM	45.8	42.3
09:25 PM - 09:30 PM	50.6	45.8	12:05 AM - 12:10 AM	44.7	41.8	02:45 AM - 02:50 AM	45.3	41.4
09:30 PM - 09:35 PM	50.1	46.6	12:10 AM - 12:15 AM	43.4	41.6	02:50 AM - 02:55 AM	45.1	41.0
09:35 PM - 09:40 PM	49.4	45.8	12:15 AM - 12:20 AM	42.6	41.2	02:55 AM - 03:00 AM	44.4	40.7

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588980-1

Page 3 of 3

Sample Number 2635082-25
Parameter Noise Level (Leq 5 min)
Location ที่สถานีควบคุมการจราจรทางอากาศ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 25 - May 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 26, 2026	Leq	L90	May 26, 2026	Leq	L90	May 26, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
03:00 AM - 03:05 AM	44.8	40.8	05:40 AM - 05:45 AM	51.8	44.6	08:20 AM - 08:25 AM	46.1	40.1
03:05 AM - 03:10 AM	45.6	41.1	05:45 AM - 05:50 AM	54.8	43.3	08:25 AM - 08:30 AM	53.2	40.6
03:10 AM - 03:15 AM	45.6	41.6	05:50 AM - 05:55 AM	48.9	43.2	08:30 AM - 08:35 AM	54.3	41.1
03:15 AM - 03:20 AM	44.3	42.0	05:55 AM - 06:00 AM	53.3	43.4	08:35 AM - 08:40 AM	49.8	41.3
03:20 AM - 03:25 AM	44.8	41.7	06:00 AM - 06:05 AM	50.4	43.4	08:40 AM - 08:45 AM	47.5	41.5
03:25 AM - 03:30 AM	45.0	41.8	06:05 AM - 06:10 AM	47.4	44.5	08:45 AM - 08:50 AM	45.4	40.6
03:30 AM - 03:35 AM	45.2	41.4	06:10 AM - 06:15 AM	46.9	42.4	08:50 AM - 08:55 AM	49.4	40.9
03:35 AM - 03:40 AM	45.3	41.3	06:15 AM - 06:20 AM	45.7	42.7	08:55 AM - 09:00 AM	47.7	40.9
03:40 AM - 03:45 AM	44.9	41.5	06:20 AM - 06:25 AM	49.5	42.8	09:00 AM - 09:05 AM	44.2	41.4
03:45 AM - 03:50 AM	44.7	41.9	06:25 AM - 06:30 AM	46.1	43.4	09:05 AM - 09:10 AM	45.5	41.2
03:50 AM - 03:55 AM	43.2	41.7	06:30 AM - 06:35 AM	54.9	44.3	09:10 AM - 09:15 AM	47.2	41.9
03:55 AM - 04:00 AM	44.2	42.3	06:35 AM - 06:40 AM	47.8	43.8	09:15 AM - 09:20 AM	45.8	42.1
04:00 AM - 04:05 AM	44.5	42.8	06:40 AM - 06:45 AM	60.3	43.4	09:20 AM - 09:25 AM	46.6	42.2
04:05 AM - 04:10 AM	45.5	43.1	06:45 AM - 06:50 AM	46.8	43.9	09:25 AM - 09:30 AM	46.0	41.3
04:10 AM - 04:15 AM	45.7	42.4	06:50 AM - 06:55 AM	46.6	43.4	09:30 AM - 09:35 AM	46.0	41.3
04:15 AM - 04:20 AM	44.2	42.2	06:55 AM - 07:00 AM	53.0	44.7	09:35 AM - 09:40 AM	47.4	40.1
04:20 AM - 04:25 AM	44.9	42.9	07:00 AM - 07:05 AM	51.6	44.1	09:40 AM - 09:45 AM	45.9	40.5
04:25 AM - 04:30 AM	44.9	41.7	07:05 AM - 07:10 AM	47.7	44.2	09:45 AM - 09:50 AM	42.3	40.3
04:30 AM - 04:35 AM	44.1	41.4	07:10 AM - 07:15 AM	46.1	43.0	09:50 AM - 09:55 AM	44.7	41.0
04:35 AM - 04:40 AM	44.9	42.4	07:15 AM - 07:20 AM	49.8	43.0	09:55 AM - 10:00 AM	45.3	41.5
04:40 AM - 04:45 AM	45.0	42.4	07:20 AM - 07:25 AM	50.7	42.6	10:00 AM - 10:05 AM	45.7	41.2
04:45 AM - 04:50 AM	48.2	42.4	07:25 AM - 07:30 AM	51.1	42.8	10:05 AM - 10:10 AM	50.5	40.1
04:50 AM - 04:55 AM	45.9	43.0	07:30 AM - 07:35 AM	48.0	43.0	10:10 AM - 10:15 AM	52.2	40.1
04:55 AM - 05:00 AM	45.0	43.0	07:35 AM - 07:40 AM	52.1	42.7	10:15 AM - 10:20 AM	45.7	40.1
05:00 AM - 05:05 AM	44.7	43.1	07:40 AM - 07:45 AM	56.2	41.6	10:20 AM - 10:25 AM	43.6	40.9
05:05 AM - 05:10 AM	45.1	42.2	07:45 AM - 07:50 AM	49.1	41.9	10:25 AM - 10:30 AM	45.7	40.5
05:10 AM - 05:15 AM	46.1	42.9	07:50 AM - 07:55 AM	43.5	40.5	10:30 AM - 10:35 AM	45.4	41.6
05:15 AM - 05:20 AM	45.7	42.9	07:55 AM - 08:00 AM	46.2	40.2	10:35 AM - 10:40 AM	43.9	40.8
05:20 AM - 05:25 AM	49.4	46.0	08:00 AM - 08:05 AM	47.3	41.3	10:40 AM - 10:45 AM	45.7	42.2
05:25 AM - 05:30 AM	47.4	46.0	08:05 AM - 08:10 AM	47.6	41.6	10:45 AM - 10:50 AM	49.0	43.1
05:30 AM - 05:35 AM	47.9	45.3	08:10 AM - 08:15 AM	45.9	40.4	10:50 AM - 10:55 AM	51.7	44.8
05:35 AM - 05:40 AM	48.1	45.5	08:15 AM - 08:20 AM	49.5	40.6	10:55 AM - 11:00 AM	45.8	41.1



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588981-1

Page 2 of 3

Sample Number 2635082-26
Parameter Noise Level (Leq 5 min)
พิกัดค่าเสียงรบกวนที่ต่อเนื่อง (2) (H4) (GPS 47P 0744408, 1420901)
Location May 26 - May 27, 2026
Measurement Date Sitpawit Suwannarat
Measurement by Sound Level meter
Serial No. 531300

May 26, 2026	Leq	L90	May 26 - May 27, 2026	Leq	L90	May 27, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	45.4	44.2	09:40 PM - 09:45 PM	47.3	44.6	12:20 AM - 12:25 AM	48.3	44.5
07:05 PM - 07:10 PM	47.9	44.9	09:45 PM - 09:50 PM	46.8	44.8	12:25 AM - 12:30 AM	48.4	46.3
07:10 PM - 07:15 PM	47.9	45.8	09:50 PM - 09:55 PM	46.8	44.9	12:30 AM - 12:35 AM	47.7	45.2
07:15 PM - 07:20 PM	47.4	46.2	09:55 PM - 10:00 PM	46.0	44.2	12:35 AM - 12:40 AM	47.4	44.6
07:20 PM - 07:25 PM	46.9	45.9	10:00 PM - 10:05 PM	46.9	44.6	12:40 AM - 12:45 AM	46.5	43.9
07:25 PM - 07:30 PM	46.7	45.9	10:05 PM - 10:10 PM	54.5	44.2	12:45 AM - 12:50 AM	44.5	42.8
07:30 PM - 07:35 PM	47.1	45.5	10:10 PM - 10:15 PM	45.1	43.6	12:50 AM - 12:55 AM	45.3	42.7
07:35 PM - 07:40 PM	47.4	44.6	10:15 PM - 10:20 PM	45.8	44.0	12:55 AM - 01:00 AM	45.9	43.6
07:40 PM - 07:45 PM	49.7	45.5	10:20 PM - 10:25 PM	49.5	45.1	01:00 AM - 01:05 AM	45.3	43.1
07:45 PM - 07:50 PM	52.8	45.0	10:25 PM - 10:30 PM	45.8	43.9	01:05 AM - 01:10 AM	45.6	43.8
07:50 PM - 07:55 PM	53.5	44.9	10:30 PM - 10:35 PM	45.9	43.9	01:10 AM - 01:15 AM	44.7	42.8
07:55 PM - 08:00 PM	47.8	44.4	10:35 PM - 10:40 PM	44.8	43.4	01:15 AM - 01:20 AM	44.7	42.8
08:00 PM - 08:05 PM	46.2	44.8	10:40 PM - 10:45 PM	45.5	42.9	01:20 AM - 01:25 AM	43.7	42.1
08:05 PM - 08:10 PM	46.6	44.7	10:45 PM - 10:50 PM	45.0	42.7	01:25 AM - 01:30 AM	43.6	41.8
08:10 PM - 08:15 PM	49.3	44.4	10:50 PM - 10:55 PM	44.6	42.2	01:30 AM - 01:35 AM	44.7	42.4
08:15 PM - 08:20 PM	45.2	44.3	10:55 PM - 11:00 PM	46.0	42.8	01:35 AM - 01:40 AM	43.7	42.2
08:20 PM - 08:25 PM	49.4	44.8	11:00 PM - 11:05 PM	47.0	43.4	01:40 AM - 01:45 AM	44.6	42.1
08:25 PM - 08:30 PM	47.2	44.9	11:05 PM - 11:10 PM	48.0	45.3	01:45 AM - 01:50 AM	43.4	41.9
08:30 PM - 08:35 PM	48.3	45.1	11:10 PM - 11:15 PM	47.5	44.3	01:50 AM - 01:55 AM	43.3	42.1
08:35 PM - 08:40 PM	47.4	45.0	11:15 PM - 11:20 PM	48.1	44.6	01:55 AM - 02:00 AM	42.9	41.7
08:40 PM - 08:45 PM	46.8	44.8	11:20 PM - 11:25 PM	47.4	44.0	02:00 AM - 02:05 AM	42.6	41.3
08:45 PM - 08:50 PM	48.1	45.1	11:25 PM - 11:30 PM	44.0	43.3	02:05 AM - 02:10 AM	42.2	40.6
08:50 PM - 08:55 PM	47.3	45.2	11:30 PM - 11:35 PM	46.0	43.8	02:10 AM - 02:15 AM	44.2	41.4
08:55 PM - 09:00 PM	48.2	44.9	11:35 PM - 11:40 PM	46.9	43.9	02:15 AM - 02:20 AM	43.7	41.3
09:00 PM - 09:05 PM	46.6	44.8	11:40 PM - 11:45 PM	48.4	44.7	02:20 AM - 02:25 AM	49.7	41.4
09:05 PM - 09:10 PM	47.6	44.1	11:45 PM - 11:50 PM	45.4	44.0	02:25 AM - 02:30 AM	43.0	41.6
09:10 PM - 09:15 PM	47.3	44.5	11:50 PM - 11:55 PM	45.2	44.4	02:30 AM - 02:35 AM	42.9	41.5
09:15 PM - 09:20 PM	47.7	44.4	11:55 PM - 12:00 AM	46.7	44.7	02:35 AM - 02:40 AM	43.7	41.8
09:20 PM - 09:25 PM	47.3	43.8	12:00 AM - 12:05 AM	46.0	45.0	02:40 AM - 02:45 AM	42.2	41.3
09:25 PM - 09:30 PM	47.0	44.5	12:05 AM - 12:10 AM	48.4	46.5	02:45 AM - 02:50 AM	42.1	40.8
09:30 PM - 09:35 PM	47.0	44.4	12:10 AM - 12:15 AM	48.0	44.6	02:50 AM - 02:55 AM	42.4	40.9
09:35 PM - 09:40 PM	47.1	44.5	12:15 AM - 12:20 AM	48.2	44.6	02:55 AM - 03:00 AM	43.5	41.8

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Approved by

Sarayuht Jittrantorn
Assistant General Manager

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588981-1

Page 3 of 3

Sample Number 2635082-26
Parameter Noise Level (Leq 5 min)
พิกัดค่าเสียงรบกวนที่ต่อเนื่อง (2) (H4) (GPS 47P 0744408, 1420901)
Location May 26 - May 27, 2026
Measurement Date Sitpawit Suwannarat
Measurement by Sound Level meter
Serial No. 531300

May 27, 2026	Leq	L90	May 27, 2026	Leq	L90	May 27, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
03:00 AM - 03:05 AM	43.6	42.0	05:40 AM - 05:45 AM	50.0	43.5	08:20 AM - 08:25 AM	46.2	39.9
03:05 AM - 03:10 AM	43.2	41.9	05:45 AM - 05:50 AM	53.7	43.3	08:25 AM - 08:30 AM	50.0	39.9
03:10 AM - 03:15 AM	43.6	42.1	05:50 AM - 05:55 AM	50.4	43.3	08:30 AM - 08:35 AM	49.1	40.9
03:15 AM - 03:20 AM	43.6	41.6	05:55 AM - 06:00 AM	48.4	43.5	08:35 AM - 08:40 AM	43.6	40.2
03:20 AM - 03:25 AM	42.8	41.9	06:00 AM - 06:05 AM	49.1	43.3	08:40 AM - 08:45 AM	42.3	39.2
03:25 AM - 03:30 AM	43.1	42.1	06:05 AM - 06:10 AM	54.2	42.5	08:45 AM - 08:50 AM	44.7	39.3
03:30 AM - 03:35 AM	43.5	42.6	06:10 AM - 06:15 AM	48.6	44.4	08:50 AM - 08:55 AM	48.1	38.4
03:35 AM - 03:40 AM	44.0	43.2	06:15 AM - 06:20 AM	50.5	45.2	08:55 AM - 09:00 AM	43.3	39.2
03:40 AM - 03:45 AM	43.3	42.4	06:20 AM - 06:25 AM	49.7	44.2	09:00 AM - 09:05 AM	52.4	39.0
03:45 AM - 03:50 AM	43.9	43.1	06:25 AM - 06:30 AM	49.0	43.8	09:05 AM - 09:10 AM	49.8	39.2
03:50 AM - 03:55 AM	45.1	42.6	06:30 AM - 06:35 AM	46.2	43.9	09:10 AM - 09:15 AM	52.3	39.2
03:55 AM - 04:00 AM	43.4	41.9	06:35 AM - 06:40 AM	47.7	43.3	09:15 AM - 09:20 AM	45.3	38.1
04:00 AM - 04:05 AM	43.2	41.9	06:40 AM - 06:45 AM	49.0	44.2	09:20 AM - 09:25 AM	45.9	39.1
04:05 AM - 04:10 AM	43.7	42.1	06:45 AM - 06:50 AM	48.2	43.4	09:25 AM - 09:30 AM	44.0	38.3
04:10 AM - 04:15 AM	43.8	42.6	06:50 AM - 06:55 AM	53.7	42.9	09:30 AM - 09:35 AM	44.9	39.7
04:15 AM - 04:20 AM	44.0	42.7	06:55 AM - 07:00 AM	57.1	42.4	09:35 AM - 09:40 AM	42.9	39.5
04:20 AM - 04:25 AM	44.1	42.7	07:00 AM - 07:05 AM	49.1	41.2	09:40 AM - 09:45 AM	42.1	39.5
04:25 AM - 04:30 AM	43.3	42.1	07:05 AM - 07:10 AM	47.4	41.7	09:45 AM - 09:50 AM	49.0	39.8
04:30 AM - 04:35 AM	43.6	41.6	07:10 AM - 07:15 AM	47.6	41.3	09:50 AM - 09:55 AM	41.8	39.1
04:35 AM - 04:40 AM	47.7	41.3	07:15 AM - 07:20 AM	44.6	40.4	09:55 AM - 10:00 AM	44.3	40.6
04:40 AM - 04:45 AM	44.9	42.0	07:20 AM - 07:25 AM	50.3	40.2	10:00 AM - 10:05 AM	42.2	38.9
04:45 AM - 04:50 AM	44.8	41.4	07:25 AM - 07:30 AM	56.4	40.7	10:05 AM - 10:10 AM	43.9	38.6
04:50 AM - 04:55 AM	44.8	42.1	07:30 AM - 07:35 AM	46.1	40.3	10:10 AM - 10:15 AM	43.9	39.6
04:55 AM - 05:00 AM	45.4	42.1	07:35 AM - 07:40 AM	48.6	39.9	10:15 AM - 10:20 AM	43.3	41.2
05:00 AM - 05:05 AM	45.4	42.5	07:40 AM - 07:45 AM	44.5	39.5	10:20 AM - 10:25 AM	43.9	40.7
05:05 AM - 05:10 AM	45.8	42.2	07:45 AM - 07:50 AM	43.8	40.2	10:25 AM - 10:30 AM	49.5	41.1
05:10 AM - 05:15 AM	46.5	44.0	07:50 AM - 07:55 AM	56.6	40.5	10:30 AM - 10:35 AM	48.5	41.9
05:15 AM - 05:20 AM	46.1	44.0	07:55 AM - 08:00 AM	49.7	41.1	10:35 AM - 10:40 AM	45.4	41.7
05:20 AM - 05:25 AM	49.0	45.0	08:00 AM - 08:05 AM	49.4	41.0	10:40 AM - 10:45 AM	45.1	41.4
05:25 AM - 05:30 AM	47.2	44.4	08:05 AM - 08:10 AM	51.0	40.7	10:45 AM - 10:50 AM	44.7	41.5
05:30 AM - 05:35 AM	48.3	44.5	08:10 AM - 08:15 AM	43.8	39.1	10:50 AM - 10:55 AM	45.9	40.8
05:35 AM - 05:40 AM	47.1	44.2	08:15 AM - 08:20 AM	44.3	39.5	10:55 AM - 11:00 AM	50.0	42.5

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

Approved by

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



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588982-1

Page 1 of 3

Sample Number 2635082-27
Parameter Noise Level (Leq 5 min)
พิกัดค่าเสียงรบกวนที่ต่อเนื่อง (2) (H4) (GPS 47P 0744408, 1420901)
Location May 27 - May 28, 2026
Measurement Date Sitpawit Suwannarat
Measurement by Sound Level meter
Serial No. 531300

May 27, 2026	Leq	L90	May 27, 2026	Leq	L90	May 27, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	51.1	42.0	01:40 PM - 01:45 PM	48.4	41.6	04:20 PM - 04:25 PM	45.4	41.9
11:05 AM - 11:10 AM	44.8	41.6	01:45 PM - 01:50 PM	42.5	40.2	04:25 PM - 04:30 PM	44.1	41.5
11:10 AM - 11:15 AM	43.3	41.1	01:50 PM - 01:55 PM	42.5	39.2	04:30 PM - 04:35 PM	47.7	42.5
11:15 AM - 11:20 AM	45.8	41.7	01:55 PM - 02:00 PM	48.1	39.1	04:35 PM - 04:40 PM	46.9	43.5
11:20 AM - 11:25 AM	45.6	42.6	02:00 PM - 02:05 PM	46.9	39.6	04:40 PM - 04:45 PM	46.3	43.5
11:25 AM - 11:30 AM	47.5	43.0	02:05 PM - 02:10 PM	43.1	39.5	04:45 PM - 04:50 PM	48.0	42.5
11:30 AM - 11:35 AM	46.0	43.0	02:10 PM - 02:15 PM	47.7	41.7	04:50 PM - 04:55 PM	53.1	42.1
11:35 AM - 11:40 AM	46.3	43.0	02:15 PM - 02:20 PM	44.9	39.9	04:55 PM - 05:00 PM	54.1	43.2
11:40 AM - 11:45 AM	45.0	41.9	02:20 PM - 02:25 PM	45.0	41.5	05:00 PM - 05:05 PM	47.7	44.5
11:45 AM - 11:50 AM	45.3	42.1	02:25 PM - 02:30 PM	47.2	41.1	05:05 PM - 05:10 PM	47.9	43.5
11:50 AM - 11:55 AM	45.0	41.8	02:30 PM - 02:35 PM	43.3	41.4	05:10 PM - 05:15 PM	46.6	43.1
11:55 AM - 12:00 PM	45.0	41.9	02:35 PM - 02:40 PM	44.3	41.6	05:15 PM - 05:20 PM	46.3	42.5
12:00 PM - 12:05 PM	45.3	42.1	02:40 PM - 02:45 PM	43.1	40.8	05:20 PM - 05:25 PM	48.4	43.8
12:05 PM - 12:10 PM	45.2	41.4	02:45 PM - 02:50 PM	43.0	40.9	05:25 PM - 05:30 PM	48.9	44.6
12:10 PM - 12:15 PM	50.2	40.5	02:50 PM - 02:55 PM	43.8	40.9	05:30 PM - 05:35 PM	48.1	44.2
12:15 PM - 12:20 PM	48.3	41.8	02:55 PM - 03:00 PM	51.3	42.2	05:35 PM - 05:40 PM	48.2	43.2
12:20 PM - 12:25 PM	44.8	41.3	03:00 PM - 03:05 PM	42.5	39.9	05:40 PM - 05:45 PM	48.7	43.5
12:25 PM - 12:30 PM	45.4	40.3	03:05 PM - 03:10 PM	43.5	41.0	05:45 PM - 05:50 PM	51.5	44.0
12:30 PM - 12:35 PM	49.2	42.0	03:10 PM - 03:15 PM	54.4	41.9	05:50 PM - 05:55 PM	52.6	44.2
12:35 PM - 12:40 PM	50.3	41.1	03:15 PM - 03:20 PM	46.6	41.8	05:55 PM - 06:00 PM	51.6	44.5
12:40 PM - 12:45 PM	46.2	40.8	03:20 PM - 03:25 PM	44.6	41.3	06:00 PM - 06:05 PM	46.6	43.9
12:45 PM - 12:50 PM	49.0	41.4	03:25 PM - 03:30 PM	43.8	41.7	06:05 PM - 06:10 PM	49.5	44.5
12:50 PM - 12:55 PM	51.8	41.1	03:30 PM - 03:35 PM	46.0	41.6	06:10 PM - 06:15 PM	50.0	43.8
12:55 PM - 01:00 PM	44.4	42.2	03:35 PM - 03:40 PM	49.3	41.8	06:15 PM - 06:20 PM	47.5	44.1
01:00 PM - 01:05 PM	43.8	41.5	03:40 PM - 03:45 PM	49.4	42.4	06:20 PM - 06:25 PM	46.2	43.9
01:05 PM - 01:10 PM	44.2	40.7	03:45 PM - 03:50 PM	48.6	42.9	06:25 PM - 06:30 PM	45.8	43.3
01:10 PM - 01:15 PM	48.9	40.9	03:50 PM - 03:55 PM	48.2	41.3	06:30 PM - 06:35 PM	45.3	43.3
01:15 PM - 01:20 PM	49.7	41.1	03:55 PM - 04:00 PM	50.3	42.8	06:35 PM - 06:40 PM	45.4	42.3
01:20 PM - 01:25 PM	48.2	41.0	04:00 PM - 04:05 PM	52.0	41.4	06:40 PM - 06:45 PM	46.1	42.8
01:25 PM - 01:30 PM	43.5	40.4	04:05 PM - 04:10 PM	50.3	42.8	06:45 PM - 06:50 PM	46.3	42.7
01:30 PM - 01:35 PM	43.9	40.8	04:10 PM - 04:15 PM	45.5	41.8	06:50 PM - 06:55 PM	45.4	43.1
01:35 PM - 01:40 PM	44.2	40.6	04:15 PM - 04:20 PM	47.6	42.1	06:55 PM - 07:00 PM	43.9	42.7



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588982-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample Number 2635082-27
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน(2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 27 - May 28, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 28, 2026	Leq	L90	May 28, 2026	Leq	L90	May 28, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
03:00 AM - 03:05 AM	43.4	40.1	05:40 AM - 05:45 AM	48.9	46.7	08:20 AM - 08:25 AM	44.7	40.4
03:05 AM - 03:10 AM	43.3	40.8	05:45 AM - 05:50 AM	49.8	45.9	08:25 AM - 08:30 AM	48.2	42.6
03:10 AM - 03:15 AM	43.5	41.2	05:50 AM - 05:55 AM	51.8	44.2	08:30 AM - 08:35 AM	50.8	41.7
03:15 AM - 03:20 AM	42.4	39.4	05:55 AM - 06:00 AM	48.8	44.1	08:35 AM - 08:40 AM	50.9	40.7
03:20 AM - 03:25 AM	42.5	40.7	06:00 AM - 06:05 AM	49.9	44.4	08:40 AM - 08:45 AM	44.8	40.5
03:25 AM - 03:30 AM	43.1	41.2	06:05 AM - 06:10 AM	53.3	44.8	08:45 AM - 08:50 AM	44.3	40.1
03:30 AM - 03:35 AM	43.0	42.0	06:10 AM - 06:15 AM	51.7	44.7	08:50 AM - 08:55 AM	44.3	40.8
03:35 AM - 03:40 AM	42.9	41.2	06:15 AM - 06:20 AM	48.7	43.1	08:55 AM - 09:00 AM	46.9	43.0
03:40 AM - 03:45 AM	42.4	40.3	06:20 AM - 06:25 AM	49.2	43.9	09:00 AM - 09:05 AM	48.0	43.1
03:45 AM - 03:50 AM	42.2	40.0	06:25 AM - 06:30 AM	49.4	43.5	09:05 AM - 09:10 AM	47.9	41.5
03:50 AM - 03:55 AM	42.6	40.9	06:30 AM - 06:35 AM	47.0	43.3	09:10 AM - 09:15 AM	46.0	40.8
03:55 AM - 04:00 AM	43.1	41.6	06:35 AM - 06:40 AM	48.2	44.2	09:15 AM - 09:20 AM	43.8	39.1
04:00 AM - 04:05 AM	43.1	41.6	06:40 AM - 06:45 AM	45.6	43.3	09:20 AM - 09:25 AM	45.0	39.2
04:05 AM - 04:10 AM	43.3	41.9	06:45 AM - 06:50 AM	49.7	43.5	09:25 AM - 09:30 AM	45.6	40.8
04:10 AM - 04:15 AM	43.9	42.1	06:50 AM - 06:55 AM	51.0	43.0	09:30 AM - 09:35 AM	50.2	40.9
04:15 AM - 04:20 AM	44.9	44.0	06:55 AM - 07:00 AM	54.4	43.3	09:35 AM - 09:40 AM	46.8	40.3
04:20 AM - 04:25 AM	45.0	44.0	07:00 AM - 07:05 AM	46.6	42.6	09:40 AM - 09:45 AM	49.2	40.0
04:25 AM - 04:30 AM	44.8	43.9	07:05 AM - 07:10 AM	47.5	42.1	09:45 AM - 09:50 AM	48.6	39.9
04:30 AM - 04:35 AM	44.6	43.2	07:10 AM - 07:15 AM	45.7	42.1	09:50 AM - 09:55 AM	45.8	39.0
04:35 AM - 04:40 AM	46.3	43.6	07:15 AM - 07:20 AM	46.8	42.2	09:55 AM - 10:00 AM	46.6	38.3
04:40 AM - 04:45 AM	46.3	42.9	07:20 AM - 07:25 AM	49.4	42.6	10:00 AM - 10:05 AM	52.5	39.9
04:45 AM - 04:50 AM	46.1	43.2	07:25 AM - 07:30 AM	52.9	42.6	10:05 AM - 10:10 AM	46.5	43.0
04:50 AM - 04:55 AM	45.4	43.1	07:30 AM - 07:35 AM	46.6	42.3	10:10 AM - 10:15 AM	46.9	41.0
04:55 AM - 05:00 AM	47.8	44.5	07:35 AM - 07:40 AM	48.0	41.3	10:15 AM - 10:20 AM	47.9	43.2
05:00 AM - 05:05 AM	47.1	44.5	07:40 AM - 07:45 AM	46.8	41.4	10:20 AM - 10:25 AM	44.9	41.3
05:05 AM - 05:10 AM	47.3	44.3	07:45 AM - 07:50 AM	48.3	41.0	10:25 AM - 10:30 AM	46.2	41.9
05:10 AM - 05:15 AM	47.3	44.8	07:50 AM - 07:55 AM	45.8	40.0	10:30 AM - 10:35 AM	45.9	41.8
05:15 AM - 05:20 AM	47.5	44.7	07:55 AM - 08:00 AM	48.2	41.3	10:35 AM - 10:40 AM	47.9	40.7
05:20 AM - 05:25 AM	48.0	44.6	08:00 AM - 08:05 AM	45.3	40.8	10:40 AM - 10:45 AM	42.8	39.0
05:25 AM - 05:30 AM	49.6	47.3	08:05 AM - 08:10 AM	50.9	40.7	10:45 AM - 10:50 AM	42.5	38.7
05:30 AM - 05:35 AM	52.0	47.8	08:10 AM - 08:15 AM	47.5	41.6	10:50 AM - 10:55 AM	44.8	40.1
05:35 AM - 05:40 AM	49.4	47.5	08:15 AM - 08:20 AM	47.2	41.3	10:55 AM - 11:00 AM	47.9	40.3

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ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588983-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample Number 2635082-28
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน(2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 28, 2026	Leq	L90	May 28, 2026	Leq	L90	May 28, 2026	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	49.7	42.5	01:40 PM - 01:45 PM	49.4	43.9	04:20 PM - 04:25 PM	47.6	40.7
11:05 AM - 11:10 AM	47.2	42.5	01:45 PM - 01:50 PM	47.2	42.9	04:25 PM - 04:30 PM	44.5	40.1
11:10 AM - 11:15 AM	46.4	41.7	01:50 PM - 01:55 PM	45.3	42.5	04:30 PM - 04:35 PM	43.2	40.1
11:15 AM - 11:20 AM	45.6	42.3	01:55 PM - 02:00 PM	45.2	42.7	04:35 PM - 04:40 PM	45.4	41.3
11:20 AM - 11:25 AM	46.4	43.2	02:00 PM - 02:05 PM	46.3	42.1	04:40 PM - 04:45 PM	54.4	41.0
11:25 AM - 11:30 AM	44.9	41.5	02:05 PM - 02:10 PM	45.6	43.0	04:45 PM - 04:50 PM	49.1	39.9
11:30 AM - 11:35 AM	43.9	41.4	02:10 PM - 11:35 AM	44.1	41.9	04:50 PM - 04:55 PM	45.0	40.0
11:35 AM - 11:40 AM	43.8	40.5	02:15 PM - 02:20 PM	44.2	41.6	04:55 PM - 05:00 PM	48.4	40.2
11:40 AM - 11:45 AM	45.5	41.9	02:20 PM - 02:25 PM	45.2	42.8	05:00 PM - 05:05 PM	46.4	40.5
11:45 AM - 11:50 AM	45.7	42.8	02:25 PM - 02:30 PM	48.1	41.9	05:05 PM - 05:10 PM	45.9	40.6
11:50 AM - 11:55 AM	47.8	42.9	02:30 PM - 02:35 PM	45.2	41.7	05:10 PM - 05:15 PM	44.2	39.9
11:55 AM - 12:00 PM	46.1	42.6	02:35 PM - 02:40 PM	45.8	41.4	05:15 PM - 05:20 PM	48.8	41.4
12:00 PM - 12:05 PM	57.6	43.9	02:40 PM - 02:45 PM	47.4	40.7	05:20 PM - 05:25 PM	45.4	40.6
12:05 PM - 12:10 PM	55.8	43.4	02:45 PM - 02:50 PM	45.8	42.3	05:25 PM - 05:30 PM	44.7	40.0
12:10 PM - 12:15 PM	56.6	43.4	02:50 PM - 02:55 PM	48.0	42.1	05:30 PM - 05:35 PM	43.8	40.6
12:15 PM - 12:20 PM	46.6	41.6	02:55 PM - 03:00 PM	44.1	41.7	05:35 PM - 05:40 PM	47.3	40.1
12:20 PM - 12:25 PM	47.7	42.9	03:00 PM - 03:05 PM	45.6	40.6	05:40 PM - 05:45 PM	43.5	40.7
12:25 PM - 12:30 PM	53.5	42.1	03:05 PM - 03:10 PM	45.4	41.3	05:45 PM - 05:50 PM	50.6	43.5
12:30 PM - 12:35 PM	49.4	41.7	03:10 PM - 03:15 PM	53.5	41.9	05:50 PM - 05:55 PM	53.1	43.0
12:35 PM - 12:40 PM	44.2	41.3	03:15 PM - 03:20 PM	50.7	41.9	05:55 PM - 06:00 PM	40.8	41.7
12:40 PM - 12:45 PM	44.2	40.4	03:20 PM - 03:25 PM	44.3	41.5	06:00 PM - 06:05 PM	58.3	42.7
12:45 PM - 12:50 PM	47.0	40.7	03:25 PM - 03:30 PM	46.3	41.6	06:05 PM - 06:10 PM	47.3	41.7
12:50 PM - 12:55 PM	48.0	42.5	03:30 PM - 03:35 PM	45.9	40.6	06:10 PM - 06:15 PM	46.5	41.9
12:55 PM - 01:00 PM	50.4	42.5	03:35 PM - 03:40 PM	44.7	41.6	06:15 PM - 06:20 PM	48.3	41.8
01:00 PM - 01:05 PM	49.9	42.8	03:40 PM - 03:45 PM	50.1	40.2	06:20 PM - 06:25 PM	48.7	42.6
01:05 PM - 01:10 PM	46.8	42.9	03:45 PM - 03:50 PM	43.7	40.1	06:25 PM - 06:30 PM	46.8	43.5
01:10 PM - 01:15 PM	52.3	42.0	03:50 PM - 03:55 PM	44.4	40.8	06:30 PM - 06:35 PM	49.1	42.0
01:15 PM - 01:20 PM	51.3	41.5	03:55 PM - 04:00 PM	42.3	39.2	06:35 PM - 06:40 PM	40.0	42.6
01:20 PM - 01:25 PM	44.1	40.8	04:00 PM - 04:05 PM	46.8	40.8	06:40 PM - 06:45 PM	55.1	43.5
01:25 PM - 01:30 PM	46.6	42.0	04:05 PM - 04:10 PM	43.8	40.7	06:45 PM - 06:50 PM	49.0	44.1
01:30 PM - 01:35 PM	49.3	41.8	04:10 PM - 04:15 PM	45.7	41.0	06:50 PM - 06:55 PM	46.6	42.5
01:35 PM - 01:40 PM	51.7	45.2	04:15 PM - 04:20 PM	46.9	41.6	06:55 PM - 07:00 PM	46.7	42.8

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

Sarayuht Jittrantorn
Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635082
Date Received :Jun 04, 2026
Date Reported :Jun 08, 2026
Report Number :3588983-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample Number 2635082-28
Parameter Noise Level (Leq 5 min)
Location ที่สถานีพัฒนาพลังงานทดแทน(2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 28 - May 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 531300

May 28, 2026			May 28 - May 29, 2026			May 29, 2026		
Time	Leq	L90	Time	Leq	L90	Time	Leq	L90
	dB(A)	dB(A)		dB(A)	dB(A)		dB(A)	dB(A)
07:00 PM - 07:05 PM	47.2	43.3	09:40 PM - 09:45 PM	49.6	42.8	12:20 AM - 12:25 AM	48.3	42.5
07:05 PM - 07:10 PM	46.3	44.0	09:45 PM - 09:50 PM	47.0	42.7	12:25 AM - 12:30 AM	43.1	42.1
07:10 PM - 07:15 PM	47.3	43.5	09:50 PM - 09:55 PM	44.9	42.5	12:30 AM - 12:35 AM	42.9	42.1
07:15 PM - 07:20 PM	47.3	43.2	09:55 PM - 10:00 PM	47.0	42.0	12:35 AM - 12:40 AM	42.3	41.2
07:20 PM - 07:25 PM	48.0	44.1	10:00 PM - 10:05 PM	43.6	41.6	12:40 AM - 12:45 AM	47.4	41.8
07:25 PM - 07:30 PM	45.1	43.2	10:05 PM - 10:10 PM	42.9	41.9	12:45 AM - 12:50 AM	47.4	42.7
07:30 PM - 07:35 PM	46.4	43.1	10:10 PM - 10:15 PM	42.6	41.6	12:50 AM - 12:55 AM	43.9	42.2
07:35 PM - 07:40 PM	45.4	43.0	10:15 PM - 10:20 PM	43.8	42.1	12:55 AM - 01:00 AM	51.6	41.8
07:40 PM - 07:45 PM	48.2	43.2	10:20 PM - 10:25 PM	43.0	41.9	01:00 AM - 01:05 AM	43.6	42.1
07:45 PM - 07:50 PM	47.0	43.4	10:25 PM - 10:30 PM	42.8	41.6	01:05 AM - 01:10 AM	44.4	41.3
07:50 PM - 07:55 PM	48.0	43.6	10:30 PM - 10:35 PM	42.4	41.4	01:10 AM - 01:15 AM	42.8	41.2
07:55 PM - 08:00 PM	47.5	44.2	10:35 PM - 10:40 PM	44.5	42.0	01:15 AM - 01:20 AM	43.3	41.9
08:00 PM - 08:05 PM	48.0	45.9	10:40 PM - 10:45 PM	43.9	42.0	01:20 AM - 01:25 AM	43.5	42.4
08:05 PM - 08:10 PM	48.1	45.8	10:45 PM - 10:50 PM	44.2	41.9	01:25 AM - 01:30 AM	43.9	42.9
08:10 PM - 08:15 PM	48.9	43.7	10:50 PM - 10:55 PM	43.3	42.1	01:30 AM - 01:35 AM	43.8	42.8
08:15 PM - 08:20 PM	47.4	44.4	10:55 PM - 11:00 PM	43.1	42.2	01:35 AM - 01:40 AM	43.0	42.1
08:20 PM - 08:25 PM	46.5	43.4	11:00 PM - 11:05 PM	43.1	41.8	01:40 AM - 01:45 AM	43.9	42.9
08:25 PM - 08:30 PM	47.1	43.1	11:05 PM - 11:10 PM	43.1	42.0	01:45 AM - 01:50 AM	43.9	43.0
08:30 PM - 08:35 PM	45.8	42.7	11:10 PM - 11:15 PM	43.2	42.4	01:50 AM - 01:55 AM	44.7	42.5
08:35 PM - 08:40 PM	46.3	43.3	11:15 PM - 11:20 PM	44.4	42.4	01:55 AM - 02:00 AM	43.9	41.1
08:40 PM - 08:45 PM	46.0	41.5	11:20 PM - 11:25 PM	43.5	42.5	02:00 AM - 02:05 AM	43.7	41.1
08:45 PM - 08:50 PM	45.9	42.0	11:25 PM - 11:30 PM	43.8	42.7	02:05 AM - 02:10 AM	43.3	41.6
08:50 PM - 08:55 PM	43.4	42.3	11:30 PM - 11:35 PM	43.3	42.5	02:10 AM - 02:15 AM	47.5	42.3
08:55 PM - 09:00 PM	47.2	42.9	11:35 PM - 11:40 PM	44.4	43.2	02:15 AM - 02:20 AM	51.1	41.2
09:00 PM - 09:05 PM	45.0	43.5	11:40 PM - 11:45 PM	43.0	42.0	02:20 AM - 02:25 AM	43.3	42.3
09:05 PM - 09:10 PM	46.1	43.1	11:45 PM - 11:50 PM	43.2	41.9	02:25 AM - 02:30 AM	43.3	41.3
09:10 PM - 09:15 PM	48.6	44.0	11:50 PM - 11:55 PM	42.5	41.5	02:30 AM - 02:35 AM	44.0	41.1
09:15 PM - 09:20 PM	48.6	43.7	11:55 PM - 12:00 AM	42.6	41.6	02:35 AM - 02:40 AM	44.5	41.5
09:20 PM - 09:25 PM	48.2	43.5	12:00 AM - 12:05 AM	44.0	42.0	02:40 AM - 02:45 AM	44.1	42.1
09:25 PM - 09:30 PM	47.6	44.8	12:05 AM - 12:10 AM	43.5	42.0	02:45 AM - 02:50 AM	44.9	42.7
09:30 PM - 09:35 PM	47.8	43.6	12:10 AM - 12:15 AM	44.3	42.5	02:50 AM - 02:55 AM	45.4	43.0
09:35 PM - 09:40 PM	44.6	43.1	12:15 AM - 12:20 AM	56.6	43.1	02:55 AM - 03:00 AM	44.7	42.0

ระดับเสียงรบกวน



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
Location : Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593949-1

Page 1 of 3

Sample No. 2635083-1
Parameter เสียงรบกวน
Location พื้นที่ชายฝั่งด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 22 - 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
09:00 AM - 10:00 AM	48.4	45.4	45.4	-	40.2	5.2
10:00 AM - 11:00 AM	51.8	48.8	48.8	-	39.2	9.6
11:00 AM - 12:00 PM	45.8	42.8	42.8	-	38.3	4.5
12:00 PM - 01:00 PM	48.6	45.6	45.6	-	40.7	4.9
01:00 PM - 02:00 PM	48.7	45.7	45.7	-	39.8	5.9
02:00 PM - 03:00 PM	49.5	46.5	46.5	-	42.0	4.5
03:00 PM - 04:00 PM	48.6	45.6	45.6	-	40.4	5.2
04:00 PM - 05:00 PM	49.4	46.4	46.4	-	40.0	6.4
05:00 PM - 06:00 PM	46.6	43.6	43.6	-	39.0	4.6
06:00 PM - 07:00 PM	47.1	44.1	44.1	-	39.4	4.7
07:00 PM - 08:00 PM	49.9	46.9	46.9	-	40.0	6.9
08:00 PM - 09:00 PM	49.2	46.2	46.2	-	39.6	6.6
09:00 PM - 10:00 PM	47.9	44.9	44.9	-	39.5	5.4
10:00 PM - 10:05 PM	47.2	44.2	-	47.2	39.4	7.8
10:05 PM - 10:10 PM	47.1	44.1	-	47.1	39.8	7.3
10:10 PM - 10:15 PM	54.4	51.4	-	54.4	40.8	13.6
10:15 PM - 10:20 PM	51.7	48.7	-	51.7	40.7	13.0
10:20 PM - 10:25 PM	48.0	45.0	-	48.0	42.2	5.8
10:25 PM - 10:30 PM	47.5	44.5	-	47.5	42.5	5.0
10:30 PM - 10:35 PM	47.9	44.9	-	47.9	42.6	5.3
10:35 PM - 10:40 PM	47.8	44.8	-	47.8	42.1	5.7
10:40 PM - 10:45 PM	47.1	44.1	-	47.1	42.0	5.1
10:45 PM - 10:50 PM	47.6	44.6	-	47.6	42.1	5.5
10:50 PM - 10:55 PM	48.6	45.6	-	48.6	42.4	6.2
10:55 PM - 11:00 PM	47.8	44.8	-	47.8	42.1	5.7
11:00 PM - 11:05 PM	50.1	47.1	-	50.1	42.7	7.4
11:05 PM - 11:10 PM	47.0	44.0	-	47.0	42.4	4.6
11:10 PM - 11:15 PM	47.9	44.9	-	47.9	42.8	5.1
11:15 PM - 11:20 PM	48.6	45.6	-	48.6	42.9	5.7
11:20 PM - 11:25 PM	47.7	44.7	-	47.7	42.4	5.3
11:25 PM - 11:30 PM	47.2	44.2	-	47.2	42.5	4.7
11:30 PM - 11:35 PM	47.7	44.7	-	47.7	43.2	4.5
11:35 PM - 11:40 PM	47.9	44.9	-	47.9	43.1	4.8
11:40 PM - 11:45 PM	47.6	44.6	-	47.6	43.0	4.6
11:45 PM - 11:50 PM	47.8	44.8	-	47.8	42.9	4.9
11:50 PM - 11:55 PM	48.6	45.6	-	48.6	43.2	5.4
11:55 PM - 12:00 AM	48.0	45.0	-	48.0	43.1	4.9
12:00 AM - 12:05 AM	50.0	47.0	-	50.0	43.2	6.8
12:05 AM - 12:10 AM	48.4	45.4	-	48.4	43.0	5.4
12:10 AM - 12:15 AM	47.8	44.8	-	47.8	42.7	5.1

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Approved by

Wibab.

Wilawan Borirak
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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
Location : Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593949-1

Page 2 of 3

Sample No. 2635083-1
Parameter เสียงรบกวน
Location พื้นที่ชายฝั่งด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 22 - 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:15 AM - 12:20 AM	47.3	44.3	-	47.3	42.3	5.0
12:20 AM - 12:25 AM	47.1	44.1	-	47.1	42.5	4.6
12:25 AM - 12:30 AM	47.7	44.7	-	47.7	43.0	4.7
12:30 AM - 12:35 AM	47.1	44.1	-	47.1	42.9	4.2
12:35 AM - 12:40 AM	46.9	43.9	-	46.9	42.6	4.3
12:40 AM - 12:45 AM	46.6	43.6	-	46.6	42.7	3.9
12:45 AM - 12:50 AM	46.6	43.6	-	46.6	42.7	3.9
12:50 AM - 12:55 AM	46.9	43.9	-	46.9	42.4	4.5
12:55 AM - 01:00 AM	46.9	43.9	-	46.9	42.5	4.4
01:00 AM - 01:05 AM	47.7	44.7	-	47.7	42.4	5.1
01:05 AM - 01:10 AM	46.8	43.8	-	46.8	42.5	4.3
01:10 AM - 01:15 AM	46.0	43.0	-	46.0	42.2	3.8
01:15 AM - 01:20 AM	46.7	43.7	-	46.7	42.4	4.3
01:20 AM - 01:25 AM	46.6	43.6	-	46.6	42.3	4.3
01:25 AM - 01:30 AM	46.2	43.2	-	46.2	42.3	3.9
01:30 AM - 01:35 AM	46.2	43.2	-	46.2	42.2	4.0
01:35 AM - 01:40 AM	46.5	43.5	-	46.5	42.0	4.5
01:40 AM - 01:45 AM	45.9	42.9	-	45.9	42.1	3.8
01:45 AM - 01:50 AM	49.2	46.2	-	49.2	42.2	7.0
01:50 AM - 01:55 AM	52.1	49.1	-	52.1	41.6	10.5
01:55 AM - 02:00 AM	47.1	44.1	-	47.1	41.8	5.3
02:00 AM - 02:05 AM	45.8	42.8	-	45.8	41.5	4.3
02:05 AM - 02:10 AM	45.7	42.7	-	45.7	41.5	4.2
02:10 AM - 02:15 AM	46.3	43.3	-	46.3	41.9	4.4
02:15 AM - 02:20 AM	45.7	42.7	-	45.7	41.5	4.1
02:20 AM - 02:25 AM	46.0	43.0	-	46.0	41.8	4.2
02:25 AM - 02:30 AM	45.5	42.5	-	45.5	41.5	4.0
02:30 AM - 02:35 AM	46.4	43.4	-	46.4	41.3	5.0
02:35 AM - 02:40 AM	47.8	44.8	-	47.8	41.0	5.8
02:40 AM - 02:45 AM	45.9	42.9	-	45.9	41.6	4.3
02:45 AM - 02:50 AM	46.1	43.1	-	46.1	41.7	4.4
02:50 AM - 02:55 AM	46.2	43.2	-	46.2	41.7	4.2
02:55 AM - 03:00 AM	46.5	43.5	-	46.5	41.6	4.9
03:00 AM - 03:05 AM	45.5	42.5	-	45.5	41.3	4.2
03:05 AM - 03:10 AM	47.2	44.2	-	47.2	42.1	5.1
03:10 AM - 03:15 AM	46.2	43.2	-	46.2	41.3	4.3
03:15 AM - 03:20 AM	46.0	43.0	-	46.0	41.7	4.3
03:20 AM - 03:25 AM	45.5	42.5	-	45.5	41.2	4.3
03:25 AM - 03:30 AM	45.5	42.5	-	45.5	41.0	4.5
03:30 AM - 03:35 AM	45.4	42.4	-	45.4	41.2	4.2

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Wibab.

Wilawan Borirak
Manager

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
Location : Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593949-1

Page 3 of 3

Sample No. 2635083-1
Parameter เสียงรบกวน
Location พื้นที่ชายฝั่งด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 22 - 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:35 AM - 03:40 AM	45.5	42.5	-	45.5	41.1	4.4
03:40 AM - 03:45 AM	45.3	42.3	-	45.3	40.9	4.2
03:45 AM - 03:50 AM	46.3	43.3	-	46.3	40.9	5.4
03:50 AM - 03:55 AM	45.3	42.3	-	45.3	40.9	4.4
03:55 AM - 04:00 AM	48.4	45.4	-	48.4	41.2	7.2
04:00 AM - 04:05 AM	45.7	42.7	-	45.7	41.3	4.4
04:05 AM - 04:10 AM	46.4	43.4	-	46.4	41.4	5.0
04:10 AM - 04:15 AM	46.4	43.4	-	46.4	41.3	5.1
04:15 AM - 04:20 AM	51.0	48.0	-	51.0	40.9	10.1
04:20 AM - 04:25 AM	45.7	42.7	-	45.7	41.0	4.7
04:25 AM - 04:30 AM	55.7	52.7	-	55.7	42.0	13.7
04:30 AM - 04:35 AM	48.0	45.0	-	48.0	42.8	5.2
04:35 AM - 04:40 AM	47.0	44.0	-	47.0	38.1	8.9
04:40 AM - 04:45 AM	51.5	48.5	-	51.5	41.0	10.3
04:45 AM - 04:50 AM	51.7	48.7	-	51.7	43.2	8.5
04:50 AM - 04:55 AM	49.9	46.9	-	49.9	42.4	7.5
04:55 AM - 05:00 AM	49.1	46.1	-	49.1	40.3	8.8
05:00 AM - 05:05 AM	48.8	45.8	-	48.8	42.7	6.1
05:05 AM - 05:10 AM	46.9	43.9	-	46.9	42.1	4.8
05:10 AM - 05:15 AM	47.2	44.2	-	47.2	42.7	4.5
05:15 AM - 05:20 AM	48.8	45.8	-	48.8	43.5	5.3
05:20 AM - 05:25 AM	49.3	46.3	-	49.3	42.3	7.0
05:25 AM - 05:30 AM	47.9	44.9	-	47.9	39.8	8.1
05:30 AM - 05:35 AM	49.1	46.1	-	49.1	41.5	7.6
05:35 AM - 05:40 AM	47.7	44.7	-	47.7	39.6	8.1
05:40 AM - 05:45 AM	53.2	50.2	-	53.2	40.6	12.6
05:45 AM - 05:50 AM	47.9	44.9	-	47.9	39.8	8.1
05:50 AM - 05:55 AM	46.2	43.2	-	46.2	40.4	6.0
05:55 AM - 06:00 AM	46.4	43.4	-	46.4	40.4	6.0
06:00 AM - 07:00 AM	48.8	45.8	45.8	-	41.8	4.0
07:00 AM - 08:00 AM	48.3	45.3	45.3	-	40.9	4.4
08:00 AM - 09:00 AM	50.0	47.0	47.0	-	46.6	5.4

ค่ามาตรฐาน

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดระดับค่ามาตรฐานระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 22-23 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-1) ตรวจวัดวันที่ 22-23 พฤษภาคม 2569
- ก.ฏ. ปลอดภัยค่ามาตรฐานระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดอยู่ต่ำกว่าระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analysed/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.

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
Location : Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593950-1

Page 1 of 3

Sample No. 2635083-2
Parameter เสียงรบกวน
Location พื้นที่ชายฝั่งด้านทิศตะวันตกของโครงการ (N1) (GPS 47P 0740549, 142116



Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593951-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-2
Parameter เสียงรบกวน
Location ที่พักอาศัยทางบ้านพิเศษบ้านคลองไทรงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:15 AM - 12:20 AM	44.5	41.5	-	44.5	40.6	3.9
12:20 AM - 12:25 AM	46.2	43.2	-	46.2	41.3	4.9
12:25 AM - 12:30 AM	45.8	42.8	-	45.8	41.1	5.7
12:30 AM - 12:35 AM	44.9	41.9	-	44.9	40.8	4.1
12:35 AM - 12:40 AM	45.1	42.1	-	45.1	40.8	4.3
12:40 AM - 12:45 AM	45.1	42.1	-	45.1	40.8	4.3
12:45 AM - 12:50 AM	44.9	41.9	-	44.9	41.1	3.8
12:50 AM - 12:55 AM	45.8	42.8	-	45.8	41.2	4.6
12:55 AM - 01:00 AM	45.0	42.0	-	45.0	41.1	3.9
01:00 AM - 01:05 AM	46.4	43.4	-	46.4	41.2	5.2
01:05 AM - 01:10 AM	44.6	41.6	-	44.6	40.8	3.8
01:10 AM - 01:15 AM	45.0	42.0	-	45.0	41.3	3.7
01:15 AM - 01:20 AM	47.4	44.4	-	47.4	41.1	6.3
01:20 AM - 01:25 AM	49.7	46.7	-	49.7	40.8	8.9
01:25 AM - 01:30 AM	45.6	42.6	-	45.6	40.3	5.3
01:30 AM - 01:35 AM	45.3	42.3	-	45.3	41.0	4.3
01:35 AM - 01:40 AM	47.0	44.0	-	47.0	40.9	6.1
01:40 AM - 01:45 AM	44.4	41.4	-	44.4	40.0	4.4
01:45 AM - 01:50 AM	45.3	42.3	-	45.3	40.3	5.0
01:50 AM - 01:55 AM	44.7	41.7	-	44.7	40.4	4.3
01:55 AM - 02:00 AM	52.8	49.8	-	52.8	41.2	11.6
02:00 AM - 02:05 AM	51.1	48.1	-	51.1	42.1	9.0
02:05 AM - 02:10 AM	48.7	45.7	-	48.7	41.3	7.4
02:10 AM - 02:15 AM	44.9	41.9	-	44.9	41.0	3.9
02:15 AM - 02:20 AM	50.1	47.1	-	50.1	42.6	4.6
02:20 AM - 02:25 AM	45.1	42.1	-	45.1	40.8	4.3
02:25 AM - 02:30 AM	47.3	44.3	-	47.3	40.7	6.6
02:30 AM - 02:35 AM	45.5	42.5	-	45.5	41.7	4.0
02:35 AM - 02:40 AM	46.3	43.3	-	46.3	41.8	4.5
02:40 AM - 02:45 AM	46.7	43.7	-	46.7	41.7	5.0
02:45 AM - 02:50 AM	45.8	42.8	-	45.8	41.3	4.5
02:50 AM - 02:55 AM	48.8	45.8	-	48.8	40.8	8.0
02:55 AM - 03:00 AM	44.8	41.8	-	44.8	40.5	4.3
03:00 AM - 03:05 AM	46.4	43.4	-	46.4	41.0	5.4
03:05 AM - 03:10 AM	45.4	42.4	-	45.4	40.6	4.8
03:10 AM - 03:15 AM	46.2	43.2	-	46.2	41.3	4.7
03:15 AM - 03:20 AM	47.1	44.1	-	47.1	42.0	5.1
03:20 AM - 03:25 AM	46.3	43.3	-	46.3	41.5	4.8
03:25 AM - 03:30 AM	45.1	42.1	-	45.1	41.2	3.9
03:30 AM - 03:35 AM	45.5	42.5	-	45.5	41.2	4.3

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Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593951-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-2
Parameter เสียงรบกวน
Location ที่พักอาศัยทางบ้านพิเศษบ้านคลองไทรงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:35 AM - 03:40 AM	46.3	43.3	-	46.3	41.9	4.4
03:40 AM - 03:45 AM	46.0	43.0	-	46.0	41.7	4.3
03:45 AM - 03:50 AM	46.1	43.1	-	46.1	41.6	4.5
03:50 AM - 03:55 AM	46.0	43.0	-	46.0	41.5	4.5
03:55 AM - 04:00 AM	45.9	42.9	-	45.9	41.7	4.2
04:00 AM - 04:05 AM	46.8	43.8	-	46.8	42.7	4.1
04:05 AM - 04:10 AM	46.2	43.2	-	46.2	42.3	3.9
04:10 AM - 04:15 AM	47.1	44.1	-	47.1	43.0	4.1
04:15 AM - 04:20 AM	51.4	48.4	-	51.4	42.8	8.6
04:20 AM - 04:25 AM	48.8	45.8	-	48.8	43.2	5.6
04:25 AM - 04:30 AM	53.1	50.1	-	53.1	43.3	9.8
04:30 AM - 04:35 AM	48.4	45.4	-	48.4	43.3	5.1
04:35 AM - 04:40 AM	51.5	48.5	-	51.5	44.8	6.7
04:40 AM - 04:45 AM	51.7	48.7	-	51.7	41.5	10.2
04:45 AM - 04:50 AM	52.9	49.9	-	52.9	42.2	10.7
04:50 AM - 04:55 AM	50.3	47.3	-	50.3	42.3	8.0
04:55 AM - 05:00 AM	50.0	47.0	-	50.0	42.9	7.1
05:00 AM - 05:05 AM	48.6	45.6	-	48.6	42.8	5.8
05:05 AM - 05:10 AM	54.1	51.1	-	54.1	44.1	10.0
05:10 AM - 05:15 AM	48.8	45.8	-	48.8	43.2	5.6
05:15 AM - 05:20 AM	49.8	46.8	-	49.8	42.9	6.9
05:20 AM - 05:25 AM	47.8	44.8	-	47.8	42.7	5.1
05:25 AM - 05:30 AM	49.1	46.1	-	49.1	43.5	5.6
05:30 AM - 05:35 AM	51.3	48.3	-	51.3	43.3	8.0
05:35 AM - 05:40 AM	49.4	46.4	-	49.4	42.8	6.6
05:40 AM - 05:45 AM	55.4	52.4	-	55.4	42.9	12.5
05:45 AM - 05:50 AM	52.9	49.9	-	52.9	43.9	9.0
05:50 AM - 05:55 AM	59.8	56.8	-	59.8	44.2	15.6
05:55 AM - 06:00 AM	63.0	60.0	-	63.0	40.7	23.6
06:00 AM - 07:00 AM	52.7	49.7	49.7	-	43.3	6.4
07:00 AM - 08:00 AM	51.6	48.6	48.6	-	41.8	6.8
08:00 AM - 09:00 AM	49.3	46.3	46.3	-	39.9	6.4

ค่าเฉลี่ยรวม

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณค่าระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียงขณะไม่มีการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ

ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด หากการตรวจวัด วันที่ 23-24 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-2 วันที่ตรวจวัด 23-24 พฤษภาคม 2569)
- ทุกๆ 1 นาที ค่าเฉลี่ยของระดับเสียงขณะมีการรบกวนได้ เนื่องจากข้อนี้เสียงจากแหล่งกำเนิดมีการเปลี่ยนแปลงตลอดเวลา

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Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593951-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-3
Parameter เสียงรบกวน
Location ที่พักอาศัยทางบ้านพิเศษบ้านคลองไทรงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 24 - 25, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
09:00 AM - 10:00 AM	51.1	48.1	48.1	-	41.9	6.2
10:00 AM - 11:00 AM	50.1	47.1	47.1	-	42.3	4.8
11:00 AM - 12:00 PM	47.0	44.0	44.0	-	39.1	4.9
12:00 PM - 01:00 PM	45.5	42.5	42.5	-	38.4	4.1
01:00 PM - 02:00 PM	46.5	43.5	43.5	-	41.6	4.8
02:00 PM - 03:00 PM	48.0	45.0	45.0	-	40.8	6.2
03:00 PM - 04:00 PM	48.2	45.2	45.2	-	39.8	5.4
04:00 PM - 05:00 PM	49.4	46.4	46.4	-	40.1	6.3
05:00 PM - 06:00 PM	52.5	49.5	49.5	-	39.6	9.9
06:00 PM - 07:00 PM	49.0	46.0	46.0	-	40.1	5.9
07:00 PM - 08:00 PM	43.9	40.9	40.9	-	38.4	2.5
08:00 PM - 09:00 PM	43.5	40.5	40.5	-	37.9	2.6
09:00 PM - 10:00 PM	43.4	40.4	40.4	-	38.8	1.6
10:00 PM - 10:05 PM	44.8	41.8	41.8	-	41.0	3.8
10:05 PM - 10:10 PM	45.2	42.2	42.2	-	41.2	4.0
10:10 PM - 10:15 PM	45.9	42.9	42.9	-	41.8	4.1
10:15 PM - 10:20 PM	45.2	42.2	42.2	-	41.5	3.7
10:20 PM - 10:25 PM	45.7	42.7	42.7	-	41.4	4.3
10:25 PM - 10:30 PM	46.0	43.0	43.0	-	41.3	4.7
10:30 PM - 10:35 PM	45.8	42.8	42.8	-	41.4	4.4
10:35 PM - 10:40 PM	45.9	42.9	42.9	-	41.8	4.1
10:40 PM - 10:45 PM	45.4	42.4	42.4	-	41.6	3.6
10:45 PM - 10:50 PM	46.2	43.2	43.2	-	41.6	4.6
10:50 PM - 10:55 PM	44.7	41.7	41.7	-	41.1	3.6
10:55 PM - 11:00 PM	45.3	42.3	42.3	-	41.3	4.0
11:00 PM - 11:05 PM	45.5	42.5	42.5	-	41.7	3.8
11:05 PM - 11:10 PM	45.0	42.0	42.0	-	41.3	3.7
11:10 PM - 11:15 PM	44.8	41.8	41.8	-	41.0	3.8
11:15 PM - 11:20 PM	44.9	41.9	41.9	-	40.9	4.0
11:20 PM - 11:25 PM	47.2	44.2	44.2	-	40.8	6.4
11:25 PM - 11:30 PM	44.9	41.9	41.9	-	40.9	4.0
11:30 PM - 11:35 PM	44.8	41.8	41.8	-	41.0	3.8
11:35 PM - 11:40 PM	44.9	41.9	41.9	-	40.7	4.2
11:40 PM - 11:45 PM	44.5	41.5	41.5	-	40.5	3.8
11:45 PM - 11:50 PM	48.0	45.0	45.0	-	40.9	7.1
11:50 PM - 11:55 PM	44.7	41.7	41.7	-	40.6	4.1
11:55 PM - 12:00 AM	44.8	41.8	41.8	-	40.8	4.0
12:00 AM - 12:05 AM	44.3	41.3	41.3	-	40.3	4.0
12:05 AM - 12:10 AM	44.8	41.8	41.8	-	40.4	4.4
12:10 AM - 12:15 AM	44.4	41.4	41.4	-	40.5	3.9

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Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial



Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593952-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-3
Parameter เสียงรบกวน
Location พื้นที่พัฒนาบ้านพักและนิคมคลองโรงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 24 - 25, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
03:35 AM - 03:40 AM	45.8	42.8	-	45.8	41.4	4.4
03:40 AM - 03:45 AM	46.7	43.8	-	46.7	41.3	5.4
03:45 AM - 03:50 AM	46.8	43.8	-	46.8	42.1	4.7
03:50 AM - 03:55 AM	46.2	43.2	-	46.2	41.6	4.6
03:55 AM - 04:00 AM	46.1	43.1	-	46.1	41.7	4.4
04:00 AM - 04:05 AM	46.0	43.0	-	46.0	41.6	4.4
04:05 AM - 04:10 AM	46.8	43.8	-	46.8	42.1	4.7
04:10 AM - 04:15 AM	47.3	44.3	-	47.3	42.2	5.1
04:15 AM - 04:20 AM	47.9	44.9	-	47.9	43.3	4.6
04:20 AM - 04:25 AM	50.5	47.5	-	50.5	44.1	6.4
04:25 AM - 04:30 AM	49.2	46.2	-	49.2	44.8	4.4
04:30 AM - 04:35 AM	51.7	48.7	-	51.7	45.3	6.4
04:35 AM - 04:40 AM	51.7	48.7	-	51.7	46.8	4.9
04:40 AM - 04:45 AM	51.1	48.1	-	51.1	46.7	4.4
04:45 AM - 04:50 AM	48.7	45.7	-	48.7	43.2	5.5
04:50 AM - 04:55 AM	52.0	49.0	-	52.0	42.6	9.4
04:55 AM - 05:00 AM	48.3	45.3	-	48.3	43.4	4.9
05:00 AM - 05:05 AM	48.9	45.9	-	48.9	43.4	5.5
05:05 AM - 05:10 AM	49.2	46.2	-	49.2	43.5	5.7
05:10 AM - 05:15 AM	49.0	46.0	-	49.0	44.3	4.7
05:15 AM - 05:20 AM	47.8	44.8	-	47.8	43.3	4.5
05:20 AM - 05:25 AM	49.9	46.9	-	49.9	43.1	6.8
05:25 AM - 05:30 AM	52.1	49.1	-	52.1	43.0	9.1
05:30 AM - 05:35 AM	56.7	53.7	-	56.7	44.6	12.1
05:35 AM - 05:40 AM	50.6	47.6	-	50.6	45.9	5.0
05:40 AM - 05:45 AM	50.7	47.7	-	50.7	45.1	5.6
05:45 AM - 05:50 AM	51.2	48.2	-	51.2	46.4	4.8
05:50 AM - 05:55 AM	50.7	47.7	-	50.7	46.0	4.7
05:55 AM - 06:00 AM	51.9	48.9	-	51.9	45.8	5.8
06:00 AM - 07:00 AM	52.4	49.4	49.4	-	45.5	3.9
07:00 AM - 08:00 AM	47.5	44.5	44.5	-	40.9	3.6
08:00 AM - 09:00 AM	54.7	51.7	51.7	-	49.5	2.2
ค่ามาตรฐาน						
≤ 10						

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565
- มาตรฐานประกาศกรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

หมายเหตุ :

ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

1. ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 24-25 พฤษภาคม 2569

2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-3) มีการตรวจวัด วันที่ 24-25 พฤษภาคม 2569

3. หมายเหตุ : ไม่มีการคำนวณค่าระดับเสียงขณะมีการรบกวน เนื่องจากระดับเสียงจากแหล่งกำเนิดมีการรบกวนระดับเสียงขณะไม่มีการรบกวน

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593952-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-4
Parameter เสียงรบกวน
Location พื้นที่พัฒนาบ้านพักและนิคมคลองโรงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
09:00 AM - 10:00 AM	50.0	47.8	46.0	-	45.3	0.7
10:00 AM - 11:00 AM	54.5	52.5	50.2	-	48.1	2.1
11:00 AM - 12:00 PM	46.2	44.2	41.9	-	39.0	2.9
12:00 PM - 01:00 PM	45.8	43.8	41.5	-	38.1	3.4
01:00 PM - 02:00 PM	46.9	44.9	42.6	-	40.7	1.9
02:00 PM - 03:00 PM	46.8	44.8	42.5	-	38.7	3.8
03:00 PM - 04:00 PM	46.0	44.0	41.7	-	39.3	2.4
04:00 PM - 05:00 PM	50.0	48.0	45.7	-	41.0	4.7
05:00 PM - 06:00 PM	48.6	46.6	44.3	-	41.1	3.2
06:00 PM - 07:00 PM	46.9	44.9	42.6	-	42.0	0.6
07:00 PM - 08:00 PM	46.0	44.0	41.7	-	40.6	1.1
08:00 PM - 09:00 PM	45.9	43.9	41.6	-	40.2	1.4
09:00 PM - 10:00 PM	52.5	50.5	48.2	-	43.2	5.0
10:00 PM - 10:05 PM	57.7	55.7	-	56.4	43.7	13.1
10:05 PM - 10:10 PM	46.6	44.6	-	45.3	43.3	2.0
10:10 PM - 10:15 PM	47.2	45.2	-	45.9	44.0	1.9
10:15 PM - 10:20 PM	49.6	47.6	-	48.3	44.3	4.0
10:20 PM - 10:25 PM	47.8	45.8	-	46.5	44.8	1.7
10:25 PM - 10:30 PM	48.0	46.0	-	46.7	45.3	1.4
10:30 PM - 10:35 PM	48.3	46.3	-	47.0	44.8	2.2
10:35 PM - 10:40 PM	48.0	46.0	-	46.7	45.2	1.5
10:40 PM - 10:45 PM	48.0	46.0	-	46.7	45.1	1.6
10:45 PM - 10:50 PM	47.8	45.8	-	46.5	44.9	1.6
10:50 PM - 10:55 PM	48.8	46.8	-	47.5	45.8	1.7
10:55 PM - 11:00 PM	48.1	46.1	-	46.8	45.0	1.8
11:00 PM - 11:05 PM	47.5	45.5	-	46.2	44.9	1.3
11:05 PM - 11:10 PM	47.6	45.6	-	46.3	44.9	1.4
11:10 PM - 11:15 PM	47.2	45.2	-	45.9	44.2	1.7
11:15 PM - 11:20 PM	46.9	44.9	-	45.6	44.1	1.5
11:20 PM - 11:25 PM	49.5	47.5	-	48.2	44.4	3.8
11:25 PM - 11:30 PM	48.0	46.0	-	46.7	44.9	1.8
11:30 PM - 11:35 PM	47.5	45.5	-	46.2	44.5	1.6
11:35 PM - 11:40 PM	47.5	45.5	-	46.2	44.2	2.0
11:40 PM - 11:45 PM	48.2	46.2	-	46.9	44.8	2.1
11:45 PM - 11:50 PM	48.6	46.6	-	47.3	45.8	1.5
11:50 PM - 11:55 PM	49.2	47.2	-	47.9	46.4	1.5
11:55 PM - 12:00 AM	47.4	45.4	-	46.1	44.3	1.8
12:00 AM - 12:05 AM	47.0	45.0	-	45.7	44.1	1.6
12:05 AM - 12:10 AM	46.4	44.4	-	45.1	44.7	2.4
12:10 AM - 12:15 AM	46.4	44.4	-	45.1	43.8	1.3

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593952-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-4
Parameter เสียงรบกวน
Location พื้นที่พัฒนาบ้านพักและนิคมคลองโรงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
12:15 AM - 12:20 AM	48.1	46.1	-	46.8	44.8	2.0
12:20 AM - 12:25 AM	47.4	45.4	-	46.1	44.4	1.7
12:25 AM - 12:30 AM	46.0	44.0	-	44.7	43.3	1.4
12:30 AM - 12:35 AM	46.1	44.1	-	44.8	43.1	1.7
12:35 AM - 12:40 AM	45.5	43.5	-	44.2	42.6	1.6
12:40 AM - 12:45 AM	46.8	44.8	-	45.5	42.8	2.7
12:45 AM - 12:50 AM	46.5	44.5	-	45.2	42.8	2.4
12:50 AM - 12:55 AM	45.3	43.3	-	44.0	42.5	1.5
12:55 AM - 01:00 AM	45.6	43.6	-	44.3	42.6	1.7
01:00 AM - 01:05 AM	46.0	44.0	-	44.7	43.2	1.5
01:05 AM - 01:10 AM	45.6	43.6	-	44.3	43.0	1.3
01:10 AM - 01:15 AM	46.4	44.4	-	45.1	43.2	1.9
01:15 AM - 01:20 AM	46.1	44.1	-	44.8	43.3	1.5
01:20 AM - 01:25 AM	46.0	44.0	-	44.7	43.0	1.7
01:25 AM - 01:30 AM	46.2	44.2	-	44.9	43.3	1.6
01:30 AM - 01:35 AM	46.8	44.8	-	45.5	43.5	2.0
01:35 AM - 01:40 AM	46.2	44.2	-	44.9	42.9	2.0
01:40 AM - 01:45 AM	45.7	43.7	-	44.4	42.7	1.7
01:45 AM - 01:50 AM	45.8	43.8	-	44.5	42.9	1.6
01:50 AM - 01:55 AM	45.9	43.9	-	44.6	43.0	1.6
01:55 AM - 02:00 AM	46.3	44.3	-	45.0	43.4	2.0
02:00 AM - 02:05 AM	46.0	44.0	-	44.7	42.9	1.8
02:05 AM - 02:10 AM	46.5	44.5	-	45.2	43.5	1.7
02:10 AM - 02:15 AM	46.2	44.2	-	44.9	43.3	1.6
02:15 AM - 02:20 AM	46.9	44.9	-	45.6	43.4	2.2
02:20 AM - 02:25 AM	46.4	44.4	-	45.1	43.6	1.5
02:25 AM - 02:30 AM	47.0	45.0	-	45.7	43.8	1.9
02:30 AM - 02:35 AM	47.2	45.2	-	45.9	44.1	1.8
02:35 AM - 02:40 AM	47.1	45.1	-	45.8	44.1	1.7
02:40 AM - 02:45 AM	46.7	44.7	-	45.4	43.9	1.5
02:45 AM - 02:50 AM	47.1	45.1	-	45.8	44.0	1.8
02:50 AM - 02:55 AM	45.8	43.8	-	44.5	42.9	1.6
02:55 AM - 03:00 AM	46.1	44.1	-	44.8	43.3	1.6
03:00 AM - 03:05 AM	46.6	44.6	-	45.3	43.4	1.5
03:05 AM - 03:10 AM	46.0	44.0	-	44.7	43.0	1.6
03:10 AM - 03:15 AM	46.1	44.1	-	44.8	43.3	1.5
03:15 AM - 03:20 AM	47.1	45.1	-	45.8	44.1	1.7
03:20 AM - 03:25 AM	47.5	45.5	-	46.2	44.0	2.2
03:25 AM - 03:30 AM	46.8	44.8	-	45.5	43.8	1.7
03:30 AM - 03:35 AM	46.7	44.7	-	45.4	43.7	1.7

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593953-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-5
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางด้านการเกษตรของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 26 - 27, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีการทำงาน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
09:00 AM - 10:00 AM	46.6	43.8	43.4	-	38.9	4.5
10:00 AM - 11:00 AM	47.7	43.0	43.9	-	39.9	6.9
11:00 AM - 12:00 PM	46.7	42.9	44.4	-	38.2	6.2
12:00 PM - 01:00 PM	45.8	43.1	42.5	-	39.3	3.2
01:00 PM - 02:00 PM	46.9	43.5	44.2	-	39.7	4.5
02:00 PM - 03:00 PM	47.5	44.2	44.8	-	40.1	4.7
03:00 PM - 04:00 PM	46.0	43.6	43.3	-	40.0	2.3
04:00 PM - 05:00 PM	48.2	46.5	43.3	-	39.9	3.4
05:00 PM - 06:00 PM	47.3	49.4	n/a	-	41.7	-
06:00 PM - 07:00 PM	46.9	47.8	n/a	-	43.7	-
07:00 PM - 08:00 PM	46.1	48.2	n/a	-	46.2	-
08:00 PM - 09:00 PM	46.3	49.2	n/a	-	43.8	-
09:00 PM - 10:00 PM	47.5	48.4	n/a	-	44.0	-
10:00 PM - 10:05 PM	46.6	46.9	n/a	-	45.2	-
10:05 PM - 10:10 PM	45.6	46.9	n/a	-	45.1	-
10:10 PM - 10:15 PM	45.6	47.2	n/a	-	44.8	-
10:15 PM - 10:20 PM	45.6	47.3	n/a	-	44.1	-
10:20 PM - 10:25 PM	45.6	46.7	n/a	-	43.0	-
10:25 PM - 10:30 PM	45.7	45.1	-	39.8	43.3	-3.5
10:30 PM - 10:35 PM	59.1	45.5	-	61.9	42.6	19.3
10:35 PM - 10:40 PM	46.9	46.4	-	40.3	43.3	-3.0
10:40 PM - 10:45 PM	46.0	47.5	-	n/a	44.2	-
10:45 PM - 10:50 PM	45.4	47.4	-	n/a	44.1	-
10:50 PM - 10:55 PM	45.4	47.9	-	n/a	43.6	-
10:55 PM - 11:00 PM	45.5	46.9	-	n/a	43.8	-
11:00 PM - 11:05 PM	45.4	46.9	-	n/a	44.5	-
11:05 PM - 11:10 PM	45.8	47.3	-	n/a	43.9	-
11:10 PM - 11:15 PM	45.2	48.8	-	n/a	44.6	-
11:15 PM - 11:20 PM	46.6	48.5	-	n/a	44.8	-
11:20 PM - 11:25 PM	45.5	49.8	-	n/a	45.0	-
11:25 PM - 11:30 PM	44.9	48.5	-	n/a	44.4	-
11:30 PM - 11:35 PM	45.1	48.0	-	n/a	45.2	-
11:35 PM - 11:40 PM	45.4	47.8	-	n/a	43.9	-
11:40 PM - 11:45 PM	45.5	48.6	-	n/a	43.3	-
11:45 PM - 11:50 PM	45.4	46.7	-	n/a	41.4	-
11:50 PM - 11:55 PM	45.5	46.1	-	n/a	42.7	-
11:55 PM - 12:00 AM	45.5	45.8	-	n/a	43.3	-
12:00 AM - 12:05 AM	45.6	46.6	-	n/a	43.4	-
12:05 AM - 12:10 AM	44.8	46.8	-	n/a	44.0	-
12:10 AM - 12:15 AM	45.5	47.4	-	n/a	44.7	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593953-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-5
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางด้านการเกษตรของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 26 - 27, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีการทำงาน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:15 AM - 12:20 AM	45.7	47.1	-	n/a	44.1	-
12:20 AM - 12:25 AM	45.8	46.5	-	n/a	43.8	-
12:25 AM - 12:30 AM	45.8	46.0	-	n/a	43.8	-
12:30 AM - 12:35 AM	45.2	45.7	-	n/a	43.4	-
12:35 AM - 12:40 AM	46.4	46.3	-	33.0	43.4	-10.4
12:40 AM - 12:45 AM	45.3	45.4	-	n/a	42.8	-
12:45 AM - 12:50 AM	45.7	46.1	-	n/a	43.7	-
12:50 AM - 12:55 AM	45.0	47.0	-	n/a	44.5	-
12:55 AM - 01:00 AM	45.9	46.7	-	n/a	44.2	-
01:00 AM - 01:05 AM	45.8	45.2	-	39.9	42.9	-2.8
01:05 AM - 01:10 AM	46.4	44.0	-	45.7	41.7	4.0
01:10 AM - 01:15 AM	46.4	44.9	-	44.1	42.5	1.6
01:15 AM - 01:20 AM	45.9	45.0	-	41.6	42.1	-6.5
01:20 AM - 01:25 AM	45.5	44.5	-	41.6	42.4	-0.8
01:25 AM - 01:30 AM	45.7	42.5	-	45.9	40.1	5.8
01:30 AM - 01:35 AM	46.5	43.7	-	46.3	40.9	5.4
01:35 AM - 01:40 AM	46.3	45.2	-	42.8	41.9	0.9
01:40 AM - 01:45 AM	46.1	44.6	-	43.8	41.0	2.8
01:45 AM - 01:50 AM	45.9	43.8	-	44.7	40.7	4.0
01:50 AM - 01:55 AM	45.7	45.6	-	32.3	43.3	-11.0
01:55 AM - 02:00 AM	46.1	45.7	-	39.5	43.3	-4.8
02:00 AM - 02:05 AM	45.8	46.0	-	n/a	43.3	-
02:05 AM - 02:10 AM	46.3	45.1	-	43.1	43.0	0.1
02:10 AM - 02:15 AM	45.8	44.9	-	41.5	42.4	-0.9
02:15 AM - 02:20 AM	45.7	47.0	-	40.4	42.1	-1.7
02:20 AM - 02:25 AM	45.6	45.0	-	39.7	42.3	-2.6
02:25 AM - 02:30 AM	45.5	46.1	-	n/a	42.8	-
02:30 AM - 02:35 AM	45.3	46.3	-	n/a	43.3	-
02:35 AM - 02:40 AM	45.1	49.3	-	n/a	41.4	-
02:40 AM - 02:45 AM	45.0	47.0	-	n/a	40.9	-
02:45 AM - 02:50 AM	45.4	46.5	-	n/a	39.9	-
02:50 AM - 02:55 AM	45.2	43.3	-	43.7	39.3	4.4
02:55 AM - 03:00 AM	45.4	41.1	-	44.4	38.2	8.2
03:00 AM - 03:05 AM	45.5	40.9	-	46.7	38.0	8.7
03:05 AM - 03:10 AM	46.1	42.7	-	46.4	38.4	8.0
03:10 AM - 03:15 AM	46.3	44.8	-	40.0	39.9	4.1
03:15 AM - 03:20 AM	46.4	44.5	-	44.9	39.2	5.7
03:20 AM - 03:25 AM	46.9	44.5	-	46.2	38.7	7.5
03:25 AM - 03:30 AM	47.7	43.8	-	48.4	39.6	8.8
03:30 AM - 03:35 AM	46.8	44.0	-	46.6	39.0	7.6

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593953-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-5
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางด้านการเกษตรของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 26 - 27, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีการทำงาน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:35 AM - 03:40 AM	46.2	43.4	-	46.0	38.6	7.4
03:40 AM - 03:45 AM	45.3	44.3	-	41.4	38.5	2.9
03:45 AM - 03:50 AM	45.8	45.0	-	41.1	40.3	0.8
03:50 AM - 03:55 AM	46.1	42.2	-	46.8	38.8	8.0
03:55 AM - 04:00 AM	46.4	42.4	-	47.2	38.7	8.5
04:00 AM - 04:05 AM	46.1	42.5	-	46.6	39.0	7.6
04:05 AM - 04:10 AM	47.4	42.0	-	48.9	38.3	10.6
04:10 AM - 04:15 AM	46.1	42.5	-	46.6	39.2	7.4
04:15 AM - 04:20 AM	48.0	43.1	-	49.3	40.0	9.3
04:20 AM - 04:25 AM	54.1	43.1	-	56.7	40.1	18.6
04:25 AM - 04:30 AM	52.1	42.3	-	54.6	39.0	15.6
04:30 AM - 04:35 AM	51.4	42.2	-	53.8	38.5	15.3
04:35 AM - 04:40 AM	59.6	42.0	-	62.5	38.6	23.9
04:40 AM - 04:45 AM	51.3	43.3	-	51.3	37.8	15.8
04:45 AM - 04:50 AM	51.3	43.9	-	53.4	38.5	14.9
04:50 AM - 04:55 AM	50.0	43.0	-	52.0	38.0	14.0
04:55 AM - 05:00 AM	51.1	40.3	-	53.7	38.1	15.6
05:00 AM - 05:05 AM	52.9	44.3	-	55.3	39.3	16.0
05:05 AM - 05:10 AM	51.4	43.6	-	53.6	38.9	14.7
05:10 AM - 05:15 AM	48.0	45.8	-	47.0	39.9	7.1
05:15 AM - 05:20 AM	47.8	47.1	-	42.5	41.8	0.7
05:20 AM - 05:25 AM	49.1	49.8	-	n/a	42.9	-
05:25 AM - 05:30 AM	50.9	50.3	-	45.0	44.2	0.8
05:30 AM - 05:35 AM	49.7	62.3	-	n/a	42.7	-
05:35 AM - 05:40 AM	50.9	56.5	-	n/a	46.5	-
05:40 AM - 05:45 AM	48.8	46.0	-	46.6	39.7	8.9
05:45 AM - 05:50 AM	58.2	50.0	-	60.5	40.2	20.3
05:50 AM - 05:55 AM	50.8	54.2	-	n/a	41.4	-
05:55 AM - 06:00 AM	52.8	55.4	-	n/a	41.9	-
06:00 AM - 07:00 AM	49.7	53.5	n/a	-	42.4	-
07:00 AM - 08:00 AM	50.8	48.9	48.5	-	41.6	6.9
08:00 AM - 09:00 AM	51.4	48.7	48.1	-	43.9	4.2

ค่ามาตรฐาน

Reference Method :

1. ISO 1996-1

2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะมีกิจกรรม การตรวจวัดค่าระดับเสียงขณะมีกิจกรรม

การกำหนดระดับการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

3. กฎ/นโยบายระดับการรบกวนเสียงขณะมีกิจกรรม/ค่าได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดเสียงขณะมีกิจกรรม

Remark: ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

1. ระดับเสียงรบกวนค่าได้ จากการตรวจวัด วันที่ 26-27 พฤษภาคม 2569

2. ระดับเสียงรบกวนค่าได้จากการตรวจวัดเสียงรบกวน (Sample No.2635084-5) วันที่ตรวจวัด 26-27 พฤษภาคม 2569

3. กฎ/นโยบายระดับการรบกวนเสียงขณะมีกิจกรรม/ค่าได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดเสียงขณะมีกิจกรรม

The above results are valid only for the analysed/checked 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. A.S. Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Wibawan Borik
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21210

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593953-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-5
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางด้านการเกษตรของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 27 - 28, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

ค่าระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีการทำงาน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
09:00 AM - 10:00 AM	53.0	44.7	52.3	-	40.6	11.7
10:00 AM - 11:00 AM	57.0	47.2	56.5	-	43.8	12.7
11:00 AM - 12:00 PM	53.5	50.7	53.7	-	47.3	6.6
12:00 PM - 01:00 PM	55.0	49.7	53.2	-	46.0	7.5
01:00 PM - 02:00 PM	55.2	50.9	53.2	-	46.4	6.8
02:00 PM - 03:00 PM	54.7	50.4	52.7	-	46.6	6.1
03:00 PM - 04:00 PM	53.0	49.4	52.0	-	45.6	5.4
04:00 PM - 05:00 PM	53.9	49.3	52.1	-	45.2	6.9
05:00 PM - 06:00 PM	53.4	50.4	-	-	45.0	5.4
06:00 PM - 07:00 PM	47.6	46.4	41.4	-	43.1	-1.7
07:00 PM - 08:00 PM	46.9	47.0	n/a	-	47.0	-
08:00 PM - 09:00 PM	46.2	48.3	n/a	-	45.1	-
09:00 PM - 10:00 PM	46.5	46.7	n/a	-	43.8	-
10:00 PM - 10:05 PM	46.2	47.8	n/a	-	44.0	-
10:05 PM - 10:10 PM	45.6	45.4	-	35.1	43.1	-8.0
10:10 PM - 10:15 PM	45.7	44.9	-	41.0	43.0	-2.0
10:15 PM - 10:20 PM	45.2	44.5	-	39.9	42.6	-2.7
10:20 PM - 10:25 PM	45.9	44.8	-	42.4	43.6	-3.6
10:25 PM - 10:30 PM	44.8	44.1	-	38.2	42.9	-4.7
10:30 PM - 10:35 PM	45.0	46.2	-	n/a	43.6	-
10:35 PM - 10:40 PM	45.1	46.0	-	n/a	44.0	-
10:40 PM - 10:45 PM	45.5	45.5	-	n/a	43.3	-
10:45 PM - 10:50 PM	48.6	45.2	-	48.9	42.8	6.1
10:50 PM - 10:55 PM	46.0	45.1	-	41.7	42.5	-0.8
10:55 PM - 11:00 PM	45.5	45.3	35.0	-	43.1	-8.1
11:00 PM - 11:05 PM	45.6	44.6	-	41.7	42.7	-1.0
11:05 PM - 11:10 PM	46.2	45.1	-	42.7	42.9	-0.2
11:10 PM - 11:15 PM	45.7	43.8	-	44.2	41.9	2.3
11:15 PM - 11:20 PM	55.6	43.1	45.0	-	42.6	2.0
11:20 PM - 11:25 PM	45.9	42.9	-	45.9	41.7	4.2
11:25 PM - 11:30 PM	45.5	44.6	-	41.2	42.5	-1.3
11:30 PM - 11:35 PM	46.5	44.9	39.6	-	43.7	-3.5
11:35 PM - 11:40 PM	46.2	44.3	-	44.7	42.8	1.9
11:40 PM - 11:45 PM	46.2	45.2	-	42.3	43.1	-0.8
11:45 PM - 11:50 PM	46.9	45.4	-	44.6	43.2	1.4
11:50 PM - 11:55 PM	46.7	45.5	43.7	-	42.8	1.7
11:55 PM - 12:00 AM	46.3	45.7	-	40.4	43.2	-2.8
12:00 AM - 12:05 AM	50.0	43.9	-	51.8	42.4	9.4
12:05 AM - 12:10 AM	46.2	43.9	-	45.3	42.4	2.9
12:10 AM - 12:15 AM	46.6	44.1	47.7	46.0	43.3	1.7



Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received: Jun 04, 2026
Date Reported: Jun 12, 2026
Report Number: 3593954-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-6
Parameter เสียงรบกวน
Location ที่ศึกษาเสียงจากพื้นที่ระดมของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 27 - 28, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:15 AM - 12:20 AM	45.4	44.4	-	41.5	42.7	-1.2
12:20 AM - 12:25 AM	45.1	43.4	-	43.2	41.9	1.3
12:25 AM - 12:30 AM	45.4	43.8	-	43.3	42.3	1.0
12:30 AM - 12:35 AM	45.6	43.9	-	43.7	42.1	1.6
12:35 AM - 12:40 AM	47.1	43.7	-	47.4	41.8	5.6
12:40 AM - 12:45 AM	45.3	42.9	-	42.7	41.6	1.1
12:45 AM - 12:50 AM	47.8	45.6	-	46.8	43.4	3.4
12:50 AM - 12:55 AM	47.0	45.7	-	44.1	43.6	0.5
12:55 AM - 01:00 AM	46.2	47.3	-	n/a	43.2	-
01:00 AM - 01:05 AM	46.3	44.5	-	44.6	42.5	1.8
01:05 AM - 01:10 AM	46.1	45.2	-	41.8	43.3	-1.5
01:10 AM - 01:15 AM	46.3	44.9	-	43.7	42.6	1.1
01:15 AM - 01:20 AM	46.1	45.3	-	41.4	42.5	-1.1
01:20 AM - 01:25 AM	46.0	45.3	-	40.7	42.7	-2.0
01:25 AM - 01:30 AM	46.1	44.5	-	44.0	41.8	2.2
01:30 AM - 01:35 AM	46.4	44.7	-	44.5	42.6	1.9
01:35 AM - 01:40 AM	46.4	44.8	-	44.3	42.3	2.0
01:40 AM - 01:45 AM	45.4	45.3	-	32.0	41.9	-9.9
01:45 AM - 01:50 AM	45.8	46.6	-	n/a	41.9	-
01:50 AM - 01:55 AM	45.9	46.8	-	n/a	42.5	-
01:55 AM - 02:00 AM	45.9	46.7	-	n/a	43.0	-
02:00 AM - 02:05 AM	46.4	45.7	-	41.1	42.7	-1.6
02:05 AM - 02:10 AM	46.5	46.4	-	33.1	43.1	-10.0
02:10 AM - 02:15 AM	46.6	45.6	-	42.7	42.0	0.7
02:15 AM - 02:20 AM	46.5	45.9	-	48.5	46.4	6.5
02:20 AM - 02:25 AM	46.5	45.3	-	43.3	41.5	1.8
02:25 AM - 02:30 AM	46.1	44.2	-	44.6	41.5	3.1
02:30 AM - 02:35 AM	46.4	42.8	-	46.8	41.9	5.6
02:35 AM - 02:40 AM	46.3	42.3	-	47.1	40.2	6.9
02:40 AM - 02:45 AM	46.1	44.6	-	43.8	40.5	3.3
02:45 AM - 02:50 AM	45.9	43.6	-	45.0	40.8	4.2
02:50 AM - 02:55 AM	46.2	42.4	-	46.9	39.4	7.5
02:55 AM - 03:00 AM	46.0	44.0	-	44.7	39.3	5.4
03:00 AM - 03:05 AM	45.8	44.0	-	44.1	39.9	4.2
03:05 AM - 03:10 AM	45.4	43.9	-	43.1	40.0	3.1
03:10 AM - 03:15 AM	46.2	43.0	-	46.8	39.5	7.3
03:15 AM - 03:20 AM	46.6	41.5	-	48.0	38.5	9.5
03:20 AM - 03:25 AM	45.9	41.2	-	47.1	37.4	9.7
03:25 AM - 03:30 AM	45.9	40.3	-	47.5	37.9	9.6
03:30 AM - 03:35 AM	45.7	40.8	-	47.0	38.3	8.7

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Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received: Jun 04, 2026
Date Reported: Jun 12, 2026
Report Number: 3593954-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-6
Parameter เสียงรบกวน
Location ที่ศึกษาเสียงจากพื้นที่ระดมของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 27 - 28, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:35 AM - 03:40 AM	45.5	40.5	-	46.8	38.3	8.5
03:40 AM - 03:45 AM	45.2	40.7	-	46.3	38.0	8.3
03:45 AM - 03:50 AM	45.6	40.1	-	47.2	38.1	9.1
03:50 AM - 03:55 AM	46.2	39.7	-	48.1	37.5	10.6
03:55 AM - 04:00 AM	46.7	40.6	-	48.5	37.9	10.6
04:00 AM - 04:05 AM	47.4	40.4	-	49.4	37.9	11.5
04:05 AM - 04:10 AM	45.4	40.1	-	46.9	37.2	9.7
04:10 AM - 04:15 AM	46.5	42.6	-	47.6	38.4	9.2
04:15 AM - 04:20 AM	49.9	43.4	-	51.8	39.3	12.5
04:20 AM - 04:25 AM	50.7	43.9	-	52.7	39.7	13.0
04:25 AM - 04:30 AM	47.8	42.6	-	49.2	38.4	10.8
04:30 AM - 04:35 AM	49.6	43.6	-	51.3	39.1	12.2
04:35 AM - 04:40 AM	50.2	43.3	-	52.2	38.2	14.0
04:40 AM - 04:45 AM	53.6	44.2	-	56.1	39.3	16.8
04:45 AM - 04:50 AM	51.4	43.9	-	53.5	39.0	14.5
04:50 AM - 04:55 AM	49.2	43.9	-	50.7	39.6	11.1
04:55 AM - 05:00 AM	49.1	44.3	-	50.4	39.0	11.4
05:00 AM - 05:05 AM	48.0	44.1	-	48.7	38.3	10.4
05:05 AM - 05:10 AM	48.4	45.6	-	48.2	39.1	9.1
05:10 AM - 05:15 AM	49.2	47.5	-	47.3	39.5	7.8
05:15 AM - 05:20 AM	53.1	47.4	-	54.7	41.0	13.7
05:20 AM - 05:25 AM	50.7	44.9	-	52.4	40.7	11.7
05:25 AM - 05:30 AM	51.9	48.1	-	52.6	43.6	9.0
05:30 AM - 05:35 AM	52.0	47.1	-	53.3	42.4	10.9
05:35 AM - 05:40 AM	50.3	50.1	-	50.8	42.4	2.6
05:40 AM - 05:45 AM	56.1	49.9	-	57.9	43.3	24.6
05:45 AM - 05:50 AM	52.3	45.9	-	54.2	42.9	11.3
05:50 AM - 05:55 AM	49.7	46.0	-	50.3	42.8	7.5
05:55 AM - 06:00 AM	45.3	45.3	-	54.2	44.2	10.9
06:00 AM - 07:00 AM	54.3	49.8	52.4	-	43.5	8.9
07:00 AM - 08:00 AM	55.2	49.6	53.8	-	45.6	8.2
08:00 AM - 09:00 AM	54.2	50.3	51.9	-	46.1	5.8

ค่ามาตรฐาน

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณระดับเสียงขณะมีการรบกวน การคำนวณระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ

ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด หากการตรวจวัด วันที่ 27-28 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-6 วันที่ตรวจวัด 27-28 พฤษภาคม 2569)
- ทุกค่าที่ได้มาจากการคำนวณระดับเสียงรบกวนจากค่าที่ได้ เนื่องจากค่าระดับเสียงจากแหล่งกำเนิดมีการเปลี่ยนแปลงตามสภาพแวดล้อม

Approved by

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Wibwan Borik
Manager

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Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received: Jun 04, 2026
Date Reported: Jun 12, 2026
Report Number: 3593955-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-7
Parameter เสียงรบกวน
Location ที่ศึกษาเสียงจากพื้นที่ระดมของโครงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 28 - 29, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
09:00 AM - 10:00 AM	56.3	48.7	55.5	-	45.0	10.5
10:00 AM - 11:00 AM	55.3	50.2	53.7	-	46.7	7.3
11:00 AM - 12:00 PM	55.6	51.7	53.3	-	48.7	4.6
12:00 PM - 01:00 PM	55.3	50.8	53.4	-	46.2	7.2
01:00 PM - 02:00 PM	55.1	50.1	56.1	-	45.3	10.8
02:00 PM - 03:00 PM	52.6	50.4	58.0	-	46.8	7.2
03:00 PM - 04:00 PM	54.3	51.8	50.7	-	47.0	3.7
04:00 PM - 05:00 PM	54.9	50.2	53.1	-	45.6	7.5
05:00 PM - 06:00 PM	47.8	50.3	n/a	-	44.7	-
06:00 PM - 07:00 PM	51.0	47.2	48.7	-	43.4	5.3
07:00 PM - 08:00 PM	47.2	51.3	n/a	-	48.7	-
08:00 PM - 09:00 PM	47.3	49.2	n/a	-	46.7	-
09:00 PM - 10:00 PM	47.0	47.2	n/a	-	45.7	-
10:00 PM - 10:05 PM	46.4	47.9	-	n/a	46.2	-
10:05 PM - 10:10 PM	46.7	47.4	-	n/a	45.7	-
10:10 PM - 10:15 PM	46.3	46.8	-	n/a	45.1	-
10:15 PM - 10:20 PM	46.3	47.0	-	n/a	45.3	-
10:20 PM - 10:25 PM	46.6	47.1	-	n/a	45.2	-
10:25 PM - 10:30 PM	47.7	46.3	-	45.1	44.5	0.6
10:30 PM - 10:35 PM	46.3	46.6	-	n/a	45.0	-
10:35 PM - 10:40 PM	46.5	47.1	-	n/a	44.8	-
10:40 PM - 10:45 PM	46.0	46.5	-	n/a	44.3	-
10:45 PM - 10:50 PM	46.5	46.9	-	n/a	45.0	-
10:50 PM - 10:55 PM	46.3	46.9	-	n/a	44.6	-
10:55 PM - 11:00 PM	47.1	47.2	-	n/a	44.5	-
11:00 PM - 11:05 PM	46.1	48.0	-	n/a	45.3	-
11:05 PM - 11:10 PM	46.5	49.0	-	n/a	46.4	-
11:10 PM - 11:15 PM	47.4	49.2	-	n/a	45.7	-
11:15 PM - 11:20 PM	47.1	49.8	-	n/a	46.2	-
11:20 PM - 11:25 PM	51.4	50.1	-	48.5	46.5	2.0
11:25 PM - 11:30 PM	46.7	49.8	-	n/a	46.1	-
11:30 PM - 11:35 PM	48.8	48.1	-	n/a	45.9	-
11:35 PM - 11:40 PM	46.4	48.7	-	n/a	45.3	-
11:40 PM - 11:45 PM	45.6	48.9	-	n/a	44.5	-
11:45 PM - 11:50 PM	46.7	48.2	-	n/a	44.9	-
11:50 PM - 11:55 PM	45.6	47.5	-	n/a	44.2	-
11:55 PM - 12:00 AM	45.6	47.7	-	n/a	44.4	-
12:00 AM - 12:05 AM	45.7	47.7	-	n/a	44.7	-
12:05 AM - 12:10 AM	45.4	47.3	-	n/a	44.4	-
12:10 AM - 12:15 AM	45.4	47.1	-	n/a	43.7	-

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Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21210

Lot ID: 2635083
Date Received: Jun 04, 2026
Date Reported: Jun 12, 2026
Report Number: 3593955-2

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593955-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-7
Parameter เสียงรบกวน
Location ที่ใกล้อาศัยทางด้านทิศตะวันตกของโรงการ (N1) (GPS 47P 0740549, 1421164)
Measurement Date May 28 - 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 1120938

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:35 AM - 03:40 AM	49.2	44.6	-	50.4	40.7	9.7
03:40 AM - 03:45 AM	46.1	44.8	-	43.2	39.9	3.3
03:45 AM - 03:50 AM	46.7	44.9	-	45.0	39.8	6.2
03:50 AM - 03:55 AM	47.1	44.2	-	47.0	39.1	7.9
03:55 AM - 04:00 AM	46.9	43.7	-	47.1	39.0	8.1
04:00 AM - 04:05 AM	47.5	41.4	-	49.3	38.8	10.5
04:05 AM - 04:10 AM	46.6	44.4	-	45.6	41.1	4.5
04:10 AM - 04:15 AM	46.3	44.3	-	45.0	41.2	3.8
04:15 AM - 04:20 AM	46.2	44.0	-	45.2	41.0	4.2
04:20 AM - 04:25 AM	48.2	44.8	-	48.5	41.5	7.0
04:25 AM - 04:30 AM	52.1	45.2	-	54.1	41.8	12.3
04:30 AM - 04:35 AM	50.1	44.5	-	51.7	41.2	10.5
04:35 AM - 04:40 AM	49.0	45.8	-	49.2	42.6	6.6
04:40 AM - 04:45 AM	49.8	44.6	-	51.2	41.6	9.6
04:45 AM - 04:50 AM	52.1	45.1	-	54.1	41.2	12.9
04:50 AM - 04:55 AM	51.5	46.0	-	53.1	40.4	12.7
04:55 AM - 05:00 AM	52.8	45.0	-	55.0	40.8	14.2
05:00 AM - 05:05 AM	51.7	44.6	-	53.8	40.3	13.5
05:05 AM - 05:10 AM	50.3	44.9	-	51.8	40.1	11.7
05:10 AM - 05:15 AM	51.4	44.4	-	53.4	39.6	13.8
05:15 AM - 05:20 AM	49.8	47.2	-	49.3	41.2	8.1
05:20 AM - 05:25 AM	49.8	47.6	-	48.8	41.6	7.2
05:25 AM - 05:30 AM	51.3	49.7	-	49.2	43.2	6.0
05:30 AM - 05:35 AM	52.1	48.0	-	53.0	42.2	10.8
05:35 AM - 05:40 AM	49.4	46.5	-	47.8	40.6	8.7
05:40 AM - 05:45 AM	49.3	46.9	-	48.6	41.0	7.6
05:45 AM - 05:50 AM	50.0	46.6	-	50.3	41.1	9.2
05:50 AM - 05:55 AM	50.6	50.0	-	44.7	42.8	1.9
05:55 AM - 06:00 AM	50.7	51.8	-	n/a	-	-
06:00 AM - 07:00 AM	53.8	48.7	52.2	-	44.5	7.7
07:00 AM - 08:00 AM	56.2	50.7	54.8	-	47.0	7.8
08:00 AM - 09:00 AM	52.5	50.6	48.0	-	46.6	1.4
ค่ามาตรฐาน						
≤ 10						

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดระดับค่าระดับเสียงขณะมีการรบกวน การคำนวณระดับการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565
- มาตรฐาน ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 28-29 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-7) มีการตรวจวัด วันที่ 28-29 พฤษภาคม 2569
- ก/ข: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดมีการรบกวนระดับเสียงขณะไม่มีการรบกวน

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Approved by

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593955-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-8
Parameter เสียงรบกวน
Location ที่ใกล้อาศัยทางด้านทิศเหนือของโรงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 22 - 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	54.5	46.9	53.7	-	41.7	12.0
11:00 AM - 12:00 PM	54.0	50.8	51.2	-	40.3	10.9
12:00 PM - 01:00 PM	52.4	47.9	50.5	-	38.2	12.3
01:00 PM - 02:00 PM	53.6	47.7	52.3	-	42.3	10.0
02:00 PM - 03:00 PM	58.3	50.5	57.5	-	43.3	14.2
03:00 PM - 04:00 PM	54.6	49.7	52.9	-	44.9	8.0
04:00 PM - 05:00 PM	53.0	49.9	50.1	-	42.6	7.5
05:00 PM - 06:00 PM	51.9	46.4	50.5	-	43.1	7.4
06:00 PM - 07:00 PM	54.3	48.0	53.1	-	45.8	7.3
07:00 PM - 08:00 PM	54.1	50.8	51.4	-	49.8	3.6
08:00 PM - 09:00 PM	59.4	50.2	58.8	-	49.2	9.6
09:00 PM - 10:00 PM	58.1	49.3	57.5	-	48.3	9.2
10:00 PM - 10:05 PM	58.3	49.9	58.6	-	48.7	11.9
10:05 PM - 10:10 PM	57.8	50.3	-	59.9	49.2	10.7
10:10 PM - 10:15 PM	59.6	50.3	-	62.1	49.5	12.6
10:15 PM - 10:20 PM	59.2	50.4	-	61.6	49.5	12.1
10:20 PM - 10:25 PM	59.0	51.2	-	61.2	49.6	11.6
10:25 PM - 10:30 PM	58.6	50.5	-	60.9	49.6	11.3
10:30 PM - 10:35 PM	59.5	50.1	-	62.0	49.1	12.9
10:35 PM - 10:40 PM	59.6	50.5	-	62.0	49.6	12.4
10:40 PM - 10:45 PM	59.5	51.1	-	61.8	50.1	11.7
10:45 PM - 10:50 PM	57.7	51.3	-	59.6	50.4	9.2
10:50 PM - 10:55 PM	55.9	51.0	-	57.2	50.0	7.2
10:55 PM - 11:00 PM	60.0	51.4	-	62.4	50.4	12.0
11:00 PM - 11:05 PM	59.9	51.8	-	62.4	50.9	11.3
11:05 PM - 11:10 PM	59.4	51.8	-	61.6	50.8	10.8
11:10 PM - 11:15 PM	58.5	51.8	-	60.5	50.9	9.6
11:15 PM - 11:20 PM	59.0	51.1	-	61.1	50.9	10.3
11:20 PM - 11:25 PM	58.4	51.9	-	60.3	51.1	9.2
11:25 PM - 11:30 PM	59.8	52.2	-	62.0	51.4	10.6
11:30 PM - 11:35 PM	60.0	52.3	-	62.2	51.7	10.5
11:35 PM - 11:40 PM	60.6	52.7	-	62.9	51.4	11.4
11:40 PM - 11:45 PM	60.5	52.2	-	62.8	51.6	11.2
11:45 PM - 11:50 PM	58.2	52.5	-	59.8	51.9	7.9
11:50 PM - 11:55 PM	59.7	52.4	-	61.8	51.8	10.0
11:55 PM - 12:00 AM	58.9	52.9	-	60.6	52.3	8.3
12:00 AM - 12:05 AM	57.2	53.0	-	58.1	52.4	5.7
12:05 AM - 12:10 AM	57.4	53.3	-	58.3	52.5	5.8
12:10 AM - 12:15 AM	56.7	53.2	-	57.2	52.5	4.7
12:15 AM - 12:20 AM	58.3	53.2	-	59.7	52.5	7.2

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Analysis / Test Report



TESTING
No. 0042

Cilent : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593957-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-9
Parameter เสียงรบกวน
Location พื้นที่ภายในงานพื้นที่ของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
10:00 AM - 11:00 AM	51.3	46.3	49.6	-	41.5	8.1
11:00 AM - 12:00 PM	53.7	46.9	52.7	-	41.3	11.4
12:00 PM - 01:00 PM	47.2	42.8	45.2	-	37.8	7.4
01:00 PM - 02:00 PM	54.0	49.0	53.0	-	41.9	11.1
02:00 PM - 03:00 PM	46.6	49.3	n/a	-	43.3	-
03:00 PM - 04:00 PM	52.1	48.1	49.9	-	44.4	5.5
04:00 PM - 05:00 PM	52.4	47.1	50.9	-	42.4	8.5
05:00 PM - 06:00 PM	47.7	48.1	n/a	-	45.6	-
06:00 PM - 07:00 PM	51.6	50.3	45.7	-	48.5	-2.8
07:00 PM - 08:00 PM	48.1	51.3	n/a	-	50.8	-
08:00 PM - 09:00 PM	49.1	49.0	32.7	-	47.9	-15.2
09:00 PM - 10:00 PM	47.9	47.9	n/a	-	46.8	-
10:00 PM - 10:05 PM	47.3	47.3	n/a	-	46.6	-
10:05 PM - 10:10 PM	47.8	47.4	-	40.2	46.8	-6.6
10:10 PM - 10:15 PM	47.4	47.2	-	36.9	46.6	-9.7
10:15 PM - 10:20 PM	47.8	47.1	-	42.5	46.4	-3.9
10:20 PM - 10:25 PM	48.5	47.5	-	44.6	46.7	-2.1
10:25 PM - 10:30 PM	49.1	47.8	-	46.2	46.9	-0.7
10:30 PM - 10:35 PM	47.4	48.7	-	n/a	46.1	-
10:35 PM - 10:40 PM	47.0	47.2	-	n/a	46.4	-
10:40 PM - 10:45 PM	46.2	47.0	-	n/a	46.3	-
10:45 PM - 10:50 PM	46.2	47.1	-	n/a	46.3	-
10:50 PM - 10:55 PM	45.1	47.0	-	n/a	46.2	-
10:55 PM - 11:00 PM	47.6	47.4	-	37.1	46.7	-9.6
11:00 PM - 11:05 PM	46.1	47.9	-	n/a	47.0	-
11:05 PM - 11:10 PM	46.1	47.7	-	n/a	46.9	-
11:10 PM - 11:15 PM	46.8	47.7	-	n/a	47.0	-
11:15 PM - 11:20 PM	46.7	47.4	-	n/a	46.7	-
11:20 PM - 11:25 PM	47.5	47.5	-	n/a	46.8	-
11:25 PM - 11:30 PM	47.3	47.5	-	n/a	46.8	-
11:30 PM - 11:35 PM	46.6	47.9	-	n/a	46.9	-
11:35 PM - 11:40 PM	46.1	48.6	-	n/a	46.7	-
11:40 PM - 11:45 PM	46.8	47.1	-	n/a	46.4	-
11:45 PM - 11:50 PM	46.2	47.1	-	n/a	46.5	-
11:50 PM - 11:55 PM	46.5	47.4	-	n/a	46.8	-
11:55 PM - 12:00 AM	46.7	47.5	-	n/a	46.8	-
12:00 AM - 12:05 AM	47.2	47.6	-	n/a	46.9	-
12:05 AM - 12:10 AM	46.9	47.5	-	n/a	46.8	-
12:10 AM - 12:15 AM	46.6	47.1	-	n/a	46.4	-
12:15 AM - 12:20 AM	46.7	46.8	-	n/a	46.2	-

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Analysis / Test Report



TESTING
No. 0042

Cilent : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593957-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-9
Parameter เสียงรบกวน
Location พื้นที่ภายในงานพื้นที่ของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
12:20 AM - 12:25 AM	45.9	46.9	-	n/a	46.4	-
12:25 AM - 12:30 AM	47.5	46.4	-	44.0	45.8	-1.8
12:30 AM - 12:35 AM	46.5	46.6	-	n/a	45.8	-
12:35 AM - 12:40 AM	47.1	46.2	-	42.8	45.7	-2.9
12:40 AM - 12:45 AM	47.2	47.1	-	33.8	45.6	-11.8
12:45 AM - 12:50 AM	46.0	46.5	-	n/a	45.5	-
12:50 AM - 12:55 AM	47.1	46.9	-	36.6	45.9	-9.3
12:55 AM - 01:00 AM	46.9	47.1	-	n/a	46.0	-
01:00 AM - 01:05 AM	45.9	47.2	-	n/a	46.2	-
01:05 AM - 01:10 AM	47.7	46.6	-	33.3	45.7	-12.4
01:10 AM - 01:15 AM	46.0	46.3	-	n/a	45.5	-
01:15 AM - 01:20 AM	46.8	46.2	-	40.9	45.5	-4.6
01:20 AM - 01:25 AM	47.7	47.7	-	n/a	45.6	-
01:25 AM - 01:30 AM	46.4	46.4	-	n/a	45.8	-
01:30 AM - 01:35 AM	47.9	46.3	-	45.8	45.7	0.1
01:35 AM - 01:40 AM	48.6	46.3	-	47.7	45.5	2.2
01:40 AM - 01:45 AM	47.3	46.3	-	43.4	45.3	-1.9
01:45 AM - 01:50 AM	46.7	45.8	-	42.4	45.0	-2.6
01:50 AM - 01:55 AM	47.1	45.7	-	44.5	44.8	-0.3
01:55 AM - 02:00 AM	47.3	45.4	-	45.8	44.6	1.2
02:00 AM - 02:05 AM	46.9	45.2	-	45.0	44.5	0.5
02:05 AM - 02:10 AM	47.7	44.9	-	47.5	44.1	3.4
02:10 AM - 02:15 AM	47.5	45.4	-	46.3	44.4	1.9
02:15 AM - 02:20 AM	48.3	45.5	-	48.1	44.6	3.5
02:20 AM - 02:25 AM	49.8	43.3	-	46.3	44.9	1.4
02:25 AM - 02:30 AM	46.7	45.8	-	42.4	44.7	-2.3
02:30 AM - 02:35 AM	47.2	46.3	-	42.9	44.8	-
02:35 AM - 02:40 AM	54.7	45.1	-	47.5	43.9	3.6
02:40 AM - 02:45 AM	47.8	44.9	-	47.7	43.9	3.8
02:45 AM - 02:50 AM	47.8	45.2	-	47.3	44.0	3.3
02:50 AM - 02:55 AM	48.7	45.7	-	48.7	43.6	5.1
02:55 AM - 03:00 AM	47.4	47.4	-	44.1	44.1	-
03:00 AM - 03:05 AM	49.8	47.6	-	48.8	44.4	4.4
03:05 AM - 03:10 AM	49.7	47.7	-	48.8	44.2	4.6
03:10 AM - 03:15 AM	48.2	47.9	-	39.4	44.6	-3.2
03:15 AM - 03:20 AM	48.8	47.6	-	47.6	43.7	3.9
03:20 AM - 03:25 AM	47.3	47.1	-	36.8	43.0	-6.2
03:25 AM - 03:30 AM	46.6	46.4	-	47.6	42.8	4.8
03:30 AM - 03:35 AM	45.1	47.4	-	n/a	43.8	-
03:35 AM - 03:40 AM	44.9	47.6	-	n/a	44.5	-

The above results are valid only for the analysed/checked 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. A.S. Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Analysis / Test Report



TESTING
No. 0042

Cilent : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593957-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-9
Parameter เสียงรบกวน
Location พื้นที่ภายในงานพื้นที่ของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
03:40 AM - 03:45 AM	45.1	48.4	-	n/a	45.0	-
03:45 AM - 03:50 AM	46.5	48.0	-	n/a	44.3	-
03:50 AM - 03:55 AM	44.7	46.2	-	n/a	44.3	-
03:55 AM - 04:00 AM	44.4	45.9	-	n/a	44.2	-
04:00 AM - 04:05 AM	44.7	45.8	-	n/a	44.2	-
04:05 AM - 04:10 AM	47.2	46.4	-	42.5	44.3	-1.8
04:10 AM - 04:15 AM	45.6	46.5	-	n/a	44.4	-
04:15 AM - 04:20 AM	48.0	46.1	-	46.5	43.6	2.9
04:20 AM - 04:25 AM	47.5	48.4	-	n/a	44.8	-
04:25 AM - 04:30 AM	49.4	49.4	-	48.4	44.0	5.4
04:30 AM - 04:35 AM	48.1	46.2	-	46.6	43.4	3.2
04:35 AM - 04:40 AM	49.0	44.4	-	50.2	42.8	7.4
04:40 AM - 04:45 AM	47.6	45.3	-	46.7	43.0	3.7
04:45 AM - 04:50 AM	47.2	45.9	-	45.9	43.3	2.6
04:50 AM - 04:55 AM	49.2	44.7	-	50.3	42.8	7.5
04:55 AM - 05:00 AM	47.9	47.7	-	37.4	42.5	-5.1
05:00 AM - 05:05 AM	49.6	45.5	-	50.5	42.7	7.8
05:05 AM - 05:10 AM	49.1	45.3	-	49.8	43.1	6.7
05:10 AM - 05:15 AM	49.8	48.5	-	46.9	42.9	4.0
05:15 AM - 05:20 AM	49.0	47.6	-	46.4	43.3	3.1
05:20 AM - 05:25 AM	47.8	47.6	-	n/a	43.8	-
05:25 AM - 05:30 AM	48.2	47.6	-	42.3	44.1	-1.8
05:30 AM - 05:35 AM	49.4	47.1	-	48.5	44.3	4.2
05:35 AM - 05:40 AM	49.1	47.0	-	47.9	44.4	3.5
05:40 AM - 05:45 AM	50.9	48.3	-	50.4	45.3	4.9
05:45 AM - 05:50 AM	52.1	48.9	-	52.3	44.6	7.7
05:50 AM - 05:55 AM	51.1	52.5	-	n/a	45.0	-
05:55 AM - 06:00 AM	49.1	52.3	-	n/a	43.8	-
06:00 AM - 07:00 AM	50.6	48.9	-	45.7	43.2	2.5
07:00 AM - 08:00 AM	53.4	47.9	-	52.0	-	10.3
08:00 AM - 09:00 AM	51.9	46.7	-	50.3	-	11.0
09:00 AM - 10:00 AM	55.7	49.0	-	54.7	-	≤ 10

การตรวจวัด

Reference Method :

1. ISO 1996-1

2. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

3. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

4. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

5. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

6. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

7. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

8. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

9. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

10. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

11. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

12. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

13. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

14. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

15. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

16. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

17. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

18. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

19. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

20. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

21. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

22. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

23. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

24. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

25. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

26. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

27. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน

28. ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglao Rd., Nonglao, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593958-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-10
Parameter เสียงรบกวน
Location พื้นที่อาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 24 - 25, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

ระดับเสียง (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงพื้นฐาน	ค่าระดับการรบกวน
12:20 AM - 12:25 AM	46.4	49.0	-	n/a	46.3
12:25 AM - 12:30 AM	46.1	48.8	-	n/a	46.0
12:30 AM - 12:35 AM	45.3	48.7	-	n/a	45.9
12:35 AM - 12:40 AM	44.8	48.6	-	n/a	45.8
12:40 AM - 12:45 AM	44.4	48.4	-	n/a	45.5
12:45 AM - 12:50 AM	44.9	48.2	-	n/a	45.2
12:50 AM - 12:55 AM	45.5	48.1	-	n/a	45.3
12:55 AM - 01:00 AM	44.6	48.2	-	n/a	45.5
01:00 AM - 01:05 AM	44.6	48.4	-	n/a	45.4
01:05 AM - 01:10 AM	45.2	49.2	-	n/a	45.4
01:10 AM - 01:15 AM	43.9	49.4	-	n/a	45.7
01:15 AM - 01:20 AM	45.2	49.2	-	n/a	46.1
01:20 AM - 01:25 AM	45.3	48.8	-	n/a	46.0
01:25 AM - 01:30 AM	46.2	47.7	-	n/a	45.4
01:30 AM - 01:35 AM	45.3	48.2	-	n/a	45.6
01:35 AM - 01:40 AM	45.6	48.8	-	n/a	46.3
01:40 AM - 01:45 AM	45.7	48.8	-	n/a	46.0
01:45 AM - 01:50 AM	46.0	48.1	-	n/a	45.0
01:50 AM - 01:55 AM	45.4	48.6	-	n/a	45.6
01:55 AM - 02:00 AM	43.6	48.4	-	n/a	45.3
02:00 AM - 02:05 AM	56.3	47.1	58.7	41.5	17.2
02:05 AM - 02:10 AM	68.7	54.5	71.5	40.6	30.9
02:10 AM - 02:15 AM	61.0	69.4	-	n/a	41.5
02:15 AM - 02:20 AM	58.7	60.7	-	n/a	58.3
02:20 AM - 02:25 AM	54.5	58.3	-	n/a	58.3
02:25 AM - 02:30 AM	53.9	53.7	-	43.4	48.9
02:30 AM - 02:35 AM	54.9	52.2	-	54.6	46.9
02:35 AM - 02:40 AM	60.9	52.7	-	70.0	49.6
02:40 AM - 02:45 AM	69.2	67.1	-	69.0	46.5
02:45 AM - 02:50 AM	63.3	69.7	-	n/a	41.8
02:50 AM - 02:55 AM	69.8	61.1	-	72.2	43.4
02:55 AM - 03:00 AM	68.9	69.9	-	68.9	42.1
03:00 AM - 03:05 AM	67.9	69.0	-	n/a	65.5
03:05 AM - 03:10 AM	63.0	67.0	-	n/a	63.5
03:10 AM - 03:15 AM	61.1	62.2	-	n/a	60.2
03:15 AM - 03:20 AM	58.6	59.8	-	n/a	57.8
03:20 AM - 03:25 AM	55.5	57.4	-	n/a	54.1
03:25 AM - 03:30 AM	53.7	55.6	-	n/a	51.6
03:30 AM - 03:35 AM	53.2	52.9	-	44.4	49.7
03:35 AM - 03:40 AM	53.0	52.3	-	47.7	46.5

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Wilawan Borik
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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglao Rd., Nonglao, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593958-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-10
Parameter เสียงรบกวน
Location พื้นที่อาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 24 - 25, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

ระดับเสียง (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงพื้นฐาน	ค่าระดับการรบกวน
03:40 AM - 03:45 AM	52.2	52.6	-	n/a	45.6
03:45 AM - 03:50 AM	50.3	51.7	-	n/a	45.7
03:50 AM - 03:55 AM	49.2	49.4	-	n/a	44.7
03:55 AM - 04:00 AM	50.1	49.9	-	39.6	42.6
04:00 AM - 04:05 AM	48.0	49.4	-	n/a	44.0
04:05 AM - 04:10 AM	47.0	47.9	-	n/a	44.1
04:10 AM - 04:15 AM	48.2	48.0	-	37.7	44.3
04:15 AM - 04:20 AM	48.4	48.7	-	n/a	45.4
04:20 AM - 04:25 AM	47.5	45.9	-	45.4	43.1
04:25 AM - 04:30 AM	49.9	46.3	-	50.4	43.9
04:30 AM - 04:35 AM	49.4	47.7	-	47.5	43.1
04:35 AM - 04:40 AM	51.0	49.1	-	49.5	46.4
04:40 AM - 04:45 AM	51.7	48.9	-	51.5	46.9
04:45 AM - 04:50 AM	52.7	50.2	-	52.1	46.8
04:50 AM - 04:55 AM	54.0	48.5	-	55.6	47.2
04:55 AM - 05:00 AM	52.8	48.8	-	53.6	47.3
05:00 AM - 05:05 AM	52.4	49.6	-	52.2	46.8
05:05 AM - 05:10 AM	52.5	48.7	-	53.7	46.7
05:10 AM - 05:15 AM	51.5	46.6	-	52.8	43.4
05:15 AM - 05:20 AM	53.7	46.1	-	55.9	44.1
05:20 AM - 05:25 AM	53.8	48.0	-	55.5	45.0
05:25 AM - 05:30 AM	53.7	47.8	-	55.4	44.1
05:30 AM - 05:35 AM	54.4	52.2	-	53.4	45.9
05:35 AM - 05:40 AM	54.1	57.1	-	n/a	45.5
05:40 AM - 05:45 AM	53.5	51.3	-	52.5	45.6
05:45 AM - 05:50 AM	53.9	51.1	-	53.7	45.1
05:50 AM - 05:55 AM	53.8	53.4	-	46.2	45.1
05:55 AM - 06:00 AM	53.7	50.6	53.8	46.0	45.0
06:00 AM - 07:00 AM	54.2	51.2	51.2	45.0	5.5
07:00 AM - 08:00 AM	54.4	48.0	53.3	-	44.3
08:00 AM - 09:00 AM	53.9	49.3	52.1	-	44.2
09:00 AM - 10:00 AM	52.3	47.0	50.8	-	41.5

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณระดับเสียงขณะมีการรบกวน การคำนวณระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ

ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 24-25 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-10 วันที่ตรวจวัด 24-25 พฤษภาคม 2569)
- หมายเหตุ : ในการคำนวณค่าระดับเสียงขณะมีการรบกวนได้ เนื่องจากข้อมูลเสียงจากแหล่งกำเนิดการรบกวนระดับเสียงขณะไม่มีการรบกวน

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. A/S Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Wilawan Borik
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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglao Rd., Nonglao, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593959-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-11
Parameter เสียงรบกวน
Location พื้นที่อาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

ระดับเสียง (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงพื้นฐาน	ค่าระดับการรบกวน
10:00 AM - 11:00 AM	50.7	46.2	-	38.0	10.8
11:00 AM - 12:00 PM	51.3	45.4	-	38.3	11.7
12:00 PM - 01:00 PM	47.3	43.3	-	37.8	7.3
01:00 PM - 02:00 PM	49.6	44.3	-	40.1	8.0
02:00 PM - 03:00 PM	48.9	47.4	-	42.6	3.4
03:00 PM - 04:00 PM	50.6	46.7	-	43.3	5.0
04:00 PM - 05:00 PM	51.0	49.1	-	44.5	2.1
05:00 PM - 06:00 PM	53.2	50.5	-	45.8	4.1
06:00 PM - 07:00 PM	51.4	48.4	-	46.4	2.0
07:00 PM - 08:00 PM	53.0	51.8	-	50.0	-3.2
08:00 PM - 09:00 PM	52.4	49.8	-	48.0	0.9
09:00 PM - 10:00 PM	51.7	48.4	-	47.2	1.8
10:00 PM - 10:05 PM	50.4	47.8	49.9	46.5	3.4
10:05 PM - 10:10 PM	50.5	47.9	-	50.0	46.6
10:10 PM - 10:15 PM	51.5	48.1	-	51.8	46.9
10:15 PM - 10:20 PM	51.7	48.0	-	51.7	47.4
10:20 PM - 10:25 PM	51.7	48.9	-	51.5	47.8
10:25 PM - 10:30 PM	51.2	49.1	-	50.0	48.0
10:30 PM - 10:35 PM	51.4	49.0	-	50.7	47.9
10:35 PM - 10:40 PM	51.3	48.9	-	50.6	47.8
10:40 PM - 10:45 PM	51.4	48.7	-	51.1	47.7
10:45 PM - 10:50 PM	51.9	48.3	-	52.4	47.1
10:50 PM - 10:55 PM	51.5	48.2	-	51.8	47.1
10:55 PM - 11:00 PM	50.2	48.2	-	48.7	47.1
11:00 PM - 11:05 PM	46.8	48.4	-	n/a	47.1
11:05 PM - 11:10 PM	46.0	47.3	-	n/a	45.9
11:10 PM - 11:15 PM	46.1	46.5	-	n/a	45.4
11:15 PM - 11:20 PM	53.4	46.8	-	55.3	46.8
11:20 PM - 11:25 PM	50.5	51.7	-	n/a	44.8
11:25 PM - 11:30 PM	48.6	51.0	-	n/a	45.0
11:30 PM - 11:35 PM	48.6	45.7	-	48.5	44.2
11:35 PM - 11:40 PM	49.0	43.5	-	49.4	43.6
11:40 PM - 11:45 PM	49.4	46.1	-	49.7	44.9
11:45 PM - 11:50 PM	47.4	46.9	-	40.8	45.3
11:50 PM - 11:55 PM	51.7	47.5	-	52.6	46.1
11:55 PM - 12:00 AM	48.4	50.4	-	n/a	46.0
12:00 AM - 12:05 AM	50.5	45.6	-	51.8	44.4
12:05 AM - 12:10 AM	47.9	46.0	-	46.4	44.9
12:10 AM - 12:15 AM	47.8	45.8	-	44.7	44.7
12:15 AM - 12:20 AM	47.8	45.3	-	47.2	44.0

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglao Rd., Nonglao, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593959-2

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-11
Parameter เสียงรบกวน
Location พื้นที่อาศัยทางด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

ระดับเสียง (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน	เสียงพื้นฐาน	ค่าระดับการรบกวน
12:20 AM - 12:25 AM	48.7	45.9	-	48.5	44.7
12:25 AM - 12:30 AM	49.3	46.2	-	49.4	44.1
12:30 AM - 12:35 AM	48.8	46.4	-	48.1	45.5
12:35 AM - 12:40 AM	48.9	45.9	-	48.9	44.9
12:40 AM - 12:45 AM	48.5	46.2	-	47.6	45.2
12:45 AM - 12:50 AM	48.6	46.3	-	48.3	45.0
12:50 AM - 12:55 AM	48.7	45.8	-	48.6	45.1
12:55 AM - 01:00 AM	49.8	46.1	-	50.4	45.1
01:00 AM - 01:05 AM	50.1	46.8	-	50.1	45.2
01:05 AM - 01:10 AM	50.3	46.0	-	51.3	45.2
01:10 AM - 01:15 AM	50.4	46.7	-	51.0	45.8
01:15 AM - 01:20 AM	50.8	47.3	-	51.2	45.8
01:20 AM - 01:25 AM	50.3	46.3	-	51.1	45.7
01:25 AM - 01:30 AM	48.6	46.5	-	47.4	45.5
01:30 AM - 01:35 AM	50.8	46.1	-	52.0	45.1



Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593959-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-11
Parameter เสียงรบกวน
Location พื้นที่อาคารด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	52.6	50.4	-	51.6	48.4	3.2
03:45 AM - 03:50 AM	51.9	48.8	-	52.0	47.0	5.0
03:50 AM - 03:55 AM	51.4	49.0	-	50.7	47.7	3.0
03:55 AM - 04:00 AM	52.3	47.3	-	53.6	44.1	9.5
04:00 AM - 04:05 AM	51.8	47.0	-	53.1	43.8	9.3
04:05 AM - 04:10 AM	51.8	48.1	-	52.4	45.6	6.8
04:10 AM - 04:15 AM	54.2	48.4	-	55.9	46.3	9.6
04:15 AM - 04:20 AM	53.3	48.8	-	54.4	44.5	9.9
04:20 AM - 04:25 AM	53.6	48.9	-	54.8	46.5	8.3
04:25 AM - 04:30 AM	53.4	49.4	-	54.2	47.2	6.5
04:30 AM - 04:35 AM	51.7	49.2	-	51.1	47.9	3.2
04:35 AM - 04:40 AM	50.8	48.3	-	50.2	47.0	3.2
04:40 AM - 04:45 AM	50.1	47.9	-	49.1	44.9	4.2
04:45 AM - 04:50 AM	50.0	47.6	-	49.3	43.5	5.8
04:50 AM - 04:55 AM	50.3	47.1	-	50.5	43.1	7.4
04:55 AM - 05:00 AM	49.8	47.5	-	48.9	43.4	5.5
05:00 AM - 05:05 AM	50.5	46.5	-	51.3	43.2	8.1
05:05 AM - 05:10 AM	51.9	47.4	-	53.0	43.2	9.8
05:10 AM - 05:15 AM	51.1	47.0	-	52.0	44.6	7.4
05:15 AM - 05:20 AM	50.5	46.1	-	51.5	44.0	7.5
05:20 AM - 05:25 AM	51.5	46.6	-	52.8	44.2	8.6
05:25 AM - 05:30 AM	51.8	48.9	-	51.7	44.7	7.0
05:30 AM - 05:35 AM	51.4	50.0	-	48.8	45.8	3.0
05:35 AM - 05:40 AM	53.2	48.0	-	54.6	45.7	8.9
05:40 AM - 05:45 AM	50.8	48.0	-	50.8	46.0	4.7
05:45 AM - 05:50 AM	51.2	47.1	-	52.1	45.5	6.6
05:50 AM - 05:55 AM	51.1	47.4	-	51.7	46.0	5.7
05:55 AM - 06:00 AM	51.1	48.8	-	48.2	45.9	2.3
06:00 AM - 07:00 AM	51.6	49.2	47.9	-	48.2	2.5
07:00 AM - 08:00 AM	54.0	49.0	52.3	-	45.3	7.0
08:00 AM - 09:00 AM	52.7	47.0	51.3	-	42.9	8.4
09:00 AM - 10:00 AM	53.9	52.4	48.6	-	44.7	3.9
						≤ 10

ค่ามาตรฐาน

Reference Method :
1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณค่าระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ :
ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:
1. ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 25-26 พฤษภาคม 2569
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-11 ตรวจวัดวันที่ 25-26 พฤษภาคม 2569)
3. ก/ก : ไม่สามารถคำนวณค่าระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดและการรบกวนระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analysed/checked 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.

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593960-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-12
Parameter เสียงรบกวน
Location พื้นที่อาคารด้านทิศเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 26 - 27, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	56.2	49.0	55.3	-	44.7	10.6
11:00 AM - 12:00 PM	54.5	47.4	53.6	-	43.1	10.5
12:00 PM - 01:00 PM	49.4	45.6	47.1	-	40.8	6.3
01:00 PM - 02:00 PM	57.2	51.9	55.7	-	47.8	7.9
02:00 PM - 03:00 PM	54.2	49.5	52.4	-	43.6	8.8
03:00 PM - 04:00 PM	54.3	50.6	51.9	-	44.7	7.2
04:00 PM - 05:00 PM	55.2	48.8	54.1	-	44.5	9.6
05:00 PM - 06:00 PM	50.1	48.6	44.8	-	44.7	0.1
06:00 PM - 07:00 PM	50.0	47.0	47.0	-	44.4	2.6
07:00 PM - 08:00 PM	52.5	49.8	49.2	-	48.6	0.6
08:00 PM - 09:00 PM	51.8	48.8	48.8	-	47.5	1.3
09:00 PM - 10:00 PM	49.0	49.4	n/a	-	47.4	-
10:00 PM - 10:05 PM	48.8	48.8	-	38.3	47.4	-9.1
10:05 PM - 10:10 PM	48.9	48.1	-	44.2	46.9	-2.7
10:10 PM - 10:15 PM	45.0	47.8	-	n/a	46.6	-
10:15 PM - 10:20 PM	45.5	48.3	-	n/a	46.6	-
10:20 PM - 10:25 PM	48.1	47.0	-	n/a	45.8	-
10:25 PM - 10:30 PM	49.2	47.3	-	47.7	45.9	1.8
10:30 PM - 10:35 PM	47.4	47.3	-	34.0	45.8	-11.8
10:35 PM - 10:40 PM	44.7	48.1	-	n/a	46.0	-
10:40 PM - 10:45 PM	48.1	48.1	-	n/a	45.8	-
10:45 PM - 10:50 PM	45.2	50.8	-	n/a	47.0	-
10:50 PM - 10:55 PM	46.9	52.2	-	n/a	50.5	-
10:55 PM - 11:00 PM	46.1	52.4	-	n/a	51.9	-
11:00 PM - 11:05 PM	48.7	52.6	-	n/a	51.3	-
11:05 PM - 11:10 PM	49.6	51.5	-	n/a	49.5	-
11:10 PM - 11:15 PM	49.7	51.8	-	n/a	50.0	-
11:15 PM - 11:20 PM	49.8	51.8	-	n/a	50.2	-
11:20 PM - 11:25 PM	50.9	51.4	-	n/a	49.2	-
11:25 PM - 11:30 PM	50.9	53.6	-	n/a	52.0	-
11:30 PM - 11:35 PM	50.5	53.6	-	n/a	52.1	-
11:35 PM - 11:40 PM	50.5	53.5	-	n/a	51.6	-
11:40 PM - 11:45 PM	50.4	53.2	-	n/a	51.0	-
11:45 PM - 11:50 PM	50.1	51.4	-	n/a	49.9	-
11:50 PM - 11:55 PM	49.9	51.4	-	n/a	50.1	-
11:55 PM - 12:00 AM	49.8	51.0	-	n/a	49.6	-
12:00 AM - 12:05 AM	50.1	51.0	-	n/a	49.1	-
12:05 AM - 12:10 AM	49.4	52.4	-	n/a	50.8	-
12:10 AM - 12:15 AM	50.0	52.4	-	n/a	50.7	-
12:15 AM - 12:20 AM	50.2	51.9	-	n/a	49.6	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593961-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-13
Parameter เสียงรบกวน
Location พื้นที่พัฒนาบ้านพักเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 27 - 28, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีกิจกรรม		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	61.2	50.3	60.8	-	44.4	16.4
11:00 AM - 12:00 PM	54.7	47.9	53.7	-	43.7	10.0
12:00 PM - 01:00 PM	50.0	44.6	48.5	-	42.5	6.0
01:00 PM - 02:00 PM	57.2	48.5	56.6	-	45.0	11.6
02:00 PM - 03:00 PM	54.3	47.8	53.2	-	43.9	9.3
03:00 PM - 04:00 PM	54.8	48.8	53.5	-	45.7	7.8
04:00 PM - 05:00 PM	56.1	48.8	55.2	-	45.6	9.6
05:00 PM - 06:00 PM	49.9	48.8	43.4	-	44.6	-1.2
06:00 PM - 07:00 PM	49.9	48.1	45.2	-	45.3	-0.1
07:00 PM - 08:00 PM	48.7	50.1	n/a	-	48.0	-
08:00 PM - 09:00 PM	47.3	48.6	n/a	-	47.2	-
09:00 PM - 10:00 PM	49.4	49.0	38.8	-	47.1	-8.3
10:00 PM - 10:05 PM	50.5	48.1	-	49.8	46.7	3.1
10:05 PM - 10:10 PM	50.1	48.1	-	48.8	46.9	1.9
10:10 PM - 10:15 PM	48.7	47.8	-	44.4	46.1	-1.7
10:15 PM - 10:20 PM	48.9	47.0	-	47.4	45.9	1.5
10:20 PM - 10:25 PM	49.8	47.6	-	48.8	45.6	3.2
10:25 PM - 10:30 PM	50.3	46.8	-	50.7	45.4	5.3
10:30 PM - 10:35 PM	49.7	46.6	-	49.8	45.0	4.8
10:35 PM - 10:40 PM	50.7	46.2	-	51.8	45.1	6.7
10:40 PM - 10:45 PM	50.4	45.8	-	51.6	44.8	6.8
10:45 PM - 10:50 PM	50.0	45.9	-	50.9	44.8	6.1
10:50 PM - 10:55 PM	50.4	47.3	-	50.5	44.9	5.6
10:55 PM - 11:00 PM	48.9	46.2	-	48.6	45.3	3.3
11:00 PM - 11:05 PM	49.8	49.0	-	45.1	45.7	-0.6
11:05 PM - 11:10 PM	50.2	46.6	-	49.7	45.6	5.1
11:10 PM - 11:15 PM	49.8	46.8	-	49.8	45.6	4.2
11:15 PM - 11:20 PM	46.2	46.6	-	n/a	45.1	-
11:20 PM - 11:25 PM	46.6	46.5	-	33.2	45.3	-12.1
11:25 PM - 11:30 PM	46.7	47.3	-	n/a	45.5	-
11:30 PM - 11:35 PM	46.3	46.4	-	n/a	45.6	-
11:35 PM - 11:40 PM	45.7	45.8	-	n/a	45.2	-
11:40 PM - 11:45 PM	45.5	46.2	-	n/a	45.3	-
11:45 PM - 11:50 PM	45.3	46.0	-	n/a	45.2	-
11:50 PM - 11:55 PM	45.3	46.3	-	n/a	45.6	-
11:55 PM - 12:00 AM	45.2	46.5	-	n/a	45.1	-
12:00 AM - 12:05 AM	45.5	46.5	-	n/a	45.8	-
12:05 AM - 12:10 AM	45.7	46.8	-	n/a	45.9	-
12:10 AM - 12:15 AM	44.4	46.8	-	n/a	45.8	-
12:15 AM - 12:20 AM	43.8	46.1	-	n/a	45.4	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593961-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-13
Parameter เสียงรบกวน
Location พื้นที่พัฒนาบ้านพักเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 27 - 28, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีกิจกรรม		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	43.7	45.8	-	n/a	45.2	-
12:25 AM - 12:30 AM	43.8	45.3	-	n/a	44.1	-
12:30 AM - 12:35 AM	44.2	46.1	-	n/a	44.8	-
12:35 AM - 12:40 AM	44.2	47.4	-	n/a	45.1	-
12:40 AM - 12:45 AM	44.5	47.0	-	n/a	45.6	-
12:45 AM - 12:50 AM	45.3	46.3	-	n/a	45.5	-
12:50 AM - 12:55 AM	45.4	46.0	-	n/a	45.5	-
12:55 AM - 01:00 AM	44.2	46.2	-	n/a	45.5	-
01:00 AM - 01:05 AM	43.6	46.4	-	n/a	45.3	-
01:05 AM - 01:10 AM	43.6	45.4	-	n/a	44.3	-
01:10 AM - 01:15 AM	43.8	45.7	-	n/a	44.8	-
01:15 AM - 01:20 AM	43.8	46.3	-	n/a	45.4	-
01:20 AM - 01:25 AM	44.2	46.3	-	n/a	45.4	-
01:25 AM - 01:30 AM	43.4	46.2	-	n/a	45.4	-
01:30 AM - 01:35 AM	43.4	46.1	-	n/a	44.9	-
01:35 AM - 01:40 AM	43.1	45.6	-	n/a	44.2	-
01:40 AM - 01:45 AM	43.1	45.3	-	n/a	43.9	-
01:45 AM - 01:50 AM	42.6	44.8	-	n/a	43.6	-
01:50 AM - 01:55 AM	44.0	44.8	-	n/a	43.0	-
01:55 AM - 02:00 AM	44.6	45.4	-	n/a	43.6	-
02:00 AM - 02:05 AM	45.2	44.5	-	n/a	43.2	-3.3
02:05 AM - 02:10 AM	45.1	44.6	-	n/a	43.7	-5.2
02:10 AM - 02:15 AM	43.0	44.4	-	n/a	43.5	-
02:15 AM - 02:20 AM	43.2	44.2	-	n/a	43.1	-
02:20 AM - 02:25 AM	44.5	46.4	-	n/a	43.4	-7.3
02:25 AM - 02:30 AM	44.1	45.1	-	n/a	44.0	-
02:30 AM - 02:35 AM	43.5	45.3	-	n/a	43.2	-
02:35 AM - 02:40 AM	43.3	45.0	-	n/a	43.0	-
02:40 AM - 02:45 AM	42.6	43.8	-	n/a	42.9	-
02:45 AM - 02:50 AM	42.7	43.4	-	n/a	42.6	-
02:50 AM - 02:55 AM	42.3	43.1	-	n/a	42.2	-
02:55 AM - 03:00 AM	42.3	43.2	-	n/a	42.0	-
03:00 AM - 03:05 AM	42.7	43.3	-	n/a	41.9	-
03:05 AM - 03:10 AM	42.6	42.7	-	n/a	41.7	-
03:10 AM - 03:15 AM	43.4	43.3	-	n/a	42.4	-12.4
03:15 AM - 03:20 AM	42.6	43.7	-	n/a	42.5	-
03:20 AM - 03:25 AM	42.2	43.2	-	n/a	42.0	-
03:25 AM - 03:30 AM	42.9	43.3	-	n/a	42.3	-
03:30 AM - 03:35 AM	42.9	45.2	-	n/a	42.7	-
03:35 AM - 03:40 AM	42.9	44.1	-	n/a	42.7	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593961-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-13
Parameter เสียงรบกวน
Location พื้นที่พัฒนาบ้านพักเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 27 - 28, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีกิจกรรม		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	42.0	43.2	-	n/a	42.3	-
03:45 AM - 03:50 AM	42.0	42.3	-	n/a	41.3	-
03:50 AM - 03:55 AM	41.5	42.0	-	n/a	41.1	-
03:55 AM - 04:00 AM	41.4	42.2	-	n/a	41.3	-
04:00 AM - 04:05 AM	41.2	42.1	-	n/a	41.3	-
04:05 AM - 04:10 AM	42.1	42.3	-	n/a	41.6	-
04:10 AM - 04:15 AM	43.4	42.1	-	40.5	41.1	-0.6
04:15 AM - 04:20 AM	42.3	46.5	-	n/a	41.7	-
04:20 AM - 04:25 AM	41.9	45.9	-	n/a	41.5	-
04:25 AM - 04:30 AM	42.7	43.5	-	n/a	41.6	-
04:30 AM - 04:35 AM	42.8	44.6	-	n/a	42.0	-
04:35 AM - 04:40 AM	43.6	44.4	-	n/a	42.3	-
04:40 AM - 04:45 AM	44.5	44.3	-	39.8	42.4	-2.6
04:45 AM - 04:50 AM	44.4	48.9	-	n/a	43.2	-
04:50 AM - 04:55 AM	44.2	47.4	-	n/a	43.2	-
04:55 AM - 05:00 AM	43.3	47.3	-	n/a	43.4	-
05:00 AM - 05:05 AM	43.5	45.1	-	n/a	42.8	-
05:05 AM - 05:10 AM	43.7	45.5	-	n/a	42.6	-
05:10 AM - 05:15 AM	43.8	46.2	-	n/a	42.9	-
05:15 AM - 05:20 AM	45.5	49.1	-	n/a	43.1	-
05:20 AM - 05:25 AM	45.6	49.3	-	n/a	43.2	-
05:25 AM - 05:30 AM	45.5	49.3	-	n/a	43.8	-
05:30 AM - 05:35 AM	45.7	47.2	-	n/a	43.9	-
05:35 AM - 05:40 AM	47.3	47.4	-	n/a	44.3	-
05:40 AM - 05:45 AM	45.8	47.1	-	n/a	44.3	-
05:45 AM - 05:50 AM	45.7	50.1	-	n/a	44.3	-
05:50 AM - 05:55 AM	47.3	47.0	-	38.5	43.9	-5.4
05:55 AM - 06:00 AM	46.8	47.4	-	n/a	42.3	-
06:00 AM - 07:00 AM	50.9	48.7	46.9	-	42.7	-4.2
07:00 AM - 08:00 AM	51.2	47.7	48.6	-	42.1	6.5
08:00 AM - 09:00 AM	56.0	50.2	54.7	-	46.3	8.4
09:00 AM - 10:00 AM	52.9	43.0	51.2	-	49.9	7.2

การคำนวณ

- Reference Method :
- ISO 1996-1
 - ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะมีกิจกรรม การตรวจวัดค่าระดับเสียงรบกวน และการคำนวณค่าระดับเสียงรบกวน และฉบับที่ 1 ประกาศกระทรวงสิ่งแวดล้อม พ.ศ. 2565
 - ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะมีกิจกรรม การตรวจวัดค่าระดับเสียงรบกวน และการคำนวณค่าระดับเสียงรบกวน และฉบับที่ 1 ประกาศกระทรวงสิ่งแวดล้อม พ.ศ. 2565
 - ประกาศกรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะมีกิจกรรม การตรวจวัดค่าระดับเสียงรบกวน และการคำนวณค่าระดับเสียงรบกวน และฉบับที่ 1 ประกาศกระทรวงสิ่งแวดล้อม พ.ศ. 2565

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Wibawan Borik
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593961-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-14
Parameter เสียงรบกวน
Location พื้นที่พัฒนาบ้านพักเหนือของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 28 - 29, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 1120936

จุดเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีกิจกรรม		เสียงพื้นฐาน	ค่าเฉลี่ยการรวม
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	54.3	48.2	53.1	-	44.0	9.1
11:00 AM - 12:00 PM	53.5	46.4	52.6	-	42.4	10.2
12:00 PM - 01:00 PM	50.4	46.2	44.2	-	40.1	4.1
01:00 PM - 02:00 PM	53.3	46.3	51.0	-	46.3	4.7
02:00 PM - 03:00 PM	50.0	50.7	53.0	-	45.6	7.4
03:00 PM - 04:00 PM	52.9	47.4	51.5	-	43.2	8.3
04:00 PM - 05:00 PM	52.2	46.3	49.9	-	43.3	6.8
05:00 PM - 06:00 PM	50.1	48.1	45.8	-	43.4	2.4
06:00 PM - 07:00 PM	48.9	48.8	32.5	-	44.6	-12.1
07:00 PM - 08:00 PM	48.6	49.0	n/a	-	47.4	-
08:00 PM - 09:00 PM	48.2	47.7	38.6	-	47.9	-
09:00 PM - 10:00 PM	45.9	46.3	n/a	-	45.5	-
10:00 PM - 10:05 PM	44.1	45.9	-	n/a	45.1	-
10:05 PM - 10:10 PM	43.9	45.6	-	n/a	44.9	-
10:10 PM - 10:15 PM	43.7	45.4	-	n/a	45.2	-
10:15 PM - 10:20 PM	44.7	46.3	-	n/a	45.3	-
10:20 PM - 10:25 PM	44.2	46.2	-	n/a	45.1	-
10:25 PM - 10:30 PM	43.8	45.8	-	n/a	44.9	-
10:30 PM - 10:35 PM	47.7	45.9	-	46.0	44.8	1.2
10:35 PM - 10:40 PM	47.7	45.2	-	45.4	45.2	0.2
10:40 PM - 10:45 PM	45.1	46.9	-	n/a	46.1	-
10:45 PM - 10:50 PM	47.3	47.1	36.8	-	46.3	-9.5
10:50 PM - 10:55 PM	45.7	47.0	-	n/a	45.9	-
10:55 PM - 11:00 PM	46.6	47.1	-	n/a	45.5	-
11:00 PM - 11:05 PM	46.8	46.6	-	46.2	45.3	4.8
11:05 PM - 11:10 PM	48.6	46.6	-	47.3	45.3	2.0
11:10 PM - 11:15 PM	48.8	47.1	-	46.9	46.2	0.7
11:15 PM - 11:20 PM	48.5	47.4	-	45.0	46.7	-1.7
11:20 PM - 11:25 PM	48.5	47.3	-	45.3	46.4	-1.1
11:25 PM - 11:30 PM	49.3	47.7	-	47.2	46.0	1.2
11:30 PM - 11:35 PM	49.3	48.3	-	45.4	46.5	-1.1
11:35 PM - 11:40 PM	48.8	50.0	-	n/a	47.6	-
11:40 PM - 11:45 PM	49.3	48.3	-	n/a	48.4	-
11:45 PM - 11:50 PM	48.8	50.5	-	n/a	48.9	-
11:50 PM - 11:55 PM	47.2	49.0	-	n/a	48.0	-
11:55 PM - 12:00 AM	47.3	49.0	-	n/a	47.6	-
12:00 AM - 12:05 AM	47.3	49.8	-	n/a	48.6	-
12:05 AM - 12:10 AM	48.6	47.5	-	43.3	47.0	-3.7
12:10 AM - 12:15 AM	50.1	47.9	-	49.6	46.7	2.9
12:15 AM - 12:20 AM	49.8	47.6	-	46.7	47.1	-



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593962-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-14
Parameter เสียงรบกวน
Location ที่ศึกษาเสียงจากพื้นที่ของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 28 - 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	49.3	47.7	-	47.2	46.5	0.7
12:25 AM - 12:30 AM	46.3	47.3	-	n/a	46.0	-
12:30 AM - 12:35 AM	46.4	47.4	-	n/a	46.3	-
12:35 AM - 12:40 AM	45.9	47.6	-	n/a	46.0	-
12:40 AM - 12:45 AM	47.2	47.0	-	36.7	45.9	-9.2
12:45 AM - 12:50 AM	45.6	46.3	-	n/a	45.3	-
12:50 AM - 12:55 AM	45.7	46.0	-	n/a	44.8	-
12:55 AM - 01:00 AM	45.5	45.3	-	35.0	43.7	-8.7
01:00 AM - 01:05 AM	45.2	44.5	-	39.9	43.6	-3.7
01:05 AM - 01:10 AM	45.6	45.4	-	35.1	43.2	-8.7
01:10 AM - 01:15 AM	46.3	45.8	-	39.7	43.7	-4.0
01:15 AM - 01:20 AM	45.7	45.1	-	39.8	43.4	-3.6
01:20 AM - 01:25 AM	45.3	45.8	-	n/a	44.0	-
01:25 AM - 01:30 AM	45.1	45.1	-	n/a	44.3	-
01:30 AM - 01:35 AM	45.8	44.9	-	41.5	44.0	-2.5
01:35 AM - 01:40 AM	45.9	46.7	-	n/a	44.1	-
01:40 AM - 01:45 AM	45.5	45.3	-	35.0	44.4	-9.4
01:45 AM - 01:50 AM	44.0	45.7	-	n/a	44.5	-
01:50 AM - 01:55 AM	46.0	45.7	-	37.2	44.5	-7.3
01:55 AM - 02:00 AM	47.5	45.2	-	46.6	43.7	2.9
02:00 AM - 02:05 AM	44.2	44.3	-	n/a	43.0	-
02:05 AM - 02:10 AM	43.0	44.1	-	n/a	43.0	-
02:10 AM - 02:15 AM	44.0	44.0	-	n/a	42.9	-
02:15 AM - 02:20 AM	44.1	44.2	-	n/a	42.8	-
02:20 AM - 02:25 AM	44.7	43.9	-	40.0	42.9	-2.9
02:25 AM - 02:30 AM	43.2	44.3	-	n/a	43.2	-
02:30 AM - 02:35 AM	42.6	44.0	-	n/a	43.0	-
02:35 AM - 02:40 AM	42.6	44.2	-	n/a	43.3	-
02:40 AM - 02:45 AM	43.6	43.8	-	n/a	42.7	-
02:45 AM - 02:50 AM	43.9	44.0	-	n/a	43.1	-
02:50 AM - 02:55 AM	43.6	43.9	-	n/a	43.0	-
02:55 AM - 03:00 AM	43.9	44.4	-	n/a	43.4	-
03:00 AM - 03:05 AM	44.5	46.0	-	n/a	44.1	-
03:05 AM - 03:10 AM	44.2	45.0	-	n/a	43.2	-
03:10 AM - 03:15 AM	43.9	44.8	-	n/a	43.2	-
03:15 AM - 03:20 AM	44.6	44.6	-	n/a	43.2	-
03:20 AM - 03:25 AM	44.0	44.5	-	n/a	43.2	-
03:25 AM - 03:30 AM	43.8	43.9	-	n/a	43.1	-
03:30 AM - 03:35 AM	43.2	44.1	-	n/a	43.2	-
03:35 AM - 03:40 AM	42.4	44.3	-	n/a	43.4	-

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593962-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-14
Parameter เสียงรบกวน
Location ที่ศึกษาเสียงจากพื้นที่ของโครงการ (N2) (GPS 47P 0744215, 1421562)
Measurement Date May 28 - 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 1120936

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	42.8	43.7	-	n/a	42.8	-
03:45 AM - 03:50 AM	41.7	43.9	-	n/a	42.8	-
03:50 AM - 03:55 AM	43.1	43.9	-	n/a	42.9	-
03:55 AM - 04:00 AM	43.5	43.8	-	n/a	42.5	-
04:00 AM - 04:05 AM	43.3	44.0	-	n/a	42.9	-
04:05 AM - 04:10 AM	43.6	44.3	-	n/a	43.2	-
04:10 AM - 04:15 AM	43.0	45.4	-	n/a	43.7	-
04:15 AM - 04:20 AM	47.9	45.6	-	47.0	43.1	3.9
04:20 AM - 04:25 AM	49.9	45.0	-	51.2	43.1	8.1
04:25 AM - 04:30 AM	43.7	46.4	-	n/a	42.9	-
04:30 AM - 04:35 AM	43.4	45.8	-	n/a	42.8	-
04:35 AM - 04:40 AM	44.4	44.3	-	31.0	42.7	-11.7
04:40 AM - 04:45 AM	44.5	46.5	-	n/a	43.0	-
04:45 AM - 04:50 AM	45.1	45.7	-	n/a	42.8	-
04:50 AM - 04:55 AM	45.5	47.9	-	n/a	46.1	-
04:55 AM - 05:00 AM	45.8	48.0	-	n/a	46.1	-
05:00 AM - 05:05 AM	46.0	48.2	-	n/a	46.4	-
05:05 AM - 05:10 AM	47.0	48.0	-	n/a	46.5	-
05:10 AM - 05:15 AM	46.8	49.4	-	n/a	46.4	-
05:15 AM - 05:20 AM	47.5	49.3	-	n/a	47.0	-
05:20 AM - 05:25 AM	47.4	49.2	-	n/a	46.9	-
05:25 AM - 05:30 AM	48.9	49.3	-	n/a	47.1	-
05:30 AM - 05:35 AM	50.4	49.6	-	45.7	46.4	-0.7
05:35 AM - 05:40 AM	50.0	55.5	-	n/a	47.6	-
05:40 AM - 05:45 AM	49.7	53.5	-	n/a	44.9	-
05:45 AM - 05:50 AM	47.5	51.6	-	n/a	44.8	-
05:50 AM - 05:55 AM	46.9	54.6	-	n/a	44.5	-
05:55 AM - 06:00 AM	46.9	50.7	-	n/a	44.5	-
06:00 AM - 07:00 AM	46.0	49.6	n/a	-	41.4	-
07:00 AM - 08:00 AM	53.7	48.0	52.3	-	42.6	9.7
08:00 AM - 09:00 AM	56.6	50.5	55.4	-	46.0	9.4
09:00 AM - 10:00 AM	53.9	45.9	53.2	-	41.7	11.5

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593964-1

Page 3 of 3

Sample No. 2635083-15
Parameter เสียงรบกวน
Location พื้นที่ภายในงานพื้นที่โครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 22 - 23, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
03:50 AM - 03:55 AM	48.9	44.4	-	50.0	42.2	7.8
03:55 AM - 04:00 AM	49.2	45.2	-	50.0	43.5	6.5
04:00 AM - 04:05 AM	48.6	44.7	-	49.3	43.1	5.2
04:05 AM - 04:10 AM	48.7	44.8	-	49.4	43.2	6.2
04:10 AM - 04:15 AM	49.6	44.7	-	50.9	42.9	8.0
04:15 AM - 04:20 AM	49.7	45.4	-	50.7	43.2	7.5
04:20 AM - 04:25 AM	49.5	46.4	-	56.8	46.7	12.6
04:25 AM - 04:30 AM	52.3	46.2	-	54.1	44.6	9.5
04:30 AM - 04:35 AM	56.2	46.4	-	58.7	43.9	14.8
04:35 AM - 04:40 AM	54.1	45.9	-	56.4	43.1	13.3
04:40 AM - 04:45 AM	52.8	45.7	-	54.9	42.9	12.0
04:45 AM - 04:50 AM	52.1	46.5	-	53.7	43.1	10.6
04:50 AM - 04:55 AM	52.6	46.9	-	54.2	43.8	10.4
04:55 AM - 05:00 AM	52.2	46.3	-	53.9	43.9	10.0
05:00 AM - 05:05 AM	52.1	48.2	-	52.8	44.7	8.1
05:05 AM - 05:10 AM	52.2	48.2	-	53.0	44.3	8.7
05:10 AM - 05:15 AM	52.1	52.2	-	n/a	45.1	-
05:15 AM - 05:20 AM	53.1	50.4	-	52.8	44.9	7.9
05:20 AM - 05:25 AM	53.8	51.0	-	53.6	44.1	9.5
05:25 AM - 05:30 AM	52.6	53.4	-	n/a	45.6	-
05:30 AM - 05:35 AM	50.8	50.5	-	42.0	45.8	-3.8
05:35 AM - 05:40 AM	50.9	47.9	-	50.9	45.9	5.0
05:40 AM - 05:45 AM	53.8	48.3	-	55.4	46.3	9.1
05:45 AM - 05:50 AM	50.9	48.5	-	50.2	46.4	3.8
05:50 AM - 05:55 AM	46.1	50.8	-	42.2	46.2	-3.8
05:55 AM - 06:00 AM	50.6	49.5	-	47.1	45.6	1.5
06:00 AM - 07:00 AM	51.6	51.3	39.8	-	44.8	-5.0
07:00 AM - 08:00 AM	49.6	54.6	n/a	-	46.7	-
08:00 AM - 09:00 AM	49.5	52.1	n/a	-	43.2	-
09:00 AM - 10:00 AM	46.2	49.5	n/a	-	39.4	-
10:00 AM - 11:00 AM	46.0	48.7	n/a	-	40.0	-
11:00 AM - 12:00 PM	47.5	48.2	n/a	-	39.7	≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมเสียงรบกวน เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและค่าระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียงรบกวน และแบบฝึกการตรวจวัดเสียงรบกวน พ.ศ. 2565
- หมายเหตุ: ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 22-23 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-15) มีการตรวจวัด วันที่ 22-23 พฤษภาคม 2569
- ก/ก: ไม่มีการคำนวณค่าระดับเสียงขณะมีการรบกวน เนื่องจากระดับเสียงจากแหล่งกำเนิดมีค่าต่ำกว่าระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analysed/heated 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

Wibab.

Wilawan Borik
Manager

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593964-1

Page 1 of 3

Sample No. 2635083-16
Parameter เสียงรบกวน
Location พื้นที่ภายในงานพื้นที่โครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
12:00 PM - 01:00 PM	47.8	50.7	n/a	-	40.4	-
01:00 PM - 02:00 PM	47.4	48.2	n/a	-	41.5	-
02:00 PM - 03:00 PM	47.2	49.6	n/a	-	41.5	-
03:00 PM - 04:00 PM	47.4	52.4	n/a	-	42.8	-
04:00 PM - 05:00 PM	48.2	49.9	n/a	-	42.4	-
05:00 PM - 06:00 PM	48.2	52.2	n/a	-	44.3	-
06:00 PM - 07:00 PM	54.3	52.6	49.4	-	44.4	5.0
07:00 PM - 08:00 PM	52.4	53.8	n/a	-	48.9	-
08:00 PM - 09:00 PM	50.4	50.9	n/a	-	46.2	-
09:00 PM - 10:00 PM	48.5	49.3	n/a	-	42.9	-
10:00 PM - 10:05 PM	48.0	50.8	-	n/a	46.1	-
10:05 PM - 10:10 PM	48.8	48.2	-	42.9	45.1	-2.2
10:10 PM - 10:15 PM	49.5	48.0	-	47.2	43.9	3.3
10:15 PM - 10:20 PM	48.2	46.6	-	46.1	43.5	2.6
10:20 PM - 10:25 PM	48.2	48.2	-	n/a	44.1	-
10:25 PM - 10:30 PM	47.6	47.6	-	n/a	44.1	-
10:30 PM - 10:35 PM	47.8	46.3	-	45.5	43.9	1.6
10:35 PM - 10:40 PM	48.2	46.9	-	45.3	43.5	1.8
10:40 PM - 10:45 PM	47.7	46.4	-	44.8	43.7	1.1
10:45 PM - 10:50 PM	50.3	45.8	-	51.4	44.4	7.0
10:50 PM - 10:55 PM	47.1	51.1	-	n/a	44.9	-
10:55 PM - 11:00 PM	47.1	51.3	-	n/a	44.9	-
11:00 PM - 11:05 PM	47.3	46.3	-	43.4	44.3	-0.9
11:05 PM - 11:10 PM	49.5	44.8	-	50.7	42.6	8.1
11:10 PM - 11:15 PM	49.4	46.2	-	49.6	43.1	6.5
11:15 PM - 11:20 PM	49.1	45.9	-	49.3	43.8	5.5
11:20 PM - 11:25 PM	49.4	45.2	-	50.3	44.0	6.3
11:25 PM - 11:30 PM	49.4	46.0	-	49.7	44.3	5.4
11:30 PM - 11:35 PM	48.7	46.1	-	48.2	44.1	4.1
11:35 PM - 11:40 PM	48.3	61.6	-	n/a	43.6	-
11:40 PM - 11:45 PM	47.6	46.2	-	45.0	42.8	2.2
11:45 PM - 11:50 PM	45.7	46.6	-	42.5	43.3	-
11:50 PM - 11:55 PM	45.6	49.2	-	n/a	43.1	-
11:55 PM - 12:00 AM	44.4	47.8	-	n/a	44.1	-
12:00 AM - 12:05 AM	44.5	47.7	-	n/a	44.0	-
12:05 AM - 12:10 AM	44.9	46.1	-	n/a	42.9	-
12:10 AM - 12:15 AM	44.9	46.6	-	n/a	43.7	-
12:15 AM - 12:20 AM	44.6	48.0	-	n/a	43.5	-
12:20 AM - 12:25 AM	45.3	45.3	-	n/a	43.3	-
12:25 AM - 12:30 AM	44.9	45.1	-	n/a	43.5	-

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593964-1

Page 2 of 3

Sample No. 2635083-16
Parameter เสียงรบกวน
Location พื้นที่ภายในงานพื้นที่โครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
12:30 AM - 12:35 AM	47.4	45.4	-	46.1	42.7	3.4
12:35 AM - 12:40 AM	47.3	45.4	-	43.8	42.1	1.8
12:40 AM - 12:45 AM	46.7	46.8	-	n/a	42.1	-
12:45 AM - 12:50 AM	49.0	45.6	-	49.3	41.3	8.0
12:50 AM - 12:55 AM	45.9	43.1	-	45.7	41.0	4.7
12:55 AM - 01:00 AM	47.4	46.3	-	43.9	43.4	0.5
01:00 AM - 01:05 AM	47.7	46.6	-	44.2	44.2	0.0
01:05 AM - 01:10 AM	47.3	44.5	-	47.1	42.3	4.8
01:10 AM - 01:15 AM	47.2	46.1	-	43.7	42.1	1.6
01:15 AM - 01:20 AM	45.7	44.6	-	40.2	42.5	-0.3
01:20 AM - 01:25 AM	45.7	49.7	-	n/a	44.0	-
01:25 AM - 01:30 AM	46.6	45.9	-	41.3	43.2	-1.9
01:30 AM - 01:35 AM	47.3	44.9	-	46.6	42.6	4.0
01:35 AM - 01:40 AM	47.6	50.1	-	n/a	43.2	-
01:40 AM - 01:45 AM	46.9	45.8	-	43.4	42.9	0.5
01:45 AM - 01:50 AM	49.8	47.7	-	48.6	41.9	6.7
01:50 AM - 01:55 AM	47.5	44.7	-	47.3	42.5	4.8
01:55 AM - 02:00 AM	47.3	44.2	-	47.4	42.4	5.0
02:00 AM - 02:05 AM	47.2	44.8	-	46.5	42.4	4.1
02:05 AM - 02:10 AM	46.9	44.1	-	46.7	42.5	4.2
02:10 AM - 02:15 AM	47.5	44.3	-	47.7	42.8	4.9
02:15 AM - 02:20 AM	45.7	44.5	-	42.5	42.8	-0.3
02:20 AM - 02:25 AM	45.4	43.8	-	43.3	41.2	2.1
02:25 AM - 02:30 AM	46.4	49.0	-	44.4	41.6	4.8
02:30 AM - 02:35 AM	47.2	46.4	-	42.5	42.5	0.0
02:35 AM - 02:40 AM	44.8	47.4	-	n/a	42.1	-
02:40 AM - 02:45 AM	44.5	44.4	-	34.0	42.2	-8.2
02:45 AM - 02:50 AM	45.1	44.0	-	41.6	41.7	1.4
02:50 AM - 02:55 AM	44.3	42.7	-	42.2	40.6	1.6
02:55 AM - 03:00 AM	43.7	43.9	-	n/a	40.9	-
03:00 AM - 03:05 AM	44.0	45.3	-	n/a	41.2	-
03:05 AM - 03:10 AM	44.0	42.3	-	42.1	41.1	1.0
03:10 AM - 03:15 AM	44.6	43.9	-	39.3	41.6	-2.3
03:15 AM - 03:20 AM	43.7	43.3	-	36.1	41.5	-5.4
03:20 AM - 03:25 AM	44.2	44.2	-	n/a	41.6	-
03:25 AM - 03:30 AM	45.1	43.5	-	43.0	41.0	2.0
03:30 AM - 03:35 AM	44.1	44.4	-	n/a	42.1	-
03:35 AM - 03:40 AM	45.9	44.4	-	43.6	42.4	1.2
03:40 AM - 03:45 AM	46.9	45.0	-	45.4	42.0	2.6
03:45 AM - 03:50 AM	46.6	44.8	-	44.9	43.1	1.8

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Wibab.

Wilawan Borik
Manager

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593964-1

Page 3 of 3

Sample No. 2635083-16
Parameter เสียงรบกวน
Location พื้นที่ภายในงานพื้นที่โครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531295



Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593965-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-17
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางฝั่งใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 24 - 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีกิจกรรม		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	45.7	50.0	n/a	-	39.3	-3.5
01:00 PM - 02:00 PM	47.4	47.0	36.8	-	40.3	-
02:00 PM - 03:00 PM	47.8	49.7	n/a	-	42.0	-
03:00 PM - 04:00 PM	49.0	49.5	n/a	-	41.1	-
04:00 PM - 05:00 PM	48.4	50.8	n/a	-	43.4	-
05:00 PM - 06:00 PM	50.1	51.6	n/a	-	44.1	-
06:00 PM - 07:00 PM	49.2	52.2	n/a	-	45.0	-
07:00 PM - 08:00 PM	49.6	51.0	n/a	-	47.3	-
08:00 PM - 09:00 PM	48.8	52.9	n/a	-	47.5	-
09:00 PM - 10:00 PM	49.5	54.2	n/a	-	44.2	-
10:00 PM - 10:05 PM	47.2	47.0	-	36.7	44.0	-7.3
10:05 PM - 10:10 PM	47.5	47.9	-	n/a	44.1	-
10:10 PM - 10:15 PM	46.1	46.9	-	n/a	43.7	-
10:15 PM - 10:20 PM	44.4	47.2	-	n/a	43.7	-
10:20 PM - 10:25 PM	44.4	46.5	-	n/a	43.6	-
10:25 PM - 10:30 PM	44.9	45.5	-	n/a	43.4	-
10:30 PM - 10:35 PM	45.1	45.6	-	n/a	43.7	-
10:35 PM - 10:40 PM	45.3	46.1	-	n/a	43.4	-
10:40 PM - 10:45 PM	45.9	46.7	-	n/a	41.8	-
10:45 PM - 10:50 PM	46.1	43.1	-	46.1	41.7	4.4
10:50 PM - 10:55 PM	46.5	43.7	-	46.3	42.0	4.3
10:55 PM - 11:00 PM	46.4	46.6	-	n/a	43.5	-
11:00 PM - 11:05 PM	47.2	46.0	-	44.0	43.3	-0.6
11:05 PM - 11:10 PM	46.0	45.8	-	35.5	44.1	-6.7
11:10 PM - 11:15 PM	45.5	45.0	-	38.0	43.8	-4.9
11:15 PM - 11:20 PM	44.6	45.3	-	n/a	43.8	-
11:20 PM - 11:25 PM	46.3	44.9	-	43.7	43.3	0.4
11:25 PM - 11:30 PM	46.9	45.8	-	43.4	43.7	-0.3
11:30 PM - 11:35 PM	47.2	46.8	-	39.6	43.9	-4.3
11:35 PM - 11:40 PM	45.0	46.3	-	n/a	43.8	-
11:40 PM - 11:45 PM	45.7	46.5	-	n/a	44.0	-
11:45 PM - 11:50 PM	46.7	48.1	-	n/a	43.8	-
11:50 PM - 11:55 PM	47.8	48.9	-	n/a	43.6	-
11:55 PM - 12:00 AM	47.7	47.7	-	n/a	44.0	-
12:00 AM - 12:05 AM	47.0	46.6	-	39.4	44.4	-5.0
12:05 AM - 12:10 AM	46.5	47.6	-	n/a	45.7	-
12:10 AM - 12:15 AM	46.5	47.6	-	n/a	45.1	-
12:15 AM - 12:20 AM	45.8	47.4	-	n/a	45.0	-
12:20 AM - 12:25 AM	46.9	47.5	-	n/a	44.7	-
12:25 AM - 12:30 AM	47.7	48.6	-	n/a	44.6	-

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Approved by

Wilawan Borik
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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593965-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-17
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางฝั่งใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 24 - 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีกิจกรรม		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	46.5	47.1	-	n/a	43.5	-
12:35 AM - 12:40 AM	46.8	47.0	-	n/a	42.7	-
12:40 AM - 12:45 AM	46.6	46.7	-	n/a	44.0	-
12:45 AM - 12:50 AM	48.1	46.2	-	n/a	46.6	2.4
12:50 AM - 12:55 AM	47.0	45.9	-	n/a	43.5	-0.7
12:55 AM - 01:00 AM	45.8	46.6	-	n/a	44.5	-
01:00 AM - 01:05 AM	46.5	46.1	-	38.9	44.5	-5.6
01:05 AM - 01:10 AM	45.7	45.9	-	n/a	44.4	-
01:10 AM - 01:15 AM	49.7	46.0	-	50.3	43.9	6.4
01:15 AM - 01:20 AM	52.5	47.1	-	54.0	44.4	9.8
01:20 AM - 01:25 AM	49.4	47.1	-	48.5	44.2	4.3
01:25 AM - 01:30 AM	44.5	44.8	-	n/a	42.5	-
01:30 AM - 01:35 AM	45.0	44.2	-	40.3	42.6	-2.3
01:35 AM - 01:40 AM	44.0	44.1	-	n/a	42.8	-
01:40 AM - 01:45 AM	43.2	44.3	-	n/a	42.4	-
01:45 AM - 01:50 AM	57.7	45.6	-	60.4	42.0	18.4
01:50 AM - 01:55 AM	60.6	44.4	-	63.5	43.0	20.5
01:55 AM - 02:00 AM	66.5	44.3	-	69.5	43.1	26.4
02:00 AM - 02:05 AM	69.4	45.1	-	72.4	43.5	28.9
02:05 AM - 02:10 AM	58.4	54.2	-	59.3	43.3	16.0
02:10 AM - 02:15 AM	62.5	45.1	-	65.4	42.6	22.8
02:15 AM - 02:20 AM	58.1	47.4	-	60.7	41.7	19.0
02:20 AM - 02:25 AM	52.9	43.8	-	55.3	42.6	12.7
02:25 AM - 02:30 AM	56.0	44.2	-	58.7	41.7	17.0
02:30 AM - 02:35 AM	52.3	45.8	-	61.0	40.9	20.1
02:35 AM - 02:40 AM	53.5	51.4	-	52.3	41.5	10.8
02:40 AM - 02:45 AM	54.9	59.3	-	n/a	41.5	-
02:45 AM - 02:50 AM	56.1	67.5	-	n/a	46.8	-
02:50 AM - 02:55 AM	55.2	69.9	-	n/a	53.0	-
02:55 AM - 03:00 AM	53.6	69.9	-	n/a	64.6	-
03:00 AM - 03:05 AM	54.0	69.2	-	n/a	50.9	-
03:05 AM - 03:10 AM	52.5	58.7	-	n/a	45.8	-
03:10 AM - 03:15 AM	51.5	53.8	-	n/a	42.1	-
03:15 AM - 03:20 AM	48.2	56.2	-	n/a	44.5	-
03:20 AM - 03:25 AM	47.0	58.4	-	n/a	47.7	-
03:25 AM - 03:30 AM	47.3	61.2	-	n/a	48.4	-
03:30 AM - 03:35 AM	46.2	55.0	-	n/a	48.1	-
03:35 AM - 03:40 AM	47.1	56.3	-	n/a	49.8	-
03:40 AM - 03:45 AM	47.6	55.5	-	n/a	46.0	-
03:45 AM - 03:50 AM	46.6	53.6	-	n/a	45.4	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593965-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-17
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางฝั่งใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 24 - 25, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีกิจกรรม		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	48.9	54.5	-	n/a	48.7	-
03:55 AM - 04:00 AM	51.1	53.0	-	n/a	49.1	-
04:00 AM - 04:05 AM	47.8	51.9	-	n/a	45.9	-
04:05 AM - 04:10 AM	47.5	49.7	-	n/a	45.5	-
04:10 AM - 04:15 AM	47.9	47.6	-	47.0	47.7	-4.6
04:15 AM - 04:20 AM	49.3	47.8	-	47.0	44.5	2.5
04:20 AM - 04:25 AM	49.8	46.5	-	50.1	45.1	5.0
04:25 AM - 04:30 AM	48.6	46.2	-	47.9	44.5	3.4
04:30 AM - 04:35 AM	49.8	47.9	-	48.3	44.3	4.0
04:35 AM - 04:40 AM	51.6	45.6	-	53.3	43.8	9.5
04:40 AM - 04:45 AM	51.4	48.0	-	51.7	43.0	8.7
04:45 AM - 04:50 AM	50.3	50.8	-	n/a	44.9	-
04:50 AM - 04:55 AM	50.5	48.4	-	49.3	45.0	4.3
04:55 AM - 05:00 AM	54.9	48.0	-	56.9	45.1	11.8
05:00 AM - 05:05 AM	52.2	47.0	-	53.6	44.6	9.0
05:05 AM - 05:10 AM	49.5	50.4	-	n/a	45.7	-
05:10 AM - 05:15 AM	50.1	48.4	-	48.2	45.8	2.4
05:15 AM - 05:20 AM	49.8	48.0	-	48.1	45.5	2.6
05:20 AM - 05:25 AM	51.8	48.3	-	52.2	45.2	7.0
05:25 AM - 05:30 AM	51.0	51.4	-	n/a	45.6	-
05:30 AM - 05:35 AM	50.7	50.1	-	49.6	47.2	2.4
05:35 AM - 05:40 AM	52.7	50.5	-	51.7	47.3	4.4
05:40 AM - 05:45 AM	53.1	49.8	-	53.4	47.1	6.3
05:45 AM - 05:50 AM	53.3	51.9	-	50.7	47.4	3.3
05:50 AM - 05:55 AM	50.7	50.7	-	49.8	48.9	-
05:55 AM - 06:00 AM	52.0	48.8	-	52.2	45.2	7.0
06:00 AM - 07:00 AM	54.1	52.4	49.2	-	45.0	4.2
07:00 AM - 08:00 AM	58.5	55.0	55.9	-	47.5	8.4
08:00 AM - 09:00 AM	46.8	42.5	n/a	-	42.3	-
09:00 AM - 10:00 AM	50.6	49.1	45.3	-	43.4	1.9
10:00 AM - 11:00 AM	57.3	51.3	56.0	-	44.7	11.3
11:00 AM - 12:00 PM	48.3	54.6	n/a	-	42.9	-

ค่ามาตรฐาน

Reference Method :

- ISO 1996-1
 - ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะมีกิจกรรม การตรวจวัดและคำนวณระดับเสียงขณะมีกิจกรรม การทำนายและประเมินการรบกวน และแบบฝึกหัดการตรวจวัดเสียงรบกวน พ.ศ. 2565
 - ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน
- Remark:
- ระดับเสียงขณะมีกิจกรรม ค่าการรบกวน ณ วันที่ 24-25 พฤษภาคม 2569
 - ระดับเสียงขณะมีกิจกรรมไม่มีกิจกรรม (Sample No.2635084-17 ตรวจวัดวันที่ 24-25 พฤษภาคม 2569)
 - ค่า/ค่าทำนายค่าการรบกวนระดับเสียงขณะมีกิจกรรมค่าใด ค่าเสียงรบกวนเสียงจากแหล่งกำเนิดใดค่าเสียงขณะมีกิจกรรมค่าใด

The above results are valid only for the analysed/checked 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. A.S.Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593966-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-18
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางฝั่งใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 25 - 26, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 531295

ค่าเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	เสียงขณะมีกิจกรรม		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	49.9	49.4	40.3	-	43.3	-3.0
01:00 PM - 02:00 PM	52.4	52.8	n/a	-	43.9	-
02:00 PM - 03:00 PM	55.8	54.4	50.2	-	47.8	2.4
03:00 PM - 04:00 PM	56.5	58.0	n/a	-	49.8	-
04:00 PM - 05:00 PM	60.1	58.1	55.8	-	48.7	7.1
05:00 PM - 06:00 PM	49.7	57.4	57.4	-	47.2	n/a
06:00 PM - 07:00 PM	58.6	50.9	57.8	-	44.2	13.6
07:00 PM - 08:00 PM	50.2	54.9	n/a	-	51.3	-
08:00 PM - 09:00 PM	49.8	52.7	n/a	-	48.8	-
09:00 PM - 10:00 PM	49.8	51.9	n/a	-	49.2	-
10:00 PM - 10:05 PM	51.0	49.9	-	47.5	48.3	-0.8
10:05 PM - 10:10 PM	51.8	51.5	-	43.0	48.4	-5.4
10:10 PM - 10:15 PM	53.3	49.2	-	54.2	48.0	6.2
10:15 PM - 10:20 PM	46.7	50.8	-	48.7	47.9	-
10:20 PM - 10:25 PM	50.7	49.4	-	47.8	48.4	-0.6
10:25 PM - 10:30 PM	51.0	49.5	-	48.7	48.2	0.5
10:30 PM - 10:35 PM	52.0	49.1	-	51.9	47.9	4.0
10:35 PM - 10:40 PM	47.7	50.7	-	47.5	48.6	-1.1
10:40 PM - 10:45 PM	49.9	49.3	-	47.0	48.4	-4.4
10:45 PM - 10:50 PM	49.7	49.2	-	43.1	48.4	-5.3
10:50 PM - 10:55 PM	49.3	49.3	-	n/a	48.5	-
10:55 PM - 11:00 PM	49.0	50.1	-	n/a	49.1	-
11:00 PM - 11:05 PM	48.7	54.4	-	n/a	49.5	-
11:05 PM - 11:10 PM	49.2	48.0	-	46.0	43.0	3.0
11:10 PM - 11:15 PM	49.5	51.2	-	n/a	48.0	-
11:15 PM - 11:20 PM	46.9	49.8	-	n/a	48.3	-
11:20 PM - 11:25 PM	49.1	50.2	-	n/a	49.1	-
11:25 PM - 11:30 PM	48.8	49.8	-	n/a	48.7	-
11:30 PM - 11:35 PM	48.8	49.6	-	n/a	46.9	-
11:35 PM - 11:40 PM	49.1	50.0	-	n/a	48.7	-
11:40 PM - 11:45 PM	48.3	49.4	-	n/a	48.1	-
11:45 PM - 11:50 PM	48.7	48.8	-	40.3	46.4	-6.1
11:50 PM - 11:55 PM	48.8	48.1	-	35.5	48.0	-12.5
11:55 PM - 12:00 AM	48.9	50.1	-	n/a	46.9	-
12:00 AM - 12:05 AM	49.0	48.7	-	40.3	46.6	-6.2
12:05 AM - 12:10 AM	48.7	47.9	-	44.8	46.2	-6.4
12:10 AM - 12:15 AM	48.8	48.2	-	42.9	46.1	-3.2
12:15 AM - 12:20 AM	48.6	48.9	-	n/a	47.0	-
12:20 AM - 12:25 AM	51.7	48.2	-	51.9	47.1	4.8
12:25 AM - 12:30 AM	48.3	48.2	-	48.7	46.9	-



Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593966-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-18
Parameter เสียงรบกวน
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	48.3	48.4	-	n/a	47.4	-
12:35 AM - 12:40 AM	46.0	49.4	-	n/a	47.2	-
12:40 AM - 12:45 AM	46.6	47.8	-	n/a	46.0	-
12:45 AM - 12:50 AM	46.4	48.6	-	n/a	47.5	-
12:50 AM - 12:55 AM	47.3	48.2	-	n/a	47.1	-
12:55 AM - 01:00 AM	46.4	48.2	-	n/a	45.2	-
01:00 AM - 01:05 AM	47.5	47.2	-	38.7	46.2	-7.5
01:05 AM - 01:10 AM	48.4	47.5	-	44.1	46.8	-2.7
01:10 AM - 01:15 AM	48.4	51.7	-	n/a	39.3	-
01:15 AM - 01:20 AM	47.6	46.1	-	45.3	40.7	4.6
01:20 AM - 01:25 AM	48.2	47.9	-	39.4	46.3	-6.9
01:25 AM - 01:30 AM	47.9	47.5	-	40.3	45.6	-5.3
01:30 AM - 01:35 AM	48.9	47.0	-	47.4	44.8	2.6
01:35 AM - 01:40 AM	49.0	48.0	-	45.1	46.9	-1.8
01:40 AM - 01:45 AM	46.9	48.4	-	n/a	47.1	-
01:45 AM - 01:50 AM	50.3	47.8	-	49.7	46.6	3.1
01:50 AM - 01:55 AM	48.1	47.3	-	43.4	46.2	-2.8
01:55 AM - 02:00 AM	47.9	46.8	-	44.4	46.0	-1.6
02:00 AM - 02:05 AM	47.9	46.1	-	46.2	45.5	0.7
02:05 AM - 02:10 AM	48.0	46.3	-	46.1	45.5	0.6
02:10 AM - 02:15 AM	48.3	47.7	-	42.4	45.6	-3.2
02:15 AM - 02:20 AM	48.6	45.5	-	48.7	44.3	4.4
02:20 AM - 02:25 AM	48.8	47.4	-	46.2	46.8	-0.6
02:25 AM - 02:30 AM	48.6	47.7	-	44.3	45.7	-1.4
02:30 AM - 02:35 AM	48.7	46.8	-	47.0	45.8	1.5
02:35 AM - 02:40 AM	48.9	48.1	-	44.2	47.4	-3.2
02:40 AM - 02:45 AM	48.3	47.7	-	42.4	46.3	-3.9
02:45 AM - 02:50 AM	48.4	46.1	-	n/a	46.2	-
02:50 AM - 02:55 AM	48.8	48.0	-	44.1	46.8	-2.7
02:55 AM - 03:00 AM	49.2	47.9	-	46.3	46.0	0.3
03:00 AM - 03:05 AM	48.6	47.0	-	46.5	45.3	1.2
03:05 AM - 03:10 AM	48.4	48.0	-	40.8	46.0	-4.1
03:10 AM - 03:15 AM	48.8	46.8	-	47.5	45.6	-1.9
03:15 AM - 03:20 AM	49.0	46.5	-	48.4	45.5	2.9
03:20 AM - 03:25 AM	48.6	46.5	-	47.4	45.8	1.6
03:25 AM - 03:30 AM	49.6	47.6	-	48.3	46.0	2.3
03:30 AM - 03:35 AM	50.0	46.5	-	50.4	45.0	5.4
03:35 AM - 03:40 AM	50.1	44.5	-	51.7	43.1	8.6
03:40 AM - 03:45 AM	49.6	45.3	-	50.6	43.8	6.8
03:45 AM - 03:50 AM	48.0	53.7	-	n/a	43.5	-

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Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593966-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-18
Parameter เสียงรบกวน
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	48.7	46.2	-	48.1	44.9	3.2
03:55 AM - 04:00 AM	48.7	45.9	-	48.5	44.6	3.9
04:00 AM - 04:05 AM	48.3	46.4	-	46.8	44.8	2.0
04:05 AM - 04:10 AM	48.6	45.7	-	48.5	44.5	4.0
04:10 AM - 04:15 AM	49.0	45.1	-	49.7	43.5	6.2
04:15 AM - 04:20 AM	51.3	45.0	-	53.1	43.8	9.3
04:20 AM - 04:25 AM	51.3	49.5	-	49.6	44.0	5.6
04:25 AM - 04:30 AM	50.0	46.2	-	50.7	44.3	6.4
04:30 AM - 04:35 AM	49.7	47.2	-	49.1	45.1	4.0
04:35 AM - 04:40 AM	48.5	46.1	-	54.4	43.9	10.5
04:40 AM - 04:45 AM	49.8	47.6	-	72.8	44.9	27.9
04:45 AM - 04:50 AM	68.7	48.7	-	71.7	46.7	25.0
04:50 AM - 04:55 AM	50.2	48.6	-	48.1	46.6	1.5
04:55 AM - 05:00 AM	50.1	48.9	-	47.2	46.4	0.8
05:00 AM - 05:05 AM	48.9	50.0	-	n/a	46.7	-
05:05 AM - 05:10 AM	49.2	49.9	-	n/a	45.8	-
05:10 AM - 05:15 AM	49.0	50.7	-	n/a	47.1	-
05:15 AM - 05:20 AM	50.0	49.5	-	43.4	46.9	-3.5
05:20 AM - 05:25 AM	52.3	48.3	-	53.1	46.4	6.7
05:25 AM - 05:30 AM	50.6	50.5	-	37.2	46.3	-9.1
05:30 AM - 05:35 AM	50.3	49.8	-	43.7	46.1	-2.4
05:35 AM - 05:40 AM	49.7	48.8	-	45.4	46.0	-0.6
05:40 AM - 05:45 AM	48.9	48.1	-	44.2	45.4	-1.2
05:45 AM - 05:50 AM	50.7	48.8	-	49.2	43.7	8.5
05:50 AM - 05:55 AM	51.2	48.7	-	52.1	43.6	8.3
05:55 AM - 06:00 AM	50.7	49.4	-	49.8	44.4	3.4
06:00 AM - 07:00 AM	54.4	52.3	50.2	-	45.2	5.0
07:00 AM - 08:00 AM	51.9	54.4	n/a	-	46.0	-
08:00 AM - 09:00 AM	47.1	51.1	n/a	-	46.9	-
09:00 AM - 10:00 AM	54.1	48.8	52.6	-	39.6	13.0
10:00 AM - 11:00 AM	58.4	57.2	57.2	-	43.3	13.9
11:00 AM - 12:00 PM	54.8	56.9	n/a	-	48.3	< 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง "ใช้การตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณระดับเสียงขณะมีการรบกวน การคำนวณหาระดับเสียงรบกวน และแบบใช้การตรวจวัดเสียงรบกวน พ.ศ. 2565

มาตรฐาน

ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 25-26 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-18 วันที่ตรวจวัด 25-26 พฤษภาคม 2569)
- หมายเหตุ : ในการคำนวณค่าระดับเสียงขณะมีการรบกวนได้ เนื่องจากข้อมูลเสียงจากแหล่งกำเนิดมีการรบกวนระดับเสียงขณะไม่มีการรบกวน

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. A.S. Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Wibab.

Witawan Borik
Manager

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Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593967-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-19
Parameter เสียงรบกวน
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 26 - 27, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	55.3	52.4	52.2	-	44.9	7.3
01:00 PM - 02:00 PM	48.1	53.8	56.1	-	47.8	8.3
02:00 PM - 03:00 PM	56.7	54.7	52.4	-	47.6	4.8
03:00 PM - 04:00 PM	56.2	51.7	54.3	-	45.8	8.5
04:00 PM - 05:00 PM	48.4	50.3	n/a	-	46.3	-
05:00 PM - 06:00 PM	51.0	50.4	49.1	-	42.6	-0.5
06:00 PM - 07:00 PM	58.2	51.6	57.1	-	45.4	11.7
07:00 PM - 08:00 PM	57.1	53.4	54.7	-	47.5	7.2
08:00 PM - 09:00 PM	56.4	50.8	53.0	-	46.3	8.7
09:00 PM - 10:00 PM	53.5	49.3	51.4	-	46.1	5.3
10:00 PM - 10:05 PM	49.6	51.8	-	n/a	46.4	-
10:05 PM - 10:10 PM	48.5	50.1	-	n/a	48.5	-
10:10 PM - 10:15 PM	50.0	47.6	-	45.3	48.0	-2.7
10:15 PM - 10:20 PM	50.8	49.0	-	49.1	47.5	1.6
10:20 PM - 10:25 PM	49.4	49.2	-	38.9	46.9	-8.0
10:25 PM - 10:30 PM	48.3	48.4	-	n/a	46.3	-
10:30 PM - 10:35 PM	47.5	49.9	-	n/a	47.5	-
10:35 PM - 10:40 PM	47.4	48.5	-	n/a	47.5	-
10:40 PM - 10:45 PM	47.7	48.3	-	n/a	46.5	-
10:45 PM - 10:50 PM	49.5	48.0	-	47.2	45.7	1.5
10:50 PM - 10:55 PM	49.2	48.6	-	43.3	47.7	-4.4
10:55 PM - 11:00 PM	48.7	49.2	-	n/a	47.7	-
11:00 PM - 11:05 PM	48.7	48.7	-	n/a	47.5	-
11:05 PM - 11:10 PM	49.5	49.0	-	42.9	47.1	-4.2
11:10 PM - 11:15 PM	49.7	49.0	-	44.4	47.3	-2.9
11:15 PM - 11:20 PM	49.4	49.4	-	n/a	47.2	-
11:20 PM - 11:25 PM	49.0	49.4	-	n/a	48.0	-
11:25 PM - 11:30 PM	49.4	49.4	-	n/a	49.0	-
11:30 PM - 11:35 PM	50.0	48.8	-	46.8	47.4	-0.6
11:35 PM - 11:40 PM	50.1	49.6	-	43.5	48.0	-4.5
11:40 PM - 11:45 PM	48.6	49.8	-	n/a	47.9	-
11:45 PM - 11:50 PM	50.2	48.4	-	45.5	47.8	-2.3
11:50 PM - 11:55 PM	48.5	49.8	-	n/a	46.6	-
11:55 PM - 12:00 AM	48.4	48.6	-	n/a	47.2	-
12:00 AM - 12:05 AM	49.1	47.3	-	47.4	46.4	1.0
12:05 AM - 12:10 AM	49.9	47.7	-	48.9	46.1	2.8
12:10 AM - 12:15 AM	48.6	48.7	-	45.3	44.7	0.6
12:15 AM - 12:20 AM	49.7	47.3	-	49.0	45.9	3.1
12:20 AM - 12:25 AM	48.7	47.6	-	45.2	46.0	-0.8
12:25 AM - 12:30 AM	47.0	48.7	-	n/a	46.2	-

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TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 20



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593967-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-19
Parameter เสียงรบกวน
Location พื้นที่พัฒนาบ้านพักโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 26 - 27, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
03:50 AM - 03:55 AM	54.2	50.8	-	54.5	44.0	10.5
03:55 AM - 04:00 AM	54.4	45.7	-	44.2	12.6	-
04:00 AM - 04:05 AM	54.2	45.5	-	56.6	43.8	12.8
04:05 AM - 04:10 AM	54.7	46.1	-	57.1	43.8	13.3
04:10 AM - 04:15 AM	54.3	45.9	-	56.6	44.1	12.5
04:15 AM - 04:20 AM	55.9	48.4	-	58.4	44.2	14.2
04:20 AM - 04:25 AM	54.7	46.8	-	56.9	43.7	13.2
04:25 AM - 04:30 AM	54.8	45.9	-	57.2	43.4	13.8
04:30 AM - 04:35 AM	54.4	47.1	-	56.5	43.5	13.0
04:35 AM - 04:40 AM	53.3	47.0	-	55.1	44.0	11.1
04:40 AM - 04:45 AM	53.9	47.0	-	55.9	44.3	11.6
04:45 AM - 04:50 AM	50.6	46.9	-	51.2	44.5	6.7
04:50 AM - 04:55 AM	50.0	47.4	-	49.5	44.5	5.0
04:55 AM - 05:00 AM	50.5	47.7	-	50.3	44.5	5.8
05:00 AM - 05:05 AM	53.6	48.1	-	55.2	44.9	10.3
05:05 AM - 05:10 AM	51.6	47.4	-	52.5	44.4	8.1
05:10 AM - 05:15 AM	52.4	51.3	-	48.9	44.9	4.0
05:15 AM - 05:20 AM	51.4	47.7	-	52.0	44.4	7.6
05:20 AM - 05:25 AM	52.3	49.8	-	51.7	44.4	7.3
05:25 AM - 05:30 AM	51.5	50.3	-	48.3	45.2	3.1
05:30 AM - 05:35 AM	50.5	48.8	-	48.6	45.3	2.3
05:35 AM - 05:40 AM	50.5	49.3	-	47.3	44.6	2.7
05:40 AM - 05:45 AM	49.1	51.7	-	n/a	45.5	-
05:45 AM - 05:50 AM	50.4	53.4	-	n/a	44.3	-
05:50 AM - 05:55 AM	50.4	50.6	-	n/a	44.9	-
05:55 AM - 06:00 AM	55.8	52.7	-	55.9	44.2	11.7
06:00 AM - 07:00 AM	50.8	52.7	n/a	-	45.7	-
07:00 AM - 08:00 AM	48.4	54.5	n/a	-	45.7	-
08:00 AM - 09:00 AM	48.2	49.5	n/a	-	40.5	-
09:00 AM - 10:00 AM	45.0	48.7	n/a	-	39.1	-
10:00 AM - 11:00 AM	46.4	47.8	n/a	-	39.8	-
11:00 AM - 12:00 PM	46.6	47.5	n/a	-	40.1	-

ค่ามาตรฐาน

Reference Method :
1. ISO 1996-1
2. ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณค่าระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียงรบกวน และแบบชี้แจงการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:
1. ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 26-27 พฤษภาคม 2569
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-19 ตรวจวัดวันที่ 26-27 พฤษภาคม 2569)
3. ก/ข: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดและการรบกวนระดับเสียงขณะไม่มีการรบกวน

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593968-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-20
Parameter เสียงรบกวน
Location พื้นที่พัฒนาบ้านพักโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 27 - 28, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางคืน	กลางวัน		
12:00 PM - 01:00 PM	44.9	49.8	n/a	-	39.9	-
01:00 PM - 02:00 PM	48.2	45.5	43.3	-	39.1	4.2
02:00 PM - 03:00 PM	50.3	49.2	43.8	-	43.1	0.7
03:00 PM - 04:00 PM	51.5	51.7	n/a	-	44.2	-
04:00 PM - 05:00 PM	53.3	51.6	48.4	-	45.4	3.0
05:00 PM - 06:00 PM	49.8	52.0	n/a	-	45.7	-
06:00 PM - 07:00 PM	53.5	50.4	50.6	-	45.0	5.6
07:00 PM - 08:00 PM	52.9	53.7	n/a	-	46.8	-
08:00 PM - 09:00 PM	51.8	50.9	44.5	-	46.5	-2.0
09:00 PM - 10:00 PM	47.2	49.4	n/a	-	45.4	-
10:00 PM - 10:05 PM	46.9	48.7	-	n/a	45.5	-
10:05 PM - 10:10 PM	47.8	48.9	-	n/a	46.3	-
10:10 PM - 10:15 PM	47.1	49.6	-	n/a	46.1	-
10:15 PM - 10:20 PM	47.1	47.9	-	n/a	45.0	-
10:20 PM - 10:25 PM	47.1	47.3	-	n/a	45.2	-
10:25 PM - 10:30 PM	46.8	46.5	-	38.0	45.2	-7.2
10:30 PM - 10:35 PM	46.2	46.9	-	n/a	44.8	-
10:35 PM - 10:40 PM	45.5	46.2	-	n/a	45.1	-
10:40 PM - 10:45 PM	46.1	46.5	-	n/a	44.6	-
10:45 PM - 10:50 PM	46.6	46.7	-	n/a	44.4	-
10:50 PM - 10:55 PM	46.7	46.5	-	36.2	44.8	-8.6
10:55 PM - 11:00 PM	46.1	45.9	-	35.6	44.6	-9.0
11:00 PM - 11:05 PM	46.3	45.7	-	40.4	43.7	-11.0
11:05 PM - 11:10 PM	45.7	45.8	-	n/a	44.3	-
11:10 PM - 11:15 PM	46.3	46.2	-	32.9	43.9	-13.3
11:15 PM - 11:20 PM	45.8	46.8	-	n/a	43.9	-
11:20 PM - 11:25 PM	45.4	46.1	-	n/a	44.3	-
11:25 PM - 11:30 PM	44.3	46.8	-	n/a	43.7	-
11:30 PM - 11:35 PM	44.0	44.8	-	n/a	42.8	-
11:35 PM - 11:40 PM	43.2	45.4	-	n/a	42.9	-
11:40 PM - 11:45 PM	44.3	45.5	-	n/a	43.4	-
11:45 PM - 11:50 PM	43.6	46.4	-	n/a	44.1	-
11:50 PM - 11:55 PM	44.9	48.5	-	n/a	45.7	-
11:55 PM - 12:00 AM	45.6	47.5	-	n/a	44.5	-
12:00 AM - 12:05 AM	46.5	47.8	-	n/a	44.8	-
12:05 AM - 12:10 AM	46.7	46.6	-	33.3	44.2	-10.9
12:10 AM - 12:15 AM	47.2	48.0	-	n/a	44.2	-
12:15 AM - 12:20 AM	47.1	45.3	-	45.4	36.1	9.3
12:20 AM - 12:25 AM	46.9	45.8	-	44.0	43.7	0.3
12:25 AM - 12:30 AM	47.1	44.8	-	46.2	43.5	2.7

The above results are valid only for the analysed/heated 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

Wibab.
Wilawan Borikak
Manager

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593969-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-21
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางด่วนพิเศษโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 28 - 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	48.6	56.3	n/a	-	42.8	-
01:00 PM - 02:00 PM	50.3	51.0	n/a	-	45.1	-
02:00 PM - 03:00 PM	50.2	51.3	n/a	-	46.6	-
03:00 PM - 04:00 PM	49.9	51.1	n/a	-	44.7	-
04:00 PM - 05:00 PM	49.3	51.3	n/a	-	42.6	-
05:00 PM - 06:00 PM	48.3	51.5	n/a	-	42.8	-
06:00 PM - 07:00 PM	50.0	50.6	n/a	-	43.9	-
07:00 PM - 08:00 PM	49.0	51.5	n/a	-	46.3	-
08:00 PM - 09:00 PM	49.4	50.7	n/a	-	46.2	-
09:00 PM - 10:00 PM	49.5	51.6	n/a	-	50.9	-
10:00 PM - 10:05 PM	48.0	53.3	-	n/a	51.3	-
10:05 PM - 10:10 PM	46.8	52.8	-	n/a	48.6	-
10:10 PM - 10:15 PM	47.9	52.6	-	n/a	50.8	-
10:15 PM - 10:20 PM	48.1	52.4	-	n/a	49.9	-
10:20 PM - 10:25 PM	48.0	52.7	-	n/a	51.1	-
10:25 PM - 10:30 PM	48.4	51.5	-	n/a	43.2	-
10:30 PM - 10:35 PM	48.4	46.4	-	47.1	44.6	2.5
10:35 PM - 10:40 PM	47.6	46.6	-	43.7	44.7	-1.0
10:40 PM - 10:45 PM	49.1	46.0	-	49.2	43.7	5.5
10:45 PM - 10:50 PM	48.4	46.4	-	47.1	44.4	2.7
10:50 PM - 10:55 PM	47.3	47.4	-	n/a	45.4	-
10:55 PM - 11:00 PM	47.4	48.2	-	n/a	46.8	-
11:00 PM - 11:05 PM	48.4	48.4	-	n/a	45.8	-
11:05 PM - 11:10 PM	48.7	49.6	-	n/a	47.1	-
11:10 PM - 11:15 PM	47.9	49.8	-	n/a	47.6	-
11:15 PM - 11:20 PM	47.7	49.8	-	n/a	47.7	-
11:20 PM - 11:25 PM	46.9	51.0	-	n/a	47.9	-
11:25 PM - 11:30 PM	45.9	51.7	-	n/a	46.9	-
11:30 PM - 11:35 PM	47.6	53.2	-	n/a	48.8	-
11:35 PM - 11:40 PM	47.2	52.9	-	n/a	50.6	-
11:40 PM - 11:45 PM	47.7	52.2	-	n/a	50.2	-
11:45 PM - 11:50 PM	47.9	49.2	-	n/a	46.0	-
11:50 PM - 11:55 PM	48.3	47.6	-	43.0	45.3	-2.3
11:55 PM - 12:00 AM	47.7	46.8	-	43.4	45.1	-1.7
12:00 AM - 12:05 AM	47.7	46.7	-	43.8	44.7	-0.9
12:05 AM - 12:10 AM	47.6	47.2	-	40.0	44.3	-4.3
12:10 AM - 12:15 AM	47.3	47.4	-	n/a	44.7	-
12:15 AM - 12:20 AM	46.8	46.5	-	38.0	45.4	-7.4
12:20 AM - 12:25 AM	46.6	46.8	-	33.2	45.1	-11.9
12:25 AM - 12:30 AM	47.1	45.4	-	45.2	44.4	0.8

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593969-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-21
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางด่วนพิเศษโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 28 - 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	45.9	47.7	-	n/a	45.6	-
12:35 AM - 12:40 AM	45.6	45.9	-	n/a	44.2	-
12:40 AM - 12:45 AM	45.9	47.2	-	n/a	43.5	-
12:45 AM - 12:50 AM	45.4	45.5	-	n/a	44.7	-
12:50 AM - 12:55 AM	45.4	45.4	-	n/a	43.1	-
12:55 AM - 01:00 AM	46.2	44.2	-	n/a	44.3	1.0
01:00 AM - 01:05 AM	47.9	45.2	-	n/a	47.6	44.5
01:05 AM - 01:10 AM	47.0	44.9	-	n/a	45.8	43.3
01:10 AM - 01:15 AM	46.6	46.5	-	n/a	33.2	43.6
01:15 AM - 01:20 AM	46.4	46.2	-	n/a	44.4	43.5
01:20 AM - 01:25 AM	46.3	48.1	-	n/a	44.4	-
01:25 AM - 01:30 AM	46.1	47.9	-	n/a	44.7	-
01:30 AM - 01:35 AM	46.9	48.1	-	n/a	45.4	-
01:35 AM - 01:40 AM	47.1	47.7	-	n/a	44.6	-
01:40 AM - 01:45 AM	47.5	47.6	-	n/a	44.4	-
01:45 AM - 01:50 AM	45.3	47.6	-	n/a	44.0	-
01:50 AM - 01:55 AM	45.0	47.1	-	n/a	43.8	-
01:55 AM - 02:00 AM	45.7	47.7	-	n/a	43.3	-
02:00 AM - 02:05 AM	46.1	46.1	-	n/a	43.4	-
02:05 AM - 02:10 AM	46.0	47.0	-	n/a	43.4	-
02:10 AM - 02:15 AM	45.3	46.4	-	n/a	43.8	-
02:15 AM - 02:20 AM	45.2	46.4	-	n/a	43.7	-
02:20 AM - 02:25 AM	45.8	46.2	-	n/a	43.3	-
02:25 AM - 02:30 AM	44.7	45.6	-	n/a	43.3	-
02:30 AM - 02:35 AM	43.8	45.7	-	n/a	38.3	-
02:35 AM - 02:40 AM	43.5	45.1	-	n/a	42.4	-
02:40 AM - 02:45 AM	44.6	45.9	-	n/a	43.1	-
02:45 AM - 02:50 AM	45.7	45.5	-	n/a	42.9	-7.7
02:50 AM - 02:55 AM	44.1	48.2	-	n/a	43.2	-
02:55 AM - 03:00 AM	44.4	45.9	-	n/a	43.1	-
03:00 AM - 03:05 AM	43.9	45.2	-	n/a	42.9	-
03:05 AM - 03:10 AM	45.1	45.7	-	n/a	43.6	-
03:10 AM - 03:15 AM	47.4	45.9	-	n/a	43.5	1.6
03:15 AM - 03:20 AM	48.3	47.7	-	n/a	42.4	-0.7
03:20 AM - 03:25 AM	46.3	45.2	-	n/a	42.8	-0.1
03:25 AM - 03:30 AM	44.0	44.9	-	n/a	36.4	-7.4
03:30 AM - 03:35 AM	44.9	45.5	-	n/a	44.4	-
03:35 AM - 03:40 AM	45.2	45.8	-	n/a	44.2	-
03:40 AM - 03:45 AM	45.9	47.6	-	n/a	43.8	-
03:45 AM - 03:50 AM	45.3	46.1	-	n/a	44.9	-

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593969-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-21
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางด่วนพิเศษโครงการ (1) (N3) (GPS 47P 0746588, 1419593)
Measurement Date May 28 - 29, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 531295

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	47.3	45.7	-	45.2	43.6	1.6
03:55 AM - 04:00 AM	46.8	45.8	-	40.9	44.5	-1.6
04:00 AM - 04:05 AM	47.1	47.1	-	n/a	45.0	-
04:05 AM - 04:10 AM	47.9	46.6	-	45.0	44.9	0.1
04:10 AM - 04:15 AM	47.9	46.7	-	44.7	44.3	0.4
04:15 AM - 04:20 AM	49.4	45.7	-	50.0	43.7	6.3
04:20 AM - 04:25 AM	50.2	45.5	-	51.4	43.9	7.5
04:25 AM - 04:30 AM	49.4	45.7	-	50.0	43.7	6.3
04:30 AM - 04:35 AM	49.1	45.6	-	49.5	44.0	5.5
04:35 AM - 04:40 AM	50.1	46.3	-	50.8	42.5	8.3
04:40 AM - 04:45 AM	50.1	45.6	-	51.2	42.4	8.8
04:45 AM - 04:50 AM	48.3	46.7	-	46.2	43.7	2.5
04:50 AM - 04:55 AM	47.8	46.7	-	45.5	43.3	2.2
04:55 AM - 05:00 AM	50.2	48.0	-	49.2	43.7	5.5
05:00 AM - 05:05 AM	50.3	47.6	-	50.0	43.3	6.7
05:05 AM - 05:10 AM	48.8	47.3	-	46.5	43.9	2.6
05:10 AM - 05:15 AM	53.9	50.5	-	54.2	44.7	9.5
05:15 AM - 05:20 AM	50.0	48.7	-	47.1	45.1	2.0
05:20 AM - 05:25 AM	48.6	47.9	-	43.3	45.1	-1.8
05:25 AM - 05:30 AM	49.4	49.4	-	n/a	45.9	-
05:30 AM - 05:35 AM	55.9	50.1	-	57.6	45.1	12.5
05:35 AM - 05:40 AM	58.5	48.5	-	61.0	44.3	16.7
05:40 AM - 05:45 AM	52.2	47.8	-	53.2	44.0	9.2
05:45 AM - 05:50 AM	51.4	47.8	-	51.9	44.1	7.8
05:50 AM - 05:55 AM	51.9	52.4	-	n/a	45.4	-
05:55 AM - 06:00 AM	50.1	49.0	-	46.6	45.1	1.5
06:00 AM - 07:00 AM	50.4	53.0	n/a	-	45.6	-
07:00 AM - 08:00 AM	46.6	54.5	n/a	-	45.6	-
08:00 AM - 09:00 AM	47.3	49.5	n/a	-	39.8	-
09:00 AM - 10:00 AM	51.1	48.7	47.4	-	43.2	4.2
10:00 AM - 11:00 AM	57.2	50.0	56.3	-	41.9	14.4
11:00 AM - 12:00 PM	48.1	48.8	n/a	-	41.9	≤ 1.0

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณระดับเสียงขณะมีการรบกวน การทำนายค่าระดับเสียงรบกวน และแบบฝึกหัดการตรวจวัดเสียงรบกวน พ.ศ. 2565

หมายเหตุ: ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

- ระดับเสียงรบกวนค่าเฉลี่ย พิจารณาจากค่า ณ วันที่ 28-29 พฤษภาคม 2569
- ระดับเสียงรบกวนค่าเฉลี่ยขณะไม่มีการรบกวน (Sample No.2635084-21) พิจารณาจากค่า 28-29 พฤษภาคม 2569)
- ก/ล: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงรบกวนค่าเฉลี่ยขณะไม่มีการรบกวน

The above results are valid only for the analyzed/checked 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. A/S Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

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Analysis / Test Report



TESTING
No. 0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593970-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-22
Parameter เสียงรบกวน
Location พื้นที่พัฒนาทางด่วนพิเศษโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 22 - 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย</
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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593970-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-22
Parameter เสียงรบกวน
Location พื้นที่อาศัยทางสถานีรถไฟของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 22 - 23, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
12:25 AM - 12:30 AM	61.6	68.4	-	n/a	68.0	-
12:30 AM - 12:35 AM	61.7	68.4	-	n/a	68.0	-
12:35 AM - 12:40 AM	61.6	68.3	-	n/a	67.9	-
12:40 AM - 12:45 AM	61.5	68.0	-	n/a	67.3	-
12:45 AM - 12:50 AM	61.4	67.5	-	n/a	66.9	-
12:50 AM - 12:55 AM	61.3	67.4	-	n/a	66.9	-
12:55 AM - 01:00 AM	61.0	67.5	-	n/a	67.0	-
01:00 AM - 01:05 AM	60.5	66.9	-	n/a	65.8	-
01:05 AM - 01:10 AM	60.4	66.4	-	n/a	65.5	-
01:10 AM - 01:15 AM	60.4	66.5	-	n/a	65.9	-
01:15 AM - 01:20 AM	60.1	66.3	-	n/a	65.4	-
01:20 AM - 01:25 AM	60.1	65.9	-	n/a	65.3	-
01:25 AM - 01:30 AM	59.7	65.7	-	n/a	65.0	-
01:30 AM - 01:35 AM	59.4	67.4	-	n/a	65.1	-
01:35 AM - 01:40 AM	59.1	69.0	-	n/a	64.3	-
01:40 AM - 01:45 AM	58.8	69.8	-	n/a	64.4	-
01:45 AM - 01:50 AM	58.7	69.3	-	n/a	64.1	-
01:50 AM - 01:55 AM	57.8	69.4	-	n/a	64.4	-
01:55 AM - 02:00 AM	57.9	68.6	-	n/a	63.4	-
02:00 AM - 02:05 AM	57.7	68.1	-	n/a	62.9	-
02:05 AM - 02:10 AM	57.7	67.7	-	n/a	62.7	-
02:10 AM - 02:15 AM	57.0	67.9	-	n/a	62.4	-
02:15 AM - 02:20 AM	56.8	67.5	-	n/a	62.9	-
02:20 AM - 02:25 AM	57.0	67.3	-	n/a	62.3	-
02:25 AM - 02:30 AM	56.9	66.9	-	n/a	62.7	-
02:30 AM - 02:35 AM	56.3	62.7	-	n/a	61.8	-
02:35 AM - 02:40 AM	55.7	64.2	-	n/a	60.7	-
02:40 AM - 02:45 AM	55.9	64.2	-	n/a	60.8	-
02:45 AM - 02:50 AM	55.1	66.3	-	n/a	59.9	-
02:50 AM - 02:55 AM	54.5	61.9	-	n/a	59.2	-
02:55 AM - 03:00 AM	54.3	63.6	-	n/a	59.9	-
03:00 AM - 03:05 AM	54.3	66.5	-	n/a	60.6	-
03:05 AM - 03:10 AM	53.9	61.7	-	n/a	59.1	-
03:10 AM - 03:15 AM	53.9	61.6	-	n/a	58.1	-
03:15 AM - 03:20 AM	53.6	64.7	-	n/a	58.4	-
03:20 AM - 03:25 AM	53.1	61.5	-	n/a	58.3	-
03:25 AM - 03:30 AM	53.3	60.9	-	n/a	57.2	-
03:30 AM - 03:35 AM	53.1	62.0	-	n/a	56.7	-
03:35 AM - 03:40 AM	52.6	60.4	-	n/a	56.4	-
03:40 AM - 03:45 AM	52.6	61.3	-	n/a	56.0	-

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Approved by

Wilawan Borirak
Manager

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593970-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-22
Parameter เสียงรบกวน
Location พื้นที่อาศัยทางสถานีรถไฟของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 22 - 23, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
03:45 AM - 03:50 AM	52.1	59.9	-	n/a	56.6	-
03:50 AM - 03:55 AM	52.3	60.1	-	n/a	57.4	-
03:55 AM - 04:00 AM	53.1	57.7	-	n/a	56.3	-
04:00 AM - 04:05 AM	52.1	61.2	-	n/a	56.4	-
04:05 AM - 04:10 AM	52.2	57.3	-	n/a	55.8	-
04:10 AM - 04:15 AM	51.7	59.3	-	n/a	56.0	-
04:15 AM - 04:20 AM	51.9	55.1	-	n/a	55.1	-
04:20 AM - 04:25 AM	51.7	57.0	-	n/a	54.8	-
04:25 AM - 04:30 AM	51.6	59.7	-	n/a	56.1	-
04:30 AM - 04:35 AM	51.3	57.5	-	n/a	56.0	-
04:35 AM - 04:40 AM	51.4	59.3	-	n/a	56.0	-
04:40 AM - 04:45 AM	51.3	58.1	-	n/a	56.3	-
04:45 AM - 04:50 AM	51.5	63.7	-	n/a	56.5	-
04:50 AM - 04:55 AM	51.3	57.8	-	n/a	55.6	-
04:55 AM - 05:00 AM	51.6	56.5	-	n/a	54.3	-
05:00 AM - 05:05 AM	51.4	55.9	-	n/a	53.5	-
05:05 AM - 05:10 AM	50.6	51.6	-	n/a	49.4	-
05:10 AM - 05:15 AM	50.7	49.3	-	n/a	48.1	1.0
05:15 AM - 05:20 AM	50.2	48.4	-	n/a	46.5	1.9
05:20 AM - 05:25 AM	48.8	47.6	-	n/a	45.6	-0.4
05:25 AM - 05:30 AM	49.3	47.3	-	n/a	45.6	2.4
05:30 AM - 05:35 AM	48.8	48.1	-	n/a	44.4	-0.9
05:35 AM - 05:40 AM	66.0	47.1	-	n/a	44.6	24.3
05:40 AM - 05:45 AM	52.2	46.4	-	n/a	44.3	9.6
05:45 AM - 05:50 AM	50.5	54.2	-	n/a	44.2	6.6
05:50 AM - 05:55 AM	51.0	50.0	-	n/a	43.4	5.7
05:55 AM - 06:00 AM	47.8	44.9	-	n/a	42.5	5.2
06:00 AM - 07:00 AM	48.9	46.0	45.8	-	42.9	2.9
07:00 AM - 08:00 AM	49.7	46.3	45.1	-	40.5	4.2
08:00 AM - 09:00 AM	48.6	44.1	46.7	-	39.3	7.4
09:00 AM - 10:00 AM	49.8	43.9	48.5	-	39.3	9.2
10:00 AM - 11:00 AM	46.2	43.8	42.5	-	38.6	3.9

ค่ามาตรฐาน

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดระดับเสียงขณะมีการรบกวน การกำหนดระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565
- นพพช.

ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 22-23 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-22) จากการตรวจวัด วันที่ 22-23 พฤษภาคม 2569)
- n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงจากแหล่งกำเนิดไม่มีการตรวจวัดระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analysed/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.

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593971-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-23
Parameter เสียงรบกวน
Location พื้นที่อาศัยทางสถานีรถไฟของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
11:00 AM - 12:00 PM	46.5	43.7	43.3	-	38.5	4.8
12:00 PM - 01:00 PM	47.9	44.1	45.6	-	39.7	5.9
01:00 PM - 02:00 PM	47.3	47.7	n/a	-	41.0	-
02:00 PM - 03:00 PM	47.9	43.6	45.9	-	38.8	7.1
03:00 PM - 04:00 PM	45.9	44.7	39.7	-	38.5	1.2
04:00 PM - 05:00 PM	48.6	45.0	46.1	-	39.9	6.2
05:00 PM - 06:00 PM	52.1	44.0	51.9	-	39.8	11.6
06:00 PM - 07:00 PM	48.9	56.8	n/a	-	54.3	-
07:00 PM - 08:00 PM	56.7	60.9	n/a	-	56.4	-
08:00 PM - 09:00 PM	56.2	58.4	n/a	-	52.4	-
09:00 PM - 10:00 PM	49.3	51.7	n/a	-	47.4	-
10:00 PM - 10:05 PM	48.8	50.4	-	n/a	45.8	-
10:05 PM - 10:10 PM	50.7	46.5	-	n/a	45.4	1.4
10:10 PM - 10:15 PM	48.7	49.9	-	n/a	45.7	-
10:15 PM - 10:20 PM	48.9	51.7	-	n/a	49.1	-
10:20 PM - 10:25 PM	49.0	53.5	-	n/a	49.5	-
10:25 PM - 10:30 PM	49.3	54.6	-	n/a	51.7	-
10:30 PM - 10:35 PM	49.6	55.6	-	n/a	54.1	-
10:35 PM - 10:40 PM	49.9	57.4	-	n/a	56.1	-
10:40 PM - 10:45 PM	50.3	58.4	-	n/a	56.7	-
10:45 PM - 10:50 PM	50.5	58.4	-	n/a	57.0	-
10:50 PM - 10:55 PM	51.4	58.6	-	n/a	57.6	-
10:55 PM - 11:00 PM	51.8	59.3	-	n/a	58.3	-
11:00 PM - 11:05 PM	52.0	59.2	-	n/a	58.2	-
11:05 PM - 11:10 PM	52.1	59.5	-	n/a	58.6	-
11:10 PM - 11:15 PM	52.6	60.4	-	n/a	59.7	-
11:15 PM - 11:20 PM	52.1	60.9	-	n/a	60.0	-
11:20 PM - 11:25 PM	53.0	60.6	-	n/a	59.6	-
11:25 PM - 11:30 PM	52.9	60.6	-	n/a	60.0	-
11:30 PM - 11:35 PM	53.1	60.3	-	n/a	59.6	-
11:35 PM - 11:40 PM	52.8	60.6	-	n/a	59.8	-
11:40 PM - 11:45 PM	52.7	60.5	-	n/a	59.5	-
11:45 PM - 11:50 PM	52.7	60.8	-	n/a	60.0	-
11:50 PM - 11:55 PM	52.4	60.7	-	n/a	60.0	-
11:55 PM - 12:00 AM	52.5	60.6	-	n/a	59.7	-
12:00 AM - 12:05 AM	52.4	59.9	-	n/a	58.5	-
12:05 AM - 12:10 AM	52.4	60.0	-	n/a	59.1	-
12:10 AM - 12:15 AM	52.4	58.3	-	n/a	56.6	-
12:15 AM - 12:20 AM	52.0	58.4	-	n/a	56.5	-
12:20 AM - 12:25 AM	52.1	58.5	-	n/a	56.7	-

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593971-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-23
Parameter เสียงรบกวน
Location พื้นที่อาศัยทางสถานีรถไฟของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
12:25 AM - 12:30 AM	50.9	57.6	-	n/a	56.1	-
12:30 AM - 12:35 AM	51.3	54.0	-	n/a	51.7	-
12:35 AM - 12:40 AM	50.3	56.3	-	n/a	54.3	-
12:40 AM - 12:45 AM	50.1	54.6	-	n/a	50.4	-
12:45 AM - 12:50 AM	49.9	52.7	-	n/a	49.5	-
12:50 AM - 12:55 AM	49.7	52.6	-	n/a	50.5	-
12:55 AM - 01:00 AM	48.5	49.3	-	n/a	48.7	-
01:00 AM - 01:05 AM	48.2	52.5	-	n/a	49.2	-
01:05 AM - 01:10 AM	48.2	50.3	-	n/a	47.7	-
01:10 AM - 01:15 AM	48.4	50.0	-	n/a	47.9	-
01:15 AM - 01:20 AM	48.7	51.1	-	n/a	47.8	-
01:20 AM - 01:25 AM	48.5	50.9	-	n/a	48.0	-
01:25 AM - 01:30 AM	47.5	46.8	-	42.2	44.9	-
01:30 AM - 01:35 AM	48.3	47.4	-	44.0	44.2	-2.7
01:35 AM - 01:40 AM	48.1	49.3	-	44.2	44.2	-
01:40 AM - 01:45 AM	47.8	46.2	-	45.7	43.8	1.9
01:45 AM - 01:50 AM	47.4	46.2	-	44.2	44.0	0.2
01:50 AM - 01:55 AM	47.9	47.9	-	44.2	44.2	-
01:55 AM - 02:00 AM	47.4	46.1	-	44.5	44.4	0.1
02:00 AM - 02:05 AM	47.2	46.4	-	42.5	44.8	-2.3
02:05 AM - 02:10 AM	47.3	46.2	-	43.8	44.8	-1.0
02:10 AM - 02:15 AM	46.5	46.6	-	44.2	44.2	-
02:15 AM - 02:20 AM	47.1	47.1	-	n/a	44.9	-
02:20 AM - 02:25 AM	46.8	47.4	-	n/a	44.8	-
02:25 AM - 02:30 AM	51.7	47.4	-	52.7	44.6	8.4
02:30 AM - 02:35 AM	45.9	47.5	-	n/a	41.8	-
02:35 AM - 02:40 AM	46.0	42.6	-	46.3	41.2	5.1
02:40 AM - 02:45 AM	45.7	48.0	-	n/a	42.0	-
02:45 AM - 02:50 AM	45.4	44.8	-	39.5	42.5	2.9
02:50 AM - 02:55 AM	45.1	46.8	-	n/a	41.7	-
02:55 AM - 03:00 AM	45.3	45.4	-	n/a	41.7	-
03:00 AM - 03:05 AM	45.5	43.4	-	44.3	41.9	2.4
03:05 AM - 03:10 AM	45.7	43.8	-	39.1	41.8	-3.7
03:10 AM - 03:15 AM	45.2	43.6	-	43.1	41.7	1.4
03:15 AM - 03:20 AM	46.2	45.4	-	41.5	42.2	-0.7
03:20 AM - 03:25 AM	48.2	46.4	-	46.5	42.1	6.1
03:25 AM - 03:30 AM	48.0	44.9	-	48.1	42.5	5.6
03:30 AM - 03:35 AM	48.4	44.9	-	48.8	42.1	6.7
03:35 AM - 03:40 AM	48.4	43.7	-	49.6	42.2	7.4
03:40 AM - 03:45 AM	48.0	41.8	-	48.8	42.3	6.8



Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593972-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-23
Parameter เสียงรบกวน
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 23 - 24, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
03:45 AM - 03:50 AM	47.7	43.0	-	48.9	42.0	6.9
03:50 AM - 03:55 AM	48.2	43.0	-	49.6	42.0	7.6
03:55 AM - 04:00 AM	48.3	41.8	-	48.7	42.6	6.1
04:00 AM - 04:05 AM	47.0	44.4	-	46.5	43.2	3.3
04:05 AM - 04:10 AM	46.9	44.2	-	46.6	43.1	3.5
04:10 AM - 04:15 AM	46.7	43.6	-	46.8	42.6	4.2
04:15 AM - 04:20 AM	46.0	43.4	-	43.4	43.0	0.4
04:20 AM - 04:25 AM	45.5	45.6	-	n/a	44.7	-
04:25 AM - 04:30 AM	44.8	45.5	-	n/a	44.5	-
04:30 AM - 04:35 AM	45.1	45.8	-	n/a	44.6	-
04:35 AM - 04:40 AM	45.4	46.1	-	n/a	44.6	-
04:40 AM - 04:45 AM	46.3	47.6	-	n/a	45.6	-
04:45 AM - 04:50 AM	46.4	46.9	-	n/a	45.7	-
04:50 AM - 04:55 AM	46.3	46.8	-	n/a	45.8	-
04:55 AM - 05:00 AM	46.2	47.5	-	n/a	45.5	-
05:00 AM - 05:05 AM	45.4	46.8	-	n/a	45.0	-
05:05 AM - 05:10 AM	44.8	48.3	-	n/a	45.0	-
05:10 AM - 05:15 AM	45.4	47.2	-	n/a	44.7	-
05:15 AM - 05:20 AM	48.4	46.4	-	47.1	43.5	3.6
05:20 AM - 05:25 AM	46.5	47.0	-	n/a	43.8	-
05:25 AM - 05:30 AM	49.3	47.8	-	47.0	44.3	2.7
05:30 AM - 05:35 AM	47.4	47.8	-	n/a	44.4	-
05:35 AM - 05:40 AM	47.6	47.3	-	38.8	43.9	-5.1
05:40 AM - 05:45 AM	50.6	46.0	-	51.8	43.0	8.8
05:45 AM - 05:50 AM	53.5	49.2	-	54.5	43.2	10.7
05:50 AM - 05:55 AM	50.6	46.5	-	51.5	43.2	8.3
05:55 AM - 06:00 AM	53.2	52.0	-	50.0	43.1	6.9
06:00 AM - 07:00 AM	53.4	54.8	n/a	-	48.3	-
07:00 AM - 08:00 AM	53.1	58.1	n/a	-	-	-
08:00 AM - 09:00 AM	57.4	57.7	n/a	-	50.0	-
09:00 AM - 10:00 AM	55.4	52.8	51.9	-	47.3	4.6
10:00 AM - 11:00 AM	50.1	45.3	48.4	-	40.8	7.6

ค่ามาตรฐาน

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณค่าระดับเสียงขณะมีการรบกวน การกำหนดระดับการรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565
- กฎ: ไม่สามารถหาข้อมูลระดับเสียงขณะมีการรบกวนได้ เนื่องจากข้อมูลเสียงรบกวนเหล่านี้ได้ถูกบันทึกการวัดระดับเสียงขณะไม่มีการรบกวน

ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 23-24 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-23) มีการตรวจวัด วันที่ 23-24 พฤษภาคม 2569
- กฎ: ไม่สามารถหาข้อมูลระดับเสียงขณะมีการรบกวนได้ เนื่องจากข้อมูลเสียงรบกวนเหล่านี้ได้ถูกบันทึกการวัดระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analysed/sampled 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

Wilawan Boririk
Manager

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593972-2

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-24
Parameter เสียงรบกวน
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 24 - 25, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
11:00 AM - 12:00 PM	58.9	61.9	n/a	-	55.2	-
12:00 PM - 01:00 PM	50.7	47.9	-	47.5	-	42.4
01:00 PM - 02:00 PM	45.3	43.4	40.8	-	37.4	3.4
02:00 PM - 03:00 PM	49.2	43.7	47.8	-	38.1	9.7
03:00 PM - 04:00 PM	49.1	45.1	46.9	-	38.8	8.1
04:00 PM - 05:00 PM	48.7	43.7	47.0	-	38.3	8.7
05:00 PM - 06:00 PM	46.1	43.2	43.0	-	38.9	4.1
06:00 PM - 07:00 PM	46.1	47.7	n/a	-	45.1	-
07:00 PM - 08:00 PM	49.6	51.1	n/a	-	48.8	-
08:00 PM - 09:00 PM	50.0	49.7	38.2	-	46.8	-6.6
09:00 PM - 10:00 PM	51.1	50.1	44.2	-	48.3	-4.1
10:00 PM - 10:05 PM	50.0	49.9	-	36.6	48.5	-11.9
10:05 PM - 10:10 PM	49.4	49.8	-	n/a	48.4	-
10:10 PM - 10:15 PM	47.4	49.7	-	n/a	48.4	-
10:15 PM - 10:20 PM	49.6	49.2	-	42.0	48.2	-6.2
10:20 PM - 10:25 PM	51.7	49.1	-	51.2	48.0	3.2
10:25 PM - 10:30 PM	50.7	49.7	-	46.8	48.6	-1.8
10:30 PM - 10:35 PM	49.8	49.2	-	43.9	48.5	-4.6
10:35 PM - 10:40 PM	49.9	49.1	-	45.2	48.3	-3.1
10:40 PM - 10:45 PM	50.4	49.2	-	47.2	48.4	-1.2
10:45 PM - 10:50 PM	50.2	49.8	-	43.6	48.8	-6.2
10:50 PM - 10:55 PM	49.9	48.6	-	47.0	47.4	-0.4
10:55 PM - 11:00 PM	49.1	48.2	-	44.8	47.2	-2.4
11:00 PM - 11:05 PM	46.9	48.5	-	n/a	47.4	-
11:05 PM - 11:10 PM	46.8	48.2	-	n/a	47.7	-
11:10 PM - 11:15 PM	46.5	48.1	-	n/a	47.2	-
11:15 PM - 11:20 PM	46.8	48.8	-	n/a	47.5	-
11:20 PM - 11:25 PM	45.3	46.6	-	n/a	44.8	-
11:25 PM - 11:30 PM	44.3	47.1	-	n/a	45.1	-
11:30 PM - 11:35 PM	45.9	48.0	-	n/a	44.7	-
11:35 PM - 11:40 PM	48.0	45.9	-	46.8	44.3	2.5
11:40 PM - 11:45 PM	44.0	45.6	-	44.4	43.3	1.1
11:45 PM - 11:50 PM	55.0	45.6	-	57.5	43.8	13.7
11:50 PM - 11:55 PM	46.7	45.6	-	43.2	43.5	-0.3
11:55 PM - 12:00 AM	46.3	47.1	-	n/a	45.1	-
12:00 AM - 12:05 AM	43.7	46.7	-	n/a	45.7	-
12:05 AM - 12:10 AM	43.7	46.5	-	n/a	45.9	-
12:10 AM - 12:15 AM	43.6	46.8	-	n/a	46.0	-
12:15 AM - 12:20 AM	44.4	46.6	-	n/a	46.1	-
12:20 AM - 12:25 AM	44.7	46.0	-	n/a	45.4	-

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593973-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-25
Parameter เสียงรบกวน
Location พื้นที่ก่อสร้างด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	46.7	43.9	43.5	-	38.7	4.8
12:00 PM - 01:00 PM	47.1	43.4	44.7	-	39.8	5.9
01:00 PM - 02:00 PM	46.6	42.9	44.2	-	38.8	5.4
02:00 PM - 03:00 PM	47.1	44.2	44.0	-	38.3	5.7
03:00 PM - 04:00 PM	46.7	44.6	42.5	-	39.0	3.5
04:00 PM - 05:00 PM	50.4	46.4	48.2	-	39.9	8.3
05:00 PM - 06:00 PM	48.6	44.3	46.5	-	40.1	6.5
06:00 PM - 07:00 PM	48.7	50.8	n/a	-	45.9	-
07:00 PM - 08:00 PM	46.7	49.8	n/a	-	47.0	-
08:00 PM - 09:00 PM	47.9	49.6	n/a	-	46.6	-
09:00 PM - 10:00 PM	49.9	47.5	-	-	44.8	1.4
10:00 PM - 11:00 PM	47.2	48.4	-	-	45.1	-
10:05 PM - 10:10 PM	52.2	48.4	-	-	45.4	7.5
10:10 PM - 10:15 PM	49.2	47.6	-	-	47.1	45.6
10:15 PM - 10:20 PM	48.8	48.9	-	-	46.5	-6.5
10:20 PM - 10:25 PM	48.4	48.9	-	-	45.8	-
10:25 PM - 10:30 PM	49.7	47.7	-	-	45.2	3.2
10:30 PM - 10:35 PM	48.7	48.6	-	-	35.3	44.8
10:35 PM - 10:40 PM	47.5	47.7	-	-	n/a	44.6
10:40 PM - 10:45 PM	47.9	47.9	-	-	n/a	43.9
10:45 PM - 10:50 PM	45.0	47.3	-	-	43.1	-
10:50 PM - 10:55 PM	44.7	45.1	-	-	n/a	41.6
10:55 PM - 11:00 PM	45.0	47.2	-	-	n/a	43.6
11:00 PM - 11:05 PM	45.3	59.5	-	-	n/a	49.6
11:05 PM - 11:10 PM	45.0	51.3	-	-	n/a	43.7
11:10 PM - 11:15 PM	56.0	47.3	-	-	58.4	41.9
11:15 PM - 11:20 PM	63.2	48.2	-	-	66.1	41.7
11:20 PM - 11:25 PM	46.4	46.3	-	-	32.0	42.2
11:25 PM - 11:30 PM	44.9	45.2	-	-	n/a	41.6
11:30 PM - 11:35 PM	43.5	47.0	-	-	n/a	41.9
11:35 PM - 11:40 PM	44.0	46.2	-	-	n/a	41.9
11:40 PM - 11:45 PM	43.3	47.4	-	-	n/a	42.3
11:45 PM - 11:50 PM	43.7	47.9	-	-	n/a	42.6
11:50 PM - 11:55 PM	43.1	47.7	-	-	n/a	43.1
11:55 PM - 12:00 AM	43.7	47.9	-	-	n/a	43.3
12:00 AM - 12:05 AM	43.3	47.1	-	-	n/a	42.6
12:05 AM - 12:10 AM	44.7	46.4	-	-	n/a	42.2
12:10 AM - 12:15 AM	43.4	46.9	-	-	n/a	42.0
12:15 AM - 12:20 AM	42.6	45.1	-	-	n/a	41.8
12:20 AM - 12:25 AM	43.3	46.6	-	-	n/a	42.3

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593973-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-25
Parameter เสียงรบกวน
Location พื้นที่ก่อสร้างด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	43.3	48.3	-	-	n/a	42.8
12:30 AM - 12:35 AM	42.8	48.3	-	-	n/a	42.6
12:35 AM - 12:40 AM	43.0	47.2	-	-	n/a	42.5
12:40 AM - 12:45 AM	43.5	46.0	-	-	n/a	41.8
12:45 AM - 12:50 AM	43.1	43.4	-	-	n/a	42.0
12:50 AM - 12:55 AM	44.9	45.9	-	-	n/a	41.5
12:55 AM - 01:00 AM	44.4	44.5	-	-	n/a	42.2
01:00 AM - 01:05 AM	44.2	46.1	-	-	n/a	42.4
01:05 AM - 01:10 AM	44.5	47.4	-	-	n/a	42.4
01:10 AM - 01:15 AM	44.5	44.6	-	-	n/a	42.5
01:15 AM - 01:20 AM	45.7	45.1	-	-	39.8	42.5
01:20 AM - 01:25 AM	45.4	42.8	-	-	44.9	42.2
01:25 AM - 01:30 AM	43.9	45.2	-	-	n/a	42.4
01:30 AM - 01:35 AM	44.1	44.3	-	-	n/a	42.5
01:35 AM - 01:40 AM	45.2	43.8	-	-	42.6	41.4
01:40 AM - 01:45 AM	45.2	43.1	-	-	44.0	42.3
01:45 AM - 01:50 AM	45.9	42.4	-	-	46.3	41.7
01:50 AM - 01:55 AM	45.4	44.1	-	-	42.5	42.6
01:55 AM - 02:00 AM	45.7	43.9	-	-	44.0	42.1
02:00 AM - 02:05 AM	45.5	42.8	-	-	45.2	41.4
02:05 AM - 02:10 AM	44.7	41.2	-	-	44.1	41.2
02:10 AM - 02:15 AM	44.2	41.9	-	-	43.3	41.2
02:15 AM - 02:20 AM	45.6	44.3	-	-	42.7	41.3
02:20 AM - 02:25 AM	46.5	46.2	-	-	37.7	43.5
02:25 AM - 02:30 AM	46.0	44.3	-	-	44.3	42.9
02:30 AM - 02:35 AM	46.1	42.4	-	-	46.7	41.4
02:35 AM - 02:40 AM	46.0	43.0	-	-	46.0	40.8
02:40 AM - 02:45 AM	45.8	43.1	-	-	45.5	41.5
02:45 AM - 02:50 AM	45.3	43.0	-	-	44.4	41.7
02:50 AM - 02:55 AM	45.1	42.2	-	-	45.0	40.7
02:55 AM - 03:00 AM	44.4	42.0	-	-	43.7	40.8
03:00 AM - 03:05 AM	44.8	42.3	-	-	44.2	41.3
03:05 AM - 03:10 AM	45.6	42.6	-	-	44.6	40.7
03:10 AM - 03:15 AM	45.6	42.7	-	-	45.5	40.8
03:15 AM - 03:20 AM	44.3	42.0	-	-	43.4	40.9
03:20 AM - 03:25 AM	44.8	42.4	-	-	44.8	41.8
03:25 AM - 03:30 AM	45.0	43.0	-	-	43.7	41.4
03:30 AM - 03:35 AM	45.2	44.0	-	-	42.0	42.2
03:35 AM - 03:40 AM	45.3	43.3	-	-	44.0	42.0
03:40 AM - 03:45 AM	44.9	42.2	-	-	44.6	41.2

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Approved by

Wilawan Borirak
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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593973-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-25
Parameter เสียงรบกวน
Location พื้นที่ก่อสร้างด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 25 - 26, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	44.7	42.3	-	-	44.0	2.6
03:50 AM - 03:55 AM	43.2	43.0	-	-	42.9	-9.2
03:55 AM - 04:00 AM	44.2	43.8	-	-	36.6	5.4
04:00 AM - 04:05 AM	44.5	43.3	-	-	41.3	42.4
04:05 AM - 04:10 AM	45.5	43.7	-	-	43.8	42.7
04:10 AM - 04:15 AM	45.7	44.2	-	-	43.4	0.4
04:15 AM - 04:20 AM	44.2	43.6	-	-	38.3	42.8
04:20 AM - 04:25 AM	44.9	44.8	-	-	31.5	43.5
04:25 AM - 04:30 AM	44.9	44.6	-	-	36.1	43.5
04:30 AM - 04:35 AM	44.1	45.6	-	-	40.0	42.7
04:35 AM - 04:40 AM	44.9	44.6	-	-	36.1	43.2
04:40 AM - 04:45 AM	45.0	44.6	-	-	37.4	43.3
04:45 AM - 04:50 AM	48.2	44.6	-	-	48.7	43.2
04:50 AM - 04:55 AM	45.9	44.2	-	-	40.0	42.9
04:55 AM - 05:00 AM	45.0	45.3	-	-	n/a	43.0
05:00 AM - 05:05 AM	44.7	44.1	-	-	38.8	43.0
05:05 AM - 05:10 AM	45.1	46.6	-	-	n/a	44.0
05:10 AM - 05:15 AM	46.1	49.7	-	-	n/a	46.3
05:15 AM - 05:20 AM	45.7	47.6	-	-	n/a	44.9
05:20 AM - 05:25 AM	49.4	46.6	-	-	49.2	44.4
05:25 AM - 05:30 AM	50.7	45.6	-	-	51.1	43.6
05:30 AM - 05:35 AM	47.9	46.0	-	-	46.4	43.3
05:35 AM - 05:40 AM	48.1	46.4	-	-	46.2	43.0
05:40 AM - 05:45 AM	51.8	46.3	-	-	53.4	42.2
05:45 AM - 05:50 AM	54.8	44.3	-	-	57.4	41.9
05:50 AM - 05:55 AM	48.9	45.2	-	-	49.5	42.1
05:55 AM - 06:00 AM	53.3	49.6	-	-	53.9	41.3
06:00 AM - 07:00 AM	52.5	47.7	-	-	50.8	42.6
07:00 AM - 08:00 AM	50.6	47.6	-	-	47.6	39.8
08:00 AM - 09:00 AM	49.6	48.7	-	-	38.0	4.3
09:00 AM - 10:00 AM	46.0	45.7	34.2	-	39.2	-5.0
10:00 AM - 11:00 AM	48.1	49.0	n/a	-	-	≤10

Reference Method :

- ISO 1996-1
 - ประกาศคณะกรรมการควบคุมเสียงรบกวน เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณระดับเสียงขณะมีการรบกวน การกำหนดระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565
 - มาตรฐาน ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน
- Remark:
- ระดับเสียงรบกวนค่าเฉลี่ย 1 ชั่วโมง ตรวจวัด วันที่ 25-26 พฤษภาคม 2569
 - ระดับเสียงรบกวนระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-25) ตรวจวัด วันที่ 25-26 พฤษภาคม 2569
 3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากระดับเสียงรบกวนค่าเฉลี่ยตรวจวัดเสียงขณะไม่มีการรบกวน

The above results are valid only for the analysed/checked 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. A.S.Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak
Manager

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593974-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-26
Parameter เสียงรบกวน
Location พื้นที่ก่อสร้างด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 26 - 27, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ยการรบกวน
			กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	46.0	52.8	n/a	-	38.7	-
12:00 PM - 01:00 PM	48.1	47.9	34.6	-	40.6	-6.0
01:00 PM - 02:00 PM	50.4	50.4	49.6	-	39.6	3.9
02:00 PM - 03:00 PM	50.1	51.0	-	-	39.1	-
03:00 PM - 04:00 PM	47.0	53.2	n/a	-	39.0	-
04:00 PM - 05:00 PM	48.6	52.0	n/a	-	38.8	-
05:00 PM - 06:00 PM	51.3	48.0	48.0	-	39.0	9.6
06:00 PM - 07:00 PM	48.8	49.1	n/a	-	45.0	-
07:00 PM - 08:00 PM	49.1	48.5	40.2	-	46.0	-5.8
08:00 PM - 09:00 PM	47.7	47.8	n/a	-	45.3	-
09:00 PM - 10:00 PM	48.0	47.1	48.0	-	43.6	-
10:00 PM - 10:05 PM	46.9	46.9	-	n/a	43.5	-
10:05 PM - 10:10 PM	54.5	48.4	-	56.3	44.0	12.3
10:10 PM - 10:15 PM	45.1	47.8	-	n/a	44.0	-
10:15 PM - 10:20 PM	45.8	47.5	-	n/a	43.6	-
10:20 PM - 10:25 PM	45.5	46.7	-	49.3	43.7	5.6
10:25 PM - 10:30 PM	45.8	47.9	-	n/a	43.9	-
10:30 PM - 10:35 PM	45.9	46.4	-	n/a	42.8	-
10:35 PM - 10:40 PM	44.8	48.6	-	n/a	43.4	-
10:40 PM - 10:45 PM	45.5	46.6	-	n/a	43.4	-
10:45 PM - 10:50 PM	45.0	46.7	-	n/a	43.3	-
10:50 PM - 10:55 PM	44.6	49.5	-	n/a	46.8	-
10:55 PM - 11:00 PM	46.0	47.6	-	n/a	43.2	-
11:00 PM - 11:05 PM	47.0	49.3	-	n/a	44.9	-
11:05 PM - 11:10 PM	48.0	49.0	-	n/a	43.0	-
11:10 PM - 11:15 PM	47.5	43.6	-	48.2	41.4	6.8
11:15 PM - 11:20 PM	48.1	43.3	-	49.4	41.7	7.7
11:20 PM - 11:25 PM	47.4	48.0	-	n/a	42.5	-
11:25 PM - 11:30 PM	44.0	44.2	-	n/a	42.6	-
11:30 PM - 11:35 PM	46.0	47.5	-	n/a	42.8	-
11:35 PM - 11:40 PM	46.9	44.8	-	45.7	42.5	3.2
11:40 PM - 11:45 PM	45.4	45.0	-	48.7	42.5	6.6
11:45 PM - 11:50 PM	45.4	46.6	-	n/a	43.5	-
11:50 PM - 11:55 PM	45.2	46.2	-	n/a	43.7	-
11:55 PM - 12:00 AM	46.7	48.8	-	n/a	43.5	-
12:00 AM - 12:05 AM	46.0	48.4	-	n/a	43.0	-
12:05 AM - 12:10 AM	46.4	48.4	-	n/a	44.0	-
12:10 AM - 12:15 AM	48.0	49.0	-	n/a	45.8	-
12:15 AM - 12:20 AM	48.2	46.7	-	n/a	44.9	-
12:20 AM - 12:25 AM	48.3	43.6	-	43.6	43.1	0.5



Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593974-1

P/O : 54260198

Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-26
Parameter เสียงรบกวน
Location ที่พักอาศัยทางบ้านที่โครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 26 - 27, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	48.4	46.8	-	46.3	43.4	2.9
12:30 AM - 12:35 AM	47.7	44.5	-	47.9	41.8	6.1
12:35 AM - 12:40 AM	47.4	43.8	-	47.3	40.7	7.2
12:40 AM - 12:45 AM	46.5	43.9	-	46.0	40.8	5.2
12:45 AM - 12:50 AM	44.5	45.6	-	n/a	40.8	-
12:50 AM - 12:55 AM	45.3	44.1	-	42.1	41.3	0.8
12:55 AM - 01:00 AM	45.9	43.7	-	44.9	41.0	3.9
01:00 AM - 01:05 AM	45.3	44.5	-	40.6	41.0	-0.4
01:05 AM - 01:10 AM	45.6	43.1	-	45.0	40.4	4.6
01:10 AM - 01:15 AM	44.7	42.2	-	41.1	40.2	3.2
01:15 AM - 01:20 AM	44.7	44.4	-	35.9	40.7	-4.8
01:20 AM - 01:25 AM	43.7	44.0	-	n/a	41.2	-
01:25 AM - 01:30 AM	43.6	43.3	-	34.8	41.1	-6.3
01:30 AM - 01:35 AM	44.7	41.1	-	45.2	39.7	5.5
01:35 AM - 01:40 AM	43.7	41.5	-	42.7	39.6	3.1
01:40 AM - 01:45 AM	44.6	42.3	-	43.7	39.8	3.9
01:45 AM - 01:50 AM	43.4	41.9	-	41.1	40.0	1.1
01:50 AM - 01:55 AM	43.3	41.0	-	42.4	39.4	3.0
01:55 AM - 02:00 AM	42.9	42.0	-	38.6	39.3	-0.7
02:00 AM - 02:05 AM	42.6	42.0	-	36.7	40.2	-3.5
02:05 AM - 02:10 AM	42.2	45.2	-	n/a	41.6	-
02:10 AM - 02:15 AM	44.2	43.6	-	38.3	41.9	-3.6
02:15 AM - 02:20 AM	43.7	42.8	-	39.4	41.4	-2.0
02:20 AM - 02:25 AM	49.7	45.7	-	50.5	42.7	7.8
02:25 AM - 02:30 AM	48.2	43.5	-	41.5	42.5	-
02:30 AM - 02:35 AM	42.9	43.4	-	n/a	42.5	-
02:35 AM - 02:40 AM	43.7	43.6	-	30.3	42.7	-12.4
02:40 AM - 02:45 AM	42.2	44.0	-	n/a	42.9	-
02:45 AM - 02:50 AM	42.1	43.5	-	n/a	39.6	-
02:50 AM - 02:55 AM	42.4	43.5	-	n/a	42.3	-
02:55 AM - 03:00 AM	43.5	45.1	-	n/a	42.4	-
03:00 AM - 03:05 AM	43.6	44.2	-	n/a	42.3	-
03:05 AM - 03:10 AM	43.2	43.3	-	n/a	42.7	-
03:10 AM - 03:15 AM	43.6	42.9	-	38.3	42.1	-3.8
03:15 AM - 03:20 AM	43.6	43.6	-	n/a	42.3	-
03:20 AM - 03:25 AM	42.8	42.8	-	41.2	42.4	-
03:25 AM - 03:30 AM	43.1	43.8	-	n/a	42.7	-
03:30 AM - 03:35 AM	43.5	42.9	-	37.6	42.1	-4.5
03:35 AM - 03:40 AM	44.0	42.4	-	41.9	41.3	0.6
03:40 AM - 03:45 AM	43.3	42.8	-	36.7	41.0	-4.3

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Wibab.

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Analysis / Test Report



TESTING

No.0042

Client : WHA Industrial Development Public Company Limited
, Bangkok-Nonglak Rd., Nonglak, Bangkok, Rayong Thailand 21120

Lot ID: 2635083
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3593974-1

P/O : 54260198

Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-26
Parameter เสียงรบกวน
Location ที่พักอาศัยทางบ้านที่โครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 26 - 27, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	43.9	41.7	-	37.3	40.3	-3.0
03:50 AM - 03:55 AM	45.1	43.4	-	45.3	40.7	4.6
03:55 AM - 04:00 AM	43.4	41.7	-	41.5	40.6	0.9
04:00 AM - 04:05 AM	43.2	41.5	-	41.3	40.4	0.9
04:05 AM - 04:10 AM	43.7	41.9	-	42.0	40.7	1.3
04:10 AM - 04:15 AM	43.8	42.0	-	42.1	41.0	1.1
04:15 AM - 04:20 AM	44.0	42.4	-	41.9	41.4	0.5
04:20 AM - 04:25 AM	44.1	43.0	-	40.6	41.3	-0.7
04:25 AM - 04:30 AM	43.3	42.5	-	38.6	41.5	-2.9
04:30 AM - 04:35 AM	43.6	42.8	-	38.9	41.5	-2.6
04:35 AM - 04:40 AM	43.7	42.5	-	40.1	41.5	7.6
04:40 AM - 04:45 AM	44.9	42.9	-	42.6	41.8	1.8
04:45 AM - 04:50 AM	44.8	43.1	-	42.9	41.9	1.0
04:50 AM - 04:55 AM	44.8	43.2	-	42.7	41.7	1.0
04:55 AM - 05:00 AM	45.4	44.0	-	42.8	42.3	0.5
05:00 AM - 05:05 AM	45.4	44.5	-	41.1	43.1	-2.0
05:05 AM - 05:10 AM	45.8	52.8	-	n/a	43.6	-
05:10 AM - 05:15 AM	46.5	49.2	-	n/a	44.1	-
05:15 AM - 05:20 AM	46.1	45.0	-	42.6	43.1	-0.5
05:20 AM - 05:25 AM	49.0	46.2	-	48.8	43.2	5.6
05:25 AM - 05:30 AM	47.2	46.5	-	n/a	42.5	-
05:30 AM - 05:35 AM	48.3	47.9	-	40.7	42.3	-1.6
05:35 AM - 05:40 AM	47.1	49.7	-	n/a	42.8	-
05:40 AM - 05:45 AM	50.0	44.6	-	51.5	41.4	10.8
05:45 AM - 05:50 AM	53.7	41.9	-	56.9	42.2	13.8
05:50 AM - 05:55 AM	50.4	45.6	-	51.7	40.9	10.8
05:55 AM - 06:00 AM	48.4	44.4	-	49.2	41.4	7.8
06:00 AM - 07:00 AM	51.5	54.4	n/a	-	41.1	-
07:00 AM - 08:00 AM	50.7	53.1	n/a	-	40.8	-
08:00 AM - 09:00 AM	47.3	51.1	n/a	-	36.6	-
09:00 AM - 10:00 AM	47.8	44.8	44.8	-	36.5	8.3
10:00 AM - 11:00 AM	46.3	46.5	n/a	-	37.8	≤ 10

Reference Method :

- ISO 1996-1
- ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณระดับเสียงขณะมีการรบกวน การคำนวณหาระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565

มาตรฐาน

ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน

Remark:

- ระดับเสียงจากแหล่งกำเนิด จากการตรวจวัด วันที่ 26-27 พฤษภาคม 2569
- ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-26 วันที่ตรวจวัด 26-27 พฤษภาคม 2569)
- หมายเหตุ: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนได้ เนื่องจากข้อเสียงจากแหล่งกำเนิดมีการรบกวนระดับเสียงขณะไม่มีการรบกวน

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. A.S. Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wibab.

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Manager

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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593975-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 3 of 3

Sample No. 2635083-27
Parameter เสียงรบกวน
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 27 - 28, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
03:45 AM - 03:50 AM	42.2	42.6	-	n/a	40.9	-
03:50 AM - 03:55 AM	42.6	42.1	-	36.0	40.7	-4.7
03:55 AM - 04:00 AM	43.1	41.7	-	40.5	40.2	0.3
04:00 AM - 04:05 AM	43.1	42.3	-	38.4	40.0	-1.6
04:05 AM - 04:10 AM	43.3	44.1	-	n/a	41.2	-
04:10 AM - 04:15 AM	43.9	44.2	-	n/a	40.7	-
04:15 AM - 04:20 AM	44.9	44.8	-	31.5	40.9	-9.4
04:20 AM - 04:25 AM	45.0	45.3	-	n/a	40.9	-
04:25 AM - 04:30 AM	44.8	46.0	-	n/a	40.9	-
04:30 AM - 04:35 AM	44.6	46.6	-	n/a	41.5	-
04:35 AM - 04:40 AM	46.3	46.3	-	n/a	41.7	-
04:40 AM - 04:45 AM	46.3	44.0	-	45.4	41.3	4.1
04:45 AM - 04:50 AM	46.1	46.3	-	n/a	42.5	-
04:50 AM - 04:55 AM	45.4	45.1	-	36.6	41.9	-3.3
04:55 AM - 05:00 AM	47.8	43.5	-	48.8	42.2	6.6
05:00 AM - 05:05 AM	47.1	44.7	-	46.4	42.5	3.9
05:05 AM - 05:10 AM	47.3	45.0	-	46.4	42.6	3.8
05:10 AM - 05:15 AM	47.3	44.5	-	47.1	42.4	4.7
05:15 AM - 05:20 AM	47.5	48.3	-	n/a	41.9	-
05:20 AM - 05:25 AM	48.0	45.1	-	47.9	43.0	4.9
05:25 AM - 05:30 AM	49.6	52.8	-	n/a	41.7	-
05:30 AM - 05:35 AM	52.0	51.2	-	47.3	42.4	4.9
05:35 AM - 05:40 AM	49.4	60.6	-	n/a	43.1	-
05:40 AM - 05:45 AM	48.9	44.5	-	49.9	42.3	7.6
05:45 AM - 05:50 AM	49.8	49.9	-	43.5	42.7	3.0
05:50 AM - 05:55 AM	51.8	45.4	-	53.7	42.2	11.5
05:55 AM - 06:00 AM	48.8	47.8	-	44.9	42.2	2.7
06:00 AM - 07:00 AM	50.5	48.3	46.5	-	40.8	5.7
07:00 AM - 08:00 AM	48.2	45.4	45.0	-	38.3	6.5
08:00 AM - 09:00 AM	47.9	48.3	n/a	-	39.3	-
09:00 AM - 10:00 AM	47.3	57.5	n/a	-	48.8	-
10:00 AM - 11:00 AM	47.2	51.6	n/a	-	39.6	-
ค่ามาตรฐาน						≤ 10

Reference Method :

- ISO 1996-1
 - ประกาศคณะกรรมการควบคุมมลพิษ เรื่อง วิธีการตรวจวัดระดับเสียงพื้นฐาน ระดับเสียงขณะไม่มีการรบกวน การตรวจวัดและคำนวณค่าระดับเสียงขณะมีการรบกวน การคำนวณค่าระดับเสียงรบกวน และแบบบันทึกการตรวจวัดเสียงรบกวน พ.ศ. 2565
 - กฎกระทรวงกำหนดค่าระดับเสียงรบกวน พ.ศ. 2550
- หมายเหตุ : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 29 (พ.ศ.2550) เรื่อง ค่าระดับเสียงรบกวน
- Remark:
- ระดับเสียงจากแหล่งกำเนิด มีการตรวจวัด วันที่ 27-28 พฤษภาคม 2569
 - ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2635084-27 วันตรวจวัด 27-28 พฤษภาคม 2569)
 - กฎกระทรวงกำหนดค่าระดับเสียงรบกวน พ.ศ. 2550

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Wibawan Borik
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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593976-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 1 of 3

Sample No. 2635083-28
Parameter เสียงรบกวน
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 28 - 29, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
11:00 AM - 12:00 PM	46.4	54.3	n/a	-	40.0	-
12:00 PM - 01:00 PM	52.4	46.3	51.2	-	38.9	12.4
01:00 PM - 02:00 PM	49.0	44.0	47.3	-	39.3	8.0
02:00 PM - 03:00 PM	46.0	43.1	42.9	-	38.9	4.0
03:00 PM - 04:00 PM	47.8	43.9	45.5	-	37.8	7.7
04:00 PM - 05:00 PM	48.0	46.9	41.5	-	37.4	4.1
05:00 PM - 06:00 PM	47.9	47.3	39.0	-	39.7	-0.7
06:00 PM - 07:00 PM	49.3	50.1	n/a	-	45.6	-
07:00 PM - 08:00 PM	47.1	58.2	n/a	-	43.4	-
08:00 PM - 09:00 PM	47.0	59.0	n/a	-	53.5	-
09:00 PM - 10:00 PM	47.4	58.7	n/a	-	52.2	-
10:00 PM - 10:05 PM	43.6	57.6	-	n/a	42.5	-
10:05 PM - 10:10 PM	42.9	57.7	-	n/a	42.6	-
10:10 PM - 10:15 PM	42.6	57.3	-	n/a	41.6	-
10:15 PM - 10:20 PM	43.8	57.6	-	n/a	41.4	-
10:20 PM - 10:25 PM	43.0	57.9	-	n/a	43.7	-
10:25 PM - 10:30 PM	43.8	51.9	-	n/a	41.6	-
10:30 PM - 10:35 PM	42.4	56.4	-	n/a	42.6	-
10:35 PM - 10:40 PM	44.5	57.8	-	n/a	42.5	-
10:40 PM - 10:45 PM	43.9	57.4	-	n/a	42.2	-
10:45 PM - 10:50 PM	44.2	57.9	-	n/a	42.3	-
10:50 PM - 10:55 PM	43.3	56.1	-	n/a	41.9	-
10:55 PM - 11:00 PM	43.1	57.8	-	n/a	42.8	-
11:00 PM - 11:05 PM	43.1	58.3	-	n/a	45.0	-
11:05 PM - 11:10 PM	43.1	56.4	-	n/a	41.9	-
11:10 PM - 11:15 PM	43.2	58.2	-	n/a	43.1	-
11:15 PM - 11:20 PM	44.4	58.0	-	n/a	42.4	-
11:20 PM - 11:25 PM	42.5	57.8	-	n/a	42.8	-
11:25 PM - 11:30 PM	43.8	57.2	-	n/a	42.1	-
11:30 PM - 11:35 PM	43.3	57.5	-	n/a	41.6	-
11:35 PM - 11:40 PM	44.4	58.2	-	n/a	41.6	-
11:40 PM - 11:45 PM	43.0	56.8	-	n/a	40.7	-
11:45 PM - 11:50 PM	43.2	55.5	-	n/a	40.5	-
11:50 PM - 11:55 PM	42.5	57.4	-	n/a	42.0	-
11:55 PM - 12:00 AM	42.6	57.7	-	n/a	42.3	-
12:00 AM - 12:05 AM	44.0	54.6	-	n/a	41.9	-
12:05 AM - 12:10 AM	43.5	57.3	-	n/a	43.4	-
12:10 AM - 12:15 AM	44.3	57.9	-	n/a	43.3	-
12:15 AM - 12:20 AM	56.6	58.8	-	n/a	43.6	-
12:20 AM - 12:25 AM	48.3	57.7	-	n/a	42.7	-
ค่ามาตรฐาน						≤ 10

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Approved by

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Wibawan Borik
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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593976-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Page 2 of 3

Sample No. 2635083-28
Parameter เสียงรบกวน
Location ที่พักอาศัยทางด้านทิศใต้ของโครงการ (2) (N4) (GPS 47P 0744408, 1420901)
Measurement Date May 28 - 29, 2026
Measurement by Sitpavit Suwannarat
Sound Level Meter 531300

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางคืน	กลางวัน		
12:25 AM - 12:30 AM	43.1	57.5	-	n/a	42.8	-
12:30 AM - 12:35 AM	42.9	57.4	-	n/a	41.4	-
12:35 AM - 12:40 AM	42.3	57.2	-	n/a	42.6	-
12:40 AM - 12:45 AM	47.4	56.9	-	n/a	42.2	-
12:45 AM - 12:50 AM	47.4	55.6	-	n/a	41.7	-
12:50 AM - 12:55 AM	43.9	44.1	-	n/a	41.3	-
12:55 AM - 01:00 AM	51.6	42.8	-	54.0	40.9	13.1
01:00 AM - 01:05 AM	43.6	41.7	-	42.1	40.9	1.2
01:05 AM - 01:10 AM	44.4	42.1	-	43.5	41.2	2.3
01:10 AM - 01:15 AM	42.8	41.8	-	38.0	41.2	-2.3
01:15 AM - 01:20 AM	43.3	41.7	-	41.2	41.0	0.2
01:20 AM - 01:25 AM	43.5	41.3	-	42.5	40.7	1.8
01:25 AM - 01:30 AM	43.9	42.5	-	41.3	41.3	0.2
01:30 AM - 01:35 AM	43.8	42.2	-	41.7	41.5	0.2
01:35 AM - 01:40 AM	43.0	42.2	-	38.3	41.3	-3.0
01:40 AM - 01:45 AM	43.9	42.2	-	42.0	41.4	0.6
01:45 AM - 01:50 AM	43.9	42.1	-	42.2	41.2	1.0
01:50 AM - 01:55 AM	44.7	42.4	-	43.8	41.5	2.3
01:55 AM - 02:00 AM	43.9	43.2	-	38.6	42.0	-3.4
02:00 AM - 02:05 AM	43.7	43.6	-	30.3	41.9	-11.6
02:05 AM - 02:10 AM	44.3	45.0	-	n/a	41.4	-
02:10 AM - 02:15 AM	47.5	42.4	-	48.9	40.6	8.3
02:15 AM - 02:20 AM	51.1	41.4	-	53.6	40.7	12.9
02:20 AM - 02:25 AM	44.3	43.0	-	43.4	41.3	2.1
02:25 AM - 02:30 AM	43.3	42.5	-	38.6	41.6	-3.0
02:30 AM - 02:35 AM	44.0	42.3	-	42.1	41.6	0.5
02:35 AM - 02:40 AM	44.5	42.3	-	43.5	41.5	2.0
02:40 AM - 02:45 AM	44.1	43.1	-	40.2	41.1	-1.2
02:45 AM - 02:50 AM	44.9	42.8	-	43.7	41.3	2.4
02:50 AM - 02:55 AM	45.4	42.6	-	45.2	41.5	3.7
02:55 AM - 03:00 AM	44.7	41.7	-	44.7	40.6	4.1
03:00 AM - 03:05 AM	45.1	42.2	-	45.1	41.2	3.5
03:05 AM - 03:10 AM	44.3	41.7	-	43.8	40.8	3.0
03:10 AM - 03:15 AM	43.2	44.6	-	n/a	41.6	-
03:15 AM - 03:20 AM	43.8	43.8	-	n/a	41.6	-
03:20 AM - 03:25 AM	42.7	42.7	-	n/a	39.7	-
03:25 AM - 03:30 AM	42.1	42.7	-	n/a	41.1	-
03:30 AM - 03:35 AM	42.5	42.7	-	33.7	41.0	-7.3
03:35 AM - 03:40 AM	42.0	41.6	-	34.4	41.6	-5.7
03:40 AM - 03:45 AM	41.9	42.0	-	n/a	40.2	-
ค่ามาตรฐาน						≤ 10

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Approved by

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Wibawan Borik
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Analysis / Test Report



TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglak Rd., Nonglak, Bankhai, Rayong Thailand 21120

Lot ID: 2635083
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number : 3593976-1

P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

<

ภาคผนวก ค-3

ระดับเสียงเครื่องจักร/เครื่องมือในกิจกรรมก่อสร้าง



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635087

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3585947-1

Page 1 of 1

Sample Number 2635087-1
Parameter Noise (Leq 15 hrs.)
Location เครื่องจักร/ เครื่องมือ ซึ่งเป็นแหล่งกำเนิดเสียงในการก่อสร้าง จุดที่ 1 (GPS 47P 0745741, 1420439)
Measurement Date May 25, 2026
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:43 PM - 01:44 PM	70.0	79.4	66.4
01:44 PM - 01:45 PM	67.7	75.9	64.2
01:45 PM - 01:46 PM	68.4	79.2	65.6
01:46 PM - 01:47 PM	69.9	83.7	66.4
01:47 PM - 01:48 PM	68.7	81.9	66.2
01:48 PM - 01:49 PM	68.6	79.4	66.0
01:49 PM - 01:50 PM	69.5	80.5	65.7
01:50 PM - 01:51 PM	74.9	91.1	66.4
01:51 PM - 01:52 PM	71.2	89.2	65.9
01:52 PM - 01:53 PM	72.2	90.0	64.8
01:53 PM - 01:54 PM	66.6	74.6	64.1
01:54 PM - 01:55 PM	76.9	94.5	61.3
01:55 PM - 01:56 PM	79.0	98.6	65.3
01:56 PM - 01:57 PM	64.8	78.2	63.4
01:57 PM - 01:58 PM	64.7	74.7	63.6
Leq Average 15 min. (dB(A))	72.3		
Lmax (dB(A))		98.6	
Standard (dB(A))	115	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9:59AM)



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635087

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3585948-1

Page 1 of 1

Sample Number 2635087-2
Parameter Noise (Leq 15 hrs.)
Location เครื่องจักร/ เครื่องมือ ซึ่งเป็นแหล่งกำเนิดเสียงในการก่อสร้าง จุดที่ 2 (GPS 47P 0744439, 1421438)
Measurement Date May 25, 2026
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:56 PM - 01:57 PM	78.2	87.9	69.1
01:57 PM - 01:58 PM	76.7	93.0	70.3
01:58 PM - 01:59 PM	76.3	88.7	74.2
01:59 PM - 02:00 PM	77.4	94.5	73.7
02:00 PM - 02:01 PM	77.0	92.0	68.1
02:01 PM - 02:02 PM	77.5	92.8	74.9
02:02 PM - 02:03 PM	76.2	89.7	74.1
02:03 PM - 02:04 PM	78.8	98.2	73.3
02:04 PM - 02:05 PM	77.6	91.2	72.1
02:05 PM - 02:06 PM	78.3	88.9	72.7
02:06 PM - 02:07 PM	74.7	86.6	72.0
02:07 PM - 02:08 PM	75.8	89.8	72.3
02:08 PM - 02:09 PM	74.8	89.5	70.0
02:09 PM - 02:10 PM	76.6	90.1	72.0
02:10 PM - 02:11 PM	77.1	93.9	72.3
Leq Average 15 min. (dB(A))	77.0		
Lmax (dB(A))		98.2	
Standard (dB(A))	115	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9:59AM)



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
 , Bankhai-Nonglaloek Rd.,, Nonglaloek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635087

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3585949-1

Page 1 of 1

Sample Number 2635087-3
Parameter Noise (Leq 15 hrs.)
Location เครื่องจักร/ เครื่องมือ ซึ่งเป็นแหล่งกำเนิดเสียงในการก่อสร้าง จุดที่ 3 (GPS 47P 0743242, 1421061)
Measurement Date May 25, 2026
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:17 PM - 02:18 PM	65.4	77.1	60.4
02:18 PM - 02:19 PM	64.0	75.7	60.8
02:19 PM - 02:20 PM	64.8	78.0	61.3
02:20 PM - 02:21 PM	66.0	75.2	63.5
02:21 PM - 02:22 PM	67.8	78.9	64.6
02:22 PM - 02:23 PM	72.9	87.8	63.9
02:23 PM - 02:24 PM	72.1	89.1	64.0
02:24 PM - 02:25 PM	70.4	86.8	64.7
02:25 PM - 02:26 PM	71.6	87.5	64.4
02:26 PM - 02:27 PM	73.9	87.3	66.6
02:27 PM - 02:28 PM	70.4	85.3	64.5
02:28 PM - 02:29 PM	67.9	78.8	64.1
02:29 PM - 02:30 PM	69.4	83.1	64.1
02:30 PM - 02:31 PM	67.6	78.2	64.2
02:31 PM - 02:32 PM	69.6	82.4	66.0
Leq Average 15 min. (dB(A))	69.9		
Lmax (dB(A))		89.1	
Standard (dB(A))	115	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9:59AM)



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
 , Bankhai-Nonglaloek Rd.,, Nonglaloek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635087

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3585950-1

Page 1 of 1

Sample Number 2635087-4
Parameter Noise (Leq 15 hrs.)
Location เครื่องจักร/ เครื่องมือ ซึ่งเป็นแหล่งกำเนิดเสียงในการก่อสร้าง จุดที่ 4 (GPS 47P 0741249, 1421012)
Measurement Date May 25, 2026
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:30 PM - 02:31 PM	70.0	88.2	63.6
02:31 PM - 02:32 PM	70.1	83.2	64.8
02:32 PM - 02:33 PM	69.9	84.7	63.6
02:33 PM - 02:34 PM	61.3	70.8	55.1
02:34 PM - 02:35 PM	58.9	70.4	55.2
02:35 PM - 02:36 PM	58.5	69.3	54.8
02:36 PM - 02:37 PM	66.6	79.9	54.9
02:37 PM - 02:38 PM	66.5	75.7	56.5
02:38 PM - 02:39 PM	69.0	81.0	63.4
02:39 PM - 02:40 PM	69.9	85.3	64.3
02:40 PM - 02:41 PM	62.8	71.2	55.2
02:41 PM - 02:42 PM	58.6	66.3	55.5
02:42 PM - 02:43 PM	65.7	81.9	55.1
02:43 PM - 02:44 PM	65.3	80.7	58.4
02:44 PM - 02:45 PM	60.9	67.2	55.5
Leq Average 15 min. (dB(A))	66.7		
Lmax (dB(A))		88.2	
Standard (dB(A))	115	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

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Chonticha Subongkoch
Scientist (3)

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
, Bankhai-Nonglaloek Rd.,, Nonglaloek, Bankhai, Rayong Thailand 21120

P/O : 54260198

Project Name : Monitoring

Project Location : WHA ESIE 5

Lot ID: 2635087

Date Received : May 26, 2026

Date Reported : May 30, 2026

Report Number: 3585951-1

Page 1 of 1

Sample Number 2635087-5
Parameter Noise (Leq 15 hrs.)
Location เครื่องจักร/ เครื่องมือ ซึ่งเป็นแหล่งกำเนิดเสียงในการก่อสร้าง จุดที่ 5 (GPS 47P 0741626, 1420875)
Measurement Date May 25, 2026
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:36 PM - 02:37 PM	60.5	78.0	50.3
02:37 PM - 02:38 PM	64.2	75.7	50.9
02:38 PM - 02:39 PM	69.6	82.7	56.7
02:39 PM - 02:40 PM	67.8	81.7	57.4
02:40 PM - 02:41 PM	66.8	81.2	58.0
02:41 PM - 02:42 PM	64.7	82.1	57.6
02:42 PM - 02:43 PM	65.9	83.7	53.5
02:43 PM - 02:44 PM	68.1	85.1	57.5
02:44 PM - 02:45 PM	64.7	81.1	57.6
02:45 PM - 02:46 PM	72.2	80.4	63.7
02:46 PM - 02:47 PM	72.1	81.1	68.6
02:47 PM - 02:48 PM	70.2	83.0	61.3
02:48 PM - 02:49 PM	67.5	72.6	64.6
02:49 PM - 02:50 PM	66.8	77.3	63.5
02:50 PM - 02:51 PM	66.1	80.2	61.6
Leq Average 15 min. (dB(A))	68.1		
Lmax (dB(A))		85.1	
Standard (dB(A))	115	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

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Scientist (3)

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คุณภาพน้ำผิวดิน



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568271-1

Page 1 of 8

Sample Number 2635089-1
Sampled Date May 05, 2026 10:26 AM
Sample Description Surface Water
Location คลองนาบตาปรกก่อนไหลผ่านพื้นที่โครงการ (SW1)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic *	mg/L	0.002	0.005	Not Detected	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Cadmium *	mg/L	0.001	0.002	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Copper *	mg/L	0.005	0.01	Not Detected	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Hexavalent Chromium *	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Rayong
Lead *	mg/L	0.002	0.005	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
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 (B)	Rayong
Nickel *	mg/L	0.002	0.005	<0.005	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Zinc *	mg/L	0.005	0.01	0.10	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568271-1

Page 2 of 8

Sample Number 2635089-1
Sampled Date May 05, 2026 10:26 AM
Sample Description Surface Water
Location คลองนาบตาปรกก่อนไหลผ่านพื้นที่โครงการ (SW1)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Microbiological Testing								
^[A] Total Coliform	MPN/100mL	-	-	17000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Pesticides - Organochlorine Group								
^[A] 2,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568271-1

Page 3 of 8

Sample Number 2635089-1
Sampled Date May 05, 2026 10:26 AM
Sample Description Surface Water
Location คลองนาบตาปรกก่อนไหลผ่านพื้นที่โครงการ (SW1)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] 4,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Aldrin	ug/L	0.01	0.02	Not Detected	≤0.10	≤0.10	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-BHC	ug/L	0.01	0.02	Not Detected	≤0.02	≤0.02	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-Chlordane	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] beta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Chlordane	ug/L	0.02	0.04	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568271-1

Page 4 of 8

Sample Number 2635089-1
Sampled Date May 05, 2026 10:26 AM
Sample Description Surface Water
Location คลองนาบตาปรกก่อนไหลผ่านพื้นที่โครงการ (SW1)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] DDT	ug/L	0.01	0.02	Not Detected	≤1	≤1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] delta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Dieldrin	ug/L	0.01	0.02	Not Detected	≤0.1	≤0.1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan I	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan II	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan sulfate	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568271-1

Page 5 of 8

Sample Number 2635089-1
Sampled Date May 05, 2026 10:26 AM
Sample Description Surface Water
Location คลองนาบตาปรังก่อนไหลผ่านพื้นที่โครงการ (SW1)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] Endrin	ug/L	0.01	0.02	Not Detected	Not Detected	Not Detected	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin aldehyde	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin ketone	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] gamma-Chlordane	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor and Heptachlor epoxide	ug/L	0.01	0.02	Not Detected	≤0.2	≤0.2	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568271-1

Page 6 of 8

Sample Number 2635089-1
Sampled Date May 05, 2026 10:26 AM
Sample Description Surface Water
Location คลองนาบตาปรังก่อนไหลผ่านพื้นที่โครงการ (SW1)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] Heptachlor-Epoxide	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Lindane (gamma-BHC)	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Methoxychlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.07	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	4.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568271-1

Page 7 of 8

Sample Number	2635089-1							
Sampled Date	May 05, 2026 10:26 AM							
Sample Description	Surface Water							
Location	คลองนาบตาปรกก่อนไหลผ่านพื้นที่โครงการ (SW1)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Formaldehyde *	mg/L	0.03	0.1	Not Detected	No Standard	No Standard	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.74	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Odour *		-	-	Odourless	(a)	(a)	TIS, 257-2549	Rayong
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	Rayong
pH at 25 degree C		-	-	7.1	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)	Rayong
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong
Sulfide *	mg/L	-	0.01	0.39	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (D)	Rayong
Temperature *	Degree C	-	-	28.3	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	800	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568271-1

Page 8 of 8

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 : Surawit Narapong , Pattarapol Sawangjaitam

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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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0009
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568271-2

Page 1 of 1

Sample Number 2635089-1
Sampled Date May 05, 2026 10:26 AM
Sample Description Surface Water
Location คลองนาบตาปรกก่อนไหลผ่านพื้นที่โครงการ (SW1)
Date Analysis Commenced May 06, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Manganese *	mg/L	0.001	0.002	1.45	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Microbiological Testing								
Fecal Coliform	MPN/100mL	-	-	7000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Water Testing								
BOD *	mg/L	-	2	4.9	≤2	≤4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong

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 : Surawit Narapong , Pattarapol Sawangjaitam

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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Section Head

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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568272-1

Page 1 of 8

Sample Number 2635089-2
Sampled Date May 05, 2026 10:12 AM
Sample Description Surface Water
Location คลองนาบตาปรกบริเวณ ทล. 3143 (SW2)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic *	mg/L	0.002	0.005	Not Detected	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Cadmium *	mg/L	0.001	0.002	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Copper *	mg/L	0.005	0.01	Not Detected	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Hexavalent Chromium *	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Rayong
Lead *	mg/L	0.002	0.005	<0.005	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Manganese *	mg/L	0.001	0.002	0.89	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
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 (B)	Rayong
Nickel *	mg/L	0.002	0.005	<0.005	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong

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Analysis / Test Report

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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568272-1

Page 2 of 8

Sample Number 2635089-2
Sampled Date May 05, 2026 10:12 AM
Sample Description Surface Water
Location คลองนาบตาพ่นบริเวณ พล. 3143 (SW2)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc *	mg/L	0.005	0.01	0.02	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Microbiological Testing								
^[A] Fecal Coliform	MPN/100mL	-	-	1300.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
^[A] Total Coliform	MPN/100mL	-	-	4900.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Pesticides - Organochlorine Group								
^[A] 2,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568272-1

Page 3 of 8

Sample Number 2635089-2
Sampled Date May 05, 2026 10:12 AM
Sample Description Surface Water
Location คลองนาบตาพ่นบริเวณ พล. 3143 (SW2)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] 4,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Aldrin	ug/L	0.01	0.02	Not Detected	≤0.10	≤0.10	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-BHC	ug/L	0.01	0.02	Not Detected	≤0.02	≤0.02	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-Chlordane	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568272-1

Page 4 of 8

Sample Number 2635089-2
Sampled Date May 05, 2026 10:12 AM
Sample Description Surface Water
Location คลองนาตาปรงบริเวณ พล. 3143 (SW2)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] beta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Chlordane	ug/L	0.02	0.04	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] DDT	ug/L	0.01	0.02	Not Detected	≤1	≤1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] delta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Dieldrin	ug/L	0.01	0.02	Not Detected	≤0.1	≤0.1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan I	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568272-1

Page 5 of 8

Sample Number 2635089-2
Sampled Date May 05, 2026 10:12 AM
Sample Description Surface Water
Location คลองนาตาปรงบริเวณ พล. 3143 (SW2)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] Endosulfan II	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan sulfate	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin	ug/L	0.01	0.02	Not Detected	Not Detected	Not Detected	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin aldehyde	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin ketone	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] gamma-Chlordane	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568272-1

Page 6 of 8

Sample Number	2635089-2							
Sampled Date	May 05, 2026 10:12 AM							
Sample Description	Surface Water							
Location	คลองนาบตาปรังบริเวณ พล. 3143 (SW2)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] Heptachlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor and Heptachlor epoxide	ug/L	0.01	0.02	Not Detected	≤0.2	≤0.2	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor-Epoxide	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Lindane (gamma-BHC)	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Methoxychlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.12	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong

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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568272-1

Page 7 of 8

Sample Number	2635089-2							
Sampled Date	May 05, 2026 10:12 AM							
Sample Description	Surface Water							
Location	คลองนาบตาปรังบริเวณ พล. 3143 (SW2)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.0	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Formaldehyde *	mg/L	0.03	0.1	Not Detected	No Standard	No Standard	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.41	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Odour *		-	-	Odourless	(a)	(a)	TIS, 257-2549	Rayong
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	Rayong
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)	Rayong
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568272-1

Page 8 of 8

Sample Number 2635089-2
Sampled Date May 05, 2026 10:12 AM
Sample Description Surface Water
Location คลองนาบตาพองบริเวณ ทล. 3143 (SW2)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Sulfide *	mg/L	-	0.01	0.31	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-52 (D)	Rayong
Temperature *	Degree C	-	-	28.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	764	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

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 : Surawit Narapong , Pattarapol Sawangjaitam

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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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568272-2

Page 1 of 1

Sample Number 2635089-2
Sampled Date May 05, 2026 10:12 AM
Sample Description Surface Water
Location คลองนาบตาพองบริเวณ ทล. 3143 (SW2)
Date Analysis Commenced May 06, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD	mg/L	-	2	5.1	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong

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 : Surawit Narapong , Pattarapol Sawangjaitam

Remark :

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

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568273-1

Page 1 of 8

Sample Number 2635089-3
Sampled Date May 05, 2026 9:31 AM
Sample Description Surface Water
Location คลองน้ำเขื่อนกั้นจระเข้ระยะทางน้ำทิ้งของโครงการ 400 เมตร (SW3)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic *	mg/L	0.002	0.005	Not Detected	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Cadmium *	mg/L	0.001	0.002	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Copper *	mg/L	0.005	0.01	Not Detected	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Hexavalent Chromium *	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Rayong
Lead *	mg/L	0.002	0.005	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Manganese *	mg/L	0.001	0.002	0.33	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
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 (B)	Rayong
Nickel *	mg/L	0.002	0.005	<0.005	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568273-1

Page 2 of 8

Sample Number 2635089-3
Sampled Date May 05, 2026 9:31 AM
Sample Description Surface Water
Location คลองน้ำเขื่อนกั้นจระเข้ระยะทางน้ำทิ้งของโครงการ 400 เมตร (SW3)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc *	mg/L	0.005	0.01	0.01	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Microbiological Testing								
^[A] Fecal Coliform	MPN/100mL	-	-	1300.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
^[A] Total Coliform	MPN/100mL	-	-	3300.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Pesticides - Organochlorine Group								
^[A] 2,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568273-1

Page 3 of 8

Sample Number	2635089-3							
Sampled Date	May 05, 2026 9:31 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นก่อนจตุรรมายน้ำทั้งของโครงการ 400 เมตร (SW3)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] 4,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Aldrin	ug/L	0.01	0.02	Not Detected	≤0.10	≤0.10	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-BHC	ug/L	0.01	0.02	Not Detected	≤0.02	≤0.02	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-Chlordane	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568273-1

Page 4 of 8

Sample Number	2635089-3							
Sampled Date	May 05, 2026 9:31 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นก่อนจตุรรมายน้ำทั้งของโครงการ 400 เมตร (SW3)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] beta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Chlordane	ug/L	0.02	0.04	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] DDT	ug/L	0.01	0.02	Not Detected	≤1	≤1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] delta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Dieldrin	ug/L	0.01	0.02	Not Detected	≤0.1	≤0.1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan I	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568273-1

Page 5 of 8

Sample Number	2635089-3							
Sampled Date	May 05, 2026 9:31 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (SW3)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] Endosulfan II	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan sulfate	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin	ug/L	0.01	0.02	Not Detected	Not Detected	Not Detected	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin aldehyde	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin ketone	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] gamma-Chlordane	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568273-1

Page 6 of 8

Sample Number	2635089-3							
Sampled Date	May 05, 2026 9:31 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (SW3)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] Heptachlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor and Heptachlor epoxide	ug/L	0.01	0.02	Not Detected	≤0.2	≤0.2	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor-Epoxide	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Lindane (gamma-BHC)	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Methoxychlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.09	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568273-1

Page 7 of 8

Sample Number	2635089-3							
Sampled Date	May 05, 2026 9:31 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (SW3)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD *	mg/L	-	2	<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 C	Rayong
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Formaldehyde *	mg/L	0.03	0.1	Not Detected	No Standard	No Standard	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.34	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Odour *	-	-	-	Odourless	(a)	(a)	TIS, 257-2549	Rayong
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	Rayong
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)	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568273-1

Page 8 of 8

Sample Number	2635089-3							
Sampled Date	May 05, 2026 9:31 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (SW3)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Phenol *	mg/L	0.0005	0.001	0.003	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong
Sulfide *	mg/L	-	0.01	0.32	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (D)	Rayong
Temperature *	Degree C	-	-	27.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	356	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
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 : Surawit Narapong , Pattarapol Sawangjaitam								
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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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568274-1

Page 1 of 8

Sample Number 2635089-4
Sampled Date May 05, 2026 9:42 AM
Sample Description Surface Water
Location คลองน้ำเขื่อนจระเข้มาบทั้งของโครงการ (SW4)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic *	mg/L	0.002	0.005	Not Detected	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Cadmium *	mg/L	0.001	0.002	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Copper *	mg/L	0.005	0.01	Not Detected	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Hexavalent Chromium *	mg/L	0.003	0.01	<0.01	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Rayong
Lead *	mg/L	0.002	0.005	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Manganese *	mg/L	0.001	0.002	0.29	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
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 (B)	Rayong
Nickel *	mg/L	0.002	0.005	Not Detected	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568274-1

Page 2 of 8

Sample Number 2635089-4
Sampled Date May 05, 2026 9:42 AM
Sample Description Surface Water
Location คลองน้ำเขื่อนจระเข้มาบทั้งของโครงการ (SW4)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc *	mg/L	0.005	0.01	0.01	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Microbiological Testing								
^[A] Fecal Coliform	MPN/100mL	-	-	1300.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
^[A] Total Coliform	MPN/100mL	-	-	3300.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Pesticides - Organochlorine Group								
^[A] 2,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568274-1

Page 3 of 8

Sample Number	2635089-4							
Sampled Date	May 05, 2026 9:42 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นจุดระบายน้ำทิ้งของโครงการ (SW4)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] 4,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Aldrin	ug/L	0.01	0.02	Not Detected	≤0.10	≤0.10	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-BHC	ug/L	0.01	0.02	Not Detected	≤0.02	≤0.02	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-Chlordane	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568274-1

Page 4 of 8

Sample Number	2635089-4							
Sampled Date	May 05, 2026 9:42 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นจุดระบายน้ำทิ้งของโครงการ (SW4)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] beta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Chlordane	ug/L	0.02	0.04	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] DDT	ug/L	0.01	0.02	Not Detected	≤1	≤1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] delta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Dieldrin	ug/L	0.01	0.02	Not Detected	≤0.1	≤0.1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan I	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568274-1

Page 5 of 8

Sample Number	2635089-4							
Sampled Date	May 05, 2026 9:42 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นจุดระบายน้ำทิ้งของโครงการ (SW4)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] Endosulfan II	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan sulfate	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin	ug/L	0.01	0.02	Not Detected	Not Detected	Not Detected	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin aldehyde	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin ketone	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] gamma-Chlordane	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568274-1

Page 6 of 8

Sample Number	2635089-4							
Sampled Date	May 05, 2026 9:42 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นจุดระบายน้ำทิ้งของโครงการ (SW4)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
Heptachlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor and Heptachlor epoxide	ug/L	0.01	0.02	Not Detected	≤0.2	≤0.2	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor-Epoxide	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Lindane (gamma-BHC)	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Methoxychlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	<0.05	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568274-1

Page 7 of 8

Sample Number	2635089-4							
Sampled Date	May 05, 2026 9:42 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นจตุรนาถน้ำทิ้งของโครงการ (SW4)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD *	mg/L	-	2	<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 C	Rayong
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.3	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Formaldehyde *	mg/L	0.03	0.1	Not Detected	No Standard	No Standard	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.32	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Odour *		-	-	Odourless	(a)	(a)	TIS, 257-2549	Rayong
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	Rayong
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)	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568274-1

Page 8 of 8

Sample Number	2635089-4							
Sampled Date	May 05, 2026 9:42 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นจตุรนาถน้ำทิ้งของโครงการ (SW4)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Phenol *	mg/L	0.0005	0.001	0.003	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong
Sulfide *	mg/L	-	0.01	0.37	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (D)	Rayong
Temperature *	Degree C	-	-	28.1	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	324	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
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 : Surawit Narapong , Pattarapol Sawangjaitam								
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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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568275-1

Page 1 of 8

Sample Number 2635089-5
Sampled Date May 05, 2026 9:56 AM
Sample Description Surface Water
Location คลองน้ำเย็นหลังจตุรรมายน้ำทิ้งของโครงการ 400 เมตร (SW5)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic *	mg/L	0.002	0.005	Not Detected	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Cadmium *	mg/L	0.001	0.002	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Copper *	mg/L	0.005	0.01	Not Detected	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Hexavalent Chromium *	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Rayong
Lead *	mg/L	0.002	0.005	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Manganese *	mg/L	0.001	0.002	0.17	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
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 (B)	Rayong
Nickel *	mg/L	0.002	0.005	<0.005	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568275-1

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Sample Number 2635089-5
Sampled Date May 05, 2026 9:56 AM
Sample Description Surface Water
Location คลองน้ำเย็นหลังจตุรรมายน้ำทิ้งของโครงการ 400 เมตร (SW5)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc *	mg/L	0.005	0.01	<0.01	≤1	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3120 B, 3030 F	Rayong
Microbiological Testing								
^[A] Fecal Coliform	MPN/100mL	-	-	2400.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
^[A] Total Coliform	MPN/100mL	-	-	4900.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Pesticides - Organochlorine Group								
^[A] 2,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 2,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalek Rd., Nonglalek, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568275-1

Page 3 of 8

Sample Number 2635089-5
Sampled Date May 05, 2026 9:56 AM
Sample Description Surface Water
Location คลองน้ำเย็นหลังจตุรรมายน้ำทั้งโครงการ 400 เมตร (SW5)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] 4,4-DDD	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDE	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] 4,4-DDT	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Aldrin	ug/L	0.01	0.02	Not Detected	≤0.10	≤0.10	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-BHC	ug/L	0.01	0.02	Not Detected	≤0.02	≤0.02	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] alpha-Chlordane *	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalek Rd., Nonglalek, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568275-1

Page 4 of 8

Sample Number 2635089-5
Sampled Date May 05, 2026 9:56 AM
Sample Description Surface Water
Location คลองน้ำเย็นหลังจตุรรมายน้ำทั้งโครงการ 400 เมตร (SW5)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] beta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Chlordane	ug/L	0.02	0.04	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] DDT	ug/L	0.01	0.02	Not Detected	≤1	≤1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] delta-BHC	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Dieldrin	ug/L	0.01	0.02	Not Detected	≤0.1	≤0.1	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan I	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalek Rd., Nonglalek, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568275-1

Page 5 of 8

Sample Number 2635089-5
Sampled Date May 05, 2026 9:56 AM
Sample Description Surface Water
Location คลองน้ำเย็นหลังจตุรรมายน้ำทั้งโครงการ 400 เมตร (SW5)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] Endosulfan II	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endosulfan sulfate	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin	ug/L	0.01	0.02	Not Detected	Not Detected	Not Detected	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin aldehyde	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Endrin ketone *	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] gamma-Chlordane	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

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P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
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Report Number : 3568275-1

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Sample Number 2635089-5
Sampled Date May 05, 2026 9:56 AM
Sample Description Surface Water
Location คลองน้ำเย็นหลังจตุรรมายน้ำทั้งโครงการ 400 เมตร (SW5)
Date Analysis Commenced May 05, 2026
Condition of Sample Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
^[A] Heptachlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor and Heptachlor epoxide	ug/L	0.01	0.02	Not Detected	≤0.2	≤0.2	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Heptachlor-Epoxide	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Lindane (gamma-BHC)	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
^[A] Methoxychlor	ug/L	0.01	0.02	Not Detected	No Standard	No Standard	In-house method : STM 04-101 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.14	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong

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

Photchana S

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568275-1

Page 7 of 8

Sample Number	2635089-5							
Sampled Date	May 05, 2026 9:56 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นหลังจตุรรมายน้ำทิ้งของโครงการ 400 เมตร (SW5)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD *	mg/L	-	2	<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 C	Rayong
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.9	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Formaldehyde *	mg/L	0.03	0.1	Not Detected	No Standard	No Standard	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.18	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Odour *	-	-	-	Odourless	(a)	(a)	TIS, 257-2549	Rayong
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	Rayong
pH at 25 degree C	-	-	-	7.4	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)	Rayong

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

Photchana S

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5



TESTING
No.0042
Lot ID: 2635089
Date Received : May 05, 2026
Date Reported : May 14, 2026
Report Number : 3568275-1

Page 8 of 8

Sample Number	2635089-5							
Sampled Date	May 05, 2026 9:56 AM							
Sample Description	Surface Water							
Location	คลองน้ำเย็นหลังจตุรรมายน้ำทิ้งของโครงการ 400 เมตร (SW5)							
Date Analysis Commenced	May 05, 2026							
Condition of Sample	Contained in three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Physical Property	Yellow, some odour, solid and no turbid							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Rayong
Sulfide *	mg/L	-	0.01	0.41	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (D)	Rayong
Temperature *	Degree C	-	-	27.8	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	268	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
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 : Surawit Narapong , Pattarapol Sawangjaitam								
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

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Photchana Seeda
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ภาคผนวก ค-5

คุณภาพตะกอนดิน



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalek Rd., Nonglalek, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635106
Date Received : May 05, 2026
Date Reported : May 13, 2026
Report Number : 3557773-1

Page 1 of 3

Sample Number 2635106-1
Sampled Date May 05, 2026 9:36 AM
Sample Description Sediment
Location คลองน้ำเย็นก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (SD1)
Date Analysis Commenced May 07, 2026
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	7.49	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	<1.00	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	2.60	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	<1.00	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	5.63	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	22.8	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

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Sampling By : Surawit Narapong

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

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Approved by

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Section Head

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalek Rd., Nonglalek, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2635106
Date Received : May 05, 2026
Date Reported : May 13, 2026
Report Number : 3557773-1

Page 2 of 3

Sample Number 2635106-2
Sampled Date May 05, 2026 9:49 AM
Sample Description Sediment
Location คลองน้ำเย็นก่อนจุดระบายน้ำทิ้งของโครงการ (SD2)
Date Analysis Commenced May 07, 2026
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	7.83	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	<1.00	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	2.76	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	<1.00	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	6.37	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	24.6	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

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Sampling By : Surawit Narapong

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

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglajok Rd., Nonglajok, Bankhai, Rayong Thailand 21120
P/O : 54260198
Project Name : Monitoring
Project Location: WHA ESIE 5

Lot ID: 2635106
Date Received : May 05, 2026
Date Reported : May 13, 2026
Report Number : 3557773-1

Page 3 of 3

Sample Number 2635106-3
Sampled Date May 05, 2026 10:00 AM
Sample Description Sediment
Location คลองน้ำเย็นหลังจุดระบายน้ำทิ้งของโครงการ 400 เมตร (SD3)
Date Analysis Commenced May 07, 2026
Condition of Sample Packed in one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	6.83	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	1.27	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	0.25	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	3.89	≤36	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	<1.00	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	17.6	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	18.7	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

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Sampling By : Surawit Narapong

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

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Approved by

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คุณภาพดิน



Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296666-1

Page 1 of 1

Sample Number : 2533984-1
Sampled Date : Apr 24, 2025 9:45 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศตะวันตกของโครงการ (S1) ระดับความลึก 5 เซนติเมตร (GPS 47P 0740569, 1421328)
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	13.7	≤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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	13.4	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	242	≤19640	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
Nickel	mg/kg	-	1.00	1.55	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokkorn Anek

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

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296666-2

Page 1 of 1

Sample Number : 2533984-1
Sampled Date : Apr 24, 2025 9:45 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศตะวันตกของโครงการ (S1) ระดับความลึก 5 เซนติเมตร (GPS 47P 0740569, 1421328)
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/kg	-	1.00	1.84	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	4.4	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	4.9	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna

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.

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296667-1

Page 1 of 1

Sample Number : 2533984-2
Sampled Date : Apr 24, 2025 9:50 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศตะวันตกของโครงการ (S1) ระดับความลึก 30 เซนติเมตร
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	6.57	≤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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	9.61	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	185	≤19640	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
Nickel	mg/kg	-	1.00	1.76	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296667-2

Page 1 of 1

Sample Number : 2533984-2
Sampled Date : Apr 24, 2025 9:50 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศตะวันตกของโครงการ (S1) ระดับความลึก 30 เซนติเมตร
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/kg	-	1.00	1.34	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	6.3	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	4.6	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna

Remark :

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

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296668-1

Page 1 of 1

Sample Number : 2533984-3
Sampled Date : Apr 24, 2025 10:05 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศเหนือของโครงการ (S2) ระดับความลึก 5 เซนติเมตร (GPS 47P 0744209, 1421488)
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	2.89	≤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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	3.86	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	6.34	≤19640	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
Nickel	mg/kg	-	1.00	1.42	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokkorn Anek

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

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296668-2

Page 1 of 1

Sample Number : 2533984-3
Sampled Date : Apr 24, 2025 10:05 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศเหนือของโครงการ (S2) ระดับความลึก 5 เซนติเมตร (GPS 47P 0744209, 1421488)
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/kg	-	1.00	1.07	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	4.1	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	4.5	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna

Remark :

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

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296669-1

Page 1 of 1

Sample Number 2533984-4
Sampled Date Apr 24, 2025 10:10 AM
Sample Description Soil
Location พื้นที่สีเขียวและแนวกันชนด้านทิศเหนือของโครงการ (S2) ระดับความลึก 30 เซนติเมตร
Date Analysis Commenced Apr 25, 2025
Condition of Sample Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	3.30	≤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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	4.78	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	5.90	≤19640	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
Nickel	mg/kg	-	1.00	2.38	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296669-2

Page 1 of 1

Sample Number 2533984-4
Sampled Date Apr 24, 2025 10:10 AM
Sample Description Soil
Location พื้นที่สีเขียวและแนวกันชนด้านทิศเหนือของโครงการ (S2) ระดับความลึก 30 เซนติเมตร
Date Analysis Commenced Apr 25, 2025
Condition of Sample Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/kg	-	1.00	1.25	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	5.3	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	4.4	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna

Remark :

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

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296670-1

Page 1 of 1

Sample Number : 2533984-5
Sampled Date : Apr 24, 2025 10:30 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ (S3) ระดับความลึก 5 เซนติเมตร (GPS 47P 0746745, 1420282)
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	<0.50	≤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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	6.32	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	7.30	≤19640	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
Nickel	mg/kg	-	1.00	1.06	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296670-2

Page 1 of 1

Sample Number : 2533984-5
Sampled Date : Apr 24, 2025 10:30 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ (S3) ระดับความลึก 5 เซนติเมตร (GPS 47P 0746745, 1420282)
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/kg	-	1.00	1.06	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	8.4	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	4.0	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna

Remark :

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

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296671-1

Page 1 of 1

Sample Number 2533984-6
Sampled Date Apr 24, 2025 10:35 AM
Sample Description Soil
Location พื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ (S3) ระดับความลึก 30 เซนติเมตร
Date Analysis Commenced Apr 25, 2025
Condition of Sample Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	<0.50	≤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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	6.10	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	3.27	≤19640	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	No Standard	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.30	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296671-2

Page 1 of 1

Sample Number 2533984-6
Sampled Date Apr 24, 2025 10:35 AM
Sample Description Soil
Location พื้นที่สีเขียวและแนวกันชนด้านทิศตะวันออกของโครงการ (S3) ระดับความลึก 30 เซนติเมตร
Date Analysis Commenced Apr 25, 2025
Condition of Sample Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/kg	-	1.00	<1.00	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	8.0	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	4.2	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna

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.

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296672-1

Page 1 of 1

Sample Number : 2533984-7
Sampled Date : Apr 24, 2025 9:20 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศใต้ของโครงการ (S4) ระดับความลึก 5 เซนติเมตร (GPS 47P 0742560, 1420347)
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	2.64	≤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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	4.69	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	45.6	≤19640	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
Nickel	mg/kg	-	1.00	<1.00	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Chanatt L.

Chanattagam Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-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

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296672-2

Page 1 of 1

Sample Number : 2533984-7
Sampled Date : Apr 24, 2025 9:20 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศใต้ของโครงการ (S4) ระดับความลึก 5 เซนติเมตร (GPS 47P 0742560, 1420347)
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/kg	-	1.00	1.77	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	7.2	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	5.2	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna

Remark :

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296673-1

Page 1 of 1

Sample Number : 2533984-8
Sampled Date : Apr 24, 2025 9:25 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศใต้ของโครงการ (S4) ระดับความลึก 30 เซนติเมตร
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/kg	-	0.50	2.15	≤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
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Lead	mg/kg	-	1.00	4.62	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	45.1	≤19640	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
Nickel	mg/kg	-	1.00	1.39	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Selenium	mg/kg	-	0.50	<0.50	≤4380	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :

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

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : WHA Industrial Development Public Company Limited
Bankhai-Nonglaloek Rd., Nonglaloek, Bankhai, Rayong Thailand 21120
P/O : 54250182
Project Name : Monitoring
Project Location : WHA ESIE 5

Lot ID: 2533984
Date Received : Apr 24, 2025
Date Reported : May 06, 2025
Report Number : 3296673-2

Page 1 of 1

Sample Number : 2533984-8
Sampled Date : Apr 24, 2025 9:25 AM
Sample Description : Soil
Location : พื้นที่สีเขียวและแนวกันชนด้านทิศใต้ของโครงการ (S4) ระดับความลึก 30 เซนติเมตร
Date Analysis Commenced : Apr 25, 2025
Condition of Sample : Packed in one plastic bag, one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/kg	-	1.00	1.73	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	6.0	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
Soil Testing							
pH aqueous phase 50% (w/v)		-	-	5.2	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	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.

Note : Analysis Results expressed on dry basis.

Sampling By : Thanasoun Namakunna

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.

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ภาคผนวก ค-7

ทรัพยากรชีวภาพทางน้ำ

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569)
(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2635122-1	2635122-2	2635122-3
Family Oocystaceae			
7. <i>Ankistrodesmus falcatus</i>	9,000	-	-
Family Scenedesmaceae			
8. <i>Scenedesmus dimorphus</i>	-	-	47,000
9. <i>Scenedesmus quadricauda</i>	19,000	-	9,000
Order Zygomatales			
Family Zygnemataceae			
10. <i>Spirogyra</i> sp.	9,000	9,000	-
Family Desmidiaceae			
11. <i>Closterium acerosum</i>	19,000	-	28,000
12. <i>Closterium calosporum</i>	19,000	-	-
13. <i>Closterium ehrenbergii</i>	9,000	-	9,000
14. <i>Closterium ralfsii</i>	19,000	-	-
15. <i>Closterium</i> sp.	9,000	-	-
16. <i>Euastrum sinuosum</i>	-	-	19,000
Class Euglenophyceae			
Order Euglenales			
Family Euglenaceae			
17. <i>Euglena acus</i>	19,000	17,000	9,000
18. <i>Euglena oxyuris</i>	-	-	47,000
19. <i>Euglena</i> sp.	-	9,000	-
20. <i>Euglena viridis</i>	28,000	78,000	66,000
21. <i>Lepocinclis ovum</i>	19,000	9,000	66,000
22. <i>Phacus hamatus</i>	9,000	17,000	47,000
23. <i>Phacus longicauda</i>	9,000	9,000	-
24. <i>Phacus myersi</i>	19,000	26,000	189,000
25. <i>Phacus platalea</i>	37,000	35,000	28,000



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

Client : WHA Industrial Development Public Company Limited
Address : Bankhai-Nonglalom Rd., Nonglalom, Bankhai, Rayong, Thailand, 21120
Project Name : Monitoring
Project Location : WHA ESIE 5

รายงานผลการวิเคราะห์แพลงก์ตอนพืช
ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2635122-1	2635122-2	2635122-3
Division Cyanophyta			
Class Cyanophyceae			
Order Nostocales			
Family Oscillatoriaceae			
1. <i>Lyngbya birgei</i>	407,000	278,000	28,000
2. <i>Oscillatoria limnetica</i>	83,000	96,000	113,000
3. <i>Oscillatoria limosa</i>	19,000	52,000	38,000
4. <i>Oscillatoria</i> sp.	259,000	52,000	28,000
5. <i>Oscillatoria tenuis</i>	-	-	9,000
Division Chlorophyta			
Class Chlorophyceae			
Order Chlorococcales			
Family Hydrodictyaceae			
6. <i>Pediastrum duplex</i>	9,000	-	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2635122-1	2635122-2	2635122-3
42. <i>Pinnularia gibba</i>	370,000	113,000	66,000
43. <i>Pinnularia microstauron</i>	37,000	26,000	9,000
Family Bacillariaceae			
44. <i>Bacillaria paxillifer</i>	-	-	47,000
45. <i>Nitzschia lorenziana</i>	-	-	9,000
Family Surirellaceae			
46. <i>Surirella elegans</i>	120,000	26,000	66,000
47. <i>Surirella linearis</i>	-	-	9,000
48. <i>Surirella robusta</i>	139,000	52,000	123,000
ชนิดแพลงก์ตอนพืช	34	24	38
ปริมาณแพลงก์ตอนพืช	2,375,000	1,026,000	1,835,000
ดัชนีความหลากหลายแพลงก์ตอนพืช	2.7374	2.6334	3.0955
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.7763	0.8286	0.8510

Sample Location : 1. สถานี 2635122-1 : คลองน้ำเย็นก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio1)
2. สถานี 2635122-2 : คลองน้ำเย็นจุดระบายน้ำทิ้งของโครงการ (Bio2)
3. สถานี 2635122-3 : คลองน้ำเย็นหลังจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio3)

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


(นางสาวกนกวรรณ ขาวค้อน)
ผู้วิเคราะห์


(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2635122-1	2635122-2	2635122-3
26. <i>Phacus</i> sp.	37,000	9,000	38,000
27. <i>Phacus tortus</i>	-	17,000	9,000
28. <i>Trachelomonas crebea</i>	-	-	19,000
29. <i>Trachelomonas hispida</i>	9,000	-	9,000
30. <i>Trachelomonas mirabilis</i>	-	-	19,000
31. <i>Trachelomonas</i> sp.	28,000	9,000	57,000
32. <i>Trachelomonas superba</i>	-	26,000	-
Division Chromophyta			
Class Bacillariophyceae			
Order Biddulphiales			
Suborder Coscinodiscineae			
Family Thalassiosiraceae			
33. <i>Cyclotella</i> sp.	222,000	17,000	378,000
Order Bacillariales			
Suborder Fragilariineae			
Family Fragilariaceae			
34. <i>Diatoma vulgare</i>	28,000	9,000	47,000
35. <i>Synedra ulna</i>	263,000	-	57,000
Suborder Bacillariineae			
Family Eunotiaceae			
36. <i>Eunotia pectinalis</i>	-	-	19,000
Family Naviculaceae			
37. <i>Craticula cuspidata</i>	-	-	9,000
38. <i>Navicula cuspidata</i>	9,000	-	-
39. <i>Navicula</i> sp.	46,000	35,000	28,000
40. <i>Navicula viridula</i>	19,000	-	28,000
41. <i>Pinnularia acrosphaeria</i>	19,000	-	9,000

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	2635122-1	2635122-2	2635122-3
Phylum Rotifera			
Class Monogononta			
Order Ploima			
Family Brachionidae			
7. <i>Brachionus angularis</i>	9,000	9,000	28,000
8. <i>Colurella obtusa</i>	-	9,000	28,000
9. <i>Dipleuchlanis</i> sp.	9,000	-	-
10. <i>Mytilina</i> sp.	-	9,000	-
Family Lecanidae			
11. <i>Lecane bulla</i>	9,000	-	-
12. <i>Lecane decipiens</i>	-	-	9,000
13. <i>Lecane inermis</i>	-	-	19,000
14. <i>Lecane</i> sp.	9,000	-	9,000
Family Notommatidae			
15. <i>Cephalodella gibba</i>	19,000	-	9,000
Family Tricocercidae			
16. <i>Trichocerca capucina</i>	-	9,000	-
Family Asplanchnidae			
17. <i>Asplanchna priodonta</i>	-	-	19,000
18. <i>Asplanchna</i> sp.	9,000	-	19,000
Class Digononta			
Family Philodinidae			
19. <i>Philodina</i> sp.	-	17,000	19,000
20. <i>Rotaria rotatoria</i>	9,000	-	-



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : WHA Industrial Development Public Company Limited

Address : Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong, Thailand, 21120

Project Name : Monitoring

Project Location : WHA ESIE 5

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	2635122-1	2635122-2	2635122-3
Phylum Protozoa			
Subphylum Plasmodroma			
Class Sarcodina			
Subclass Rhizopoda			
Order Testacida			
Family Arcellidae			
1. <i>Arcella vulgaris</i>	28,000	9,000	28,000
Family Diffugiidae			
2. <i>Centropyxis aculeata</i>	19,000	-	9,000
3. <i>Diffugia acuminata</i>	28,000	-	9,000
Family Euglyphidae			
4. <i>Euglypha acanthophora</i>	-	-	19,000
5. <i>Euglypha rotunda</i>	9,000	17,000	9,000
6. <i>Euglypha</i> sp.	-	-	28,000



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

Client : WHA Industrial Development Public Company Limited
Address : Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong, Thailand, 21120
Project Name : Monitoring
Project Location : WHA ESIE 5

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัว/ตารางเมตร)		
	2635123-1	2635123-2	2635123-3
Phylum Annelida			
Class Clitellata			
Order Lumbriculida			
Family Lumbriculidae			
<i>Lumbriculus</i> sp. (ไส้เดือนน้ำ)	45	89	223
Order Tubificida			
Family Naididae			
<i>Branchiura</i> sp. (ไส้เดือนน้ำ)	-	-	119
Phylum Arthropoda			
Class Insecta			
Order Diptera			
Family Ceratopogonidae			
<i>Culicoides</i> sp. (ริ้นเข็ม)	30	60	30

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	2635122-1	2635122-2	2635122-3
Phylum Arthropoda			
Class Crustacea			
Subclass Copepoda			
21. Copepod nauplius	-	-	9,000
Phylum Mollusca			
Class Bivalvia			
22. Pelecypod larvae	-	9,000	-
ชนิดแพลงก์ตอนสัตว์	11	8	16
ปริมาณแพลงก์ตอนสัตว์	157,000	88,000	270,000
ดัชนีความหลากหลายแพลงก์ตอนสัตว์	2.2733	2.0344	2.6675
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์	0.9480	0.9783	0.9621

Sample Location :

- สถานี 2635122-1 : คลองน้ำขึ้นก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio1)
- สถานี 2635122-2 : คลองน้ำขึ้นจุดระบายน้ำทิ้งของโครงการ (Bio2)
- สถานี 2635122-3 : คลองน้ำขึ้นหลังจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio3)

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



(นางสาวกนกวรรณ ขาวค่อน)
ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา

ตาราง ผลการวิเคราะห์สัตว์น้ำ (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569) (ต่อ)

สกุลสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว/ตารางเมตร)		
	2635123-1	2635123-2	2635123-3
Family Chironomidae <i>Chironomus</i> sp. (หนอนแดง)	193	1,334	178
Phylum Mollusca Class Gastropoda Order Architaenioglossa Family Thiariidae <i>Melanoides</i> sp. (หอยจืด)	-	-	15
รวมจำนวนสกุลที่พบทั้งหมด	3	3	5
รวมปริมาณที่พบทั้งหมด	268	1,483	565
ค่าดัชนีความหลากหลาย	0.7812	0.3938	1.3111

Sample Location : 1. สถานี 2635123-1 : คลองน้ำเย็นก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio1)
2. สถานี 2635123-2 : คลองน้ำเย็นจุดระบายน้ำทิ้งของโครงการ (Bio2)
3. สถานี 2635123-3 : คลองน้ำเย็นหลังจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio3)

Condition of Sample : contained in one plastic zip bag

อรรถวุฒิ สิงหวงศ์
(นายอรรถวุฒิ กันทะวงศ์)
ผู้วิเคราะห์

.....
(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



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

Client : WHA Industrial Development Public Company Limited
Address : Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong, Thailand, 21120
Project Name : Monitoring
Project Location : WHA ESIE 5

รายงานผลการวิเคราะห์สัตว์น้ำ

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 5 พฤษภาคม 2569)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)			ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	2635109-1	2635109-2	2635109-3		
Phylum Chordata Class Actinopterygii Order Beloniformes Family Zenarchopteridae <i>Dermogenys siamensis</i> (ปลาเข็ม)	3	5	3	3.50-4.20	1.90

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 5 พฤษภาคม 2569) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)			ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	2635109-1	2635109-2	2635109-3		
Order Cypriniformes					
Family Cobitidae					
<i>Acantopsis</i> sp. (ปลารากกล้วย)	-	-	2	13.50-13.80	27.00
Family Cyprinidae					
<i>Cyclocheilichthys apogon</i> (ปลาไส้ตันตาแดง)	1	1	2	6.70-11.10	29.80
<i>Puntius brevis</i> (ปลาคะเพียนทราย)	9	2	8	3.10-11.10	109.50
<i>Rasbora paviana</i> (ปลาชีวกวายนแถบดำ)	4	9	12	4.10-8.60	107.00
<i>Systemus rubripinnus</i> (ปลาแก้มช้ำ)	-	-	1	6.50	3.60
Order Siluriformes					
Family Bagridae					
<i>Hemibagrus filamentus</i> (ปลากดเหลือง)	1	2	-	10.20-13.10	29.50
ชนิดสัตว์น้ำ	5	5	6	3.10-13.80	308.30
ปริมาณสัตว์น้ำ	18	19	28		
ดัชนีความหลากหลายสัตว์น้ำ	1.3006	1.3342	1.4564		

Sample Location : 1. สถานี 2635109-1 : คลองน้ำเขื่อนก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio1)
2. สถานี 2635109-2 : คลองน้ำเขื่อนจุดระบายน้ำทิ้งของโครงการ (Bio2)
3. สถานี 2635109-3 : คลองน้ำเขื่อนหลังจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio3)

Condition of Sample : fishing gear


(นายอรุณวุฒิ กันทะวงศ์)
ผู้วิเคราะห์


(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา

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

โทร./โทรสาร. (038) 311379

Client : WHA Industrial Development Public Company Limited

Address : Bankhai-Nonglalo Rd., Nonglalo, Bankhai, Rayong, Thailand, 21120

Project Name : Monitoring

Project Location : WHA ESIE 5

รายงานผลการวิเคราะห์พื้นที่

ตาราง ผลการวิเคราะห์พื้นที่ (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ		
			2635121-1	2635121-2	2635121-3
<u>พืชน้ำลอยน้ำ</u>					
Convolvulaceae	<i>Ipomoea aquatica</i>	ผักนึ่ง	+	-	+
Hydrocharitaceae	<i>Hydrocharis dubia</i>	ตบเต้านา	-	-	+
Lemnaceae	<i>Lemna perpusilla</i>	แหนเล็ก	-	-	+

ตาราง ผลการวิเคราะห์พื้นที่ (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569) (ต่อ)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ		
			2635121-1	2635121-2	2635121-3
พืชชายน้ำ					
Amaranthaceae	<i>Alternanthera sessilis</i>	ผักเป็ดไทย	+	-	+
Araceae	<i>Colocasia esculenta</i>	บอน	+	+	+
	<i>Lasia spinosa</i>	ผักหนาม	-	-	+
	<i>Synedrella nodiflora</i>	ผักแควแดง	+	+	-
Asteraceae	<i>Eclipta prostrata</i>	กะเม็ง	-	-	+
Athyriaceae	<i>Diplazium esculentum</i>	ผักกูด	+	+	-
Commelinaceae	<i>Commelina diffusa</i>	ผักปลานใบแคบ	++	+	+
Compositae	<i>Wedelia trilobata</i>	กระดุมทองเลื้อย	+	+	-
Cyperaceae	<i>Cyperus difformis</i>	กกขนาก	-	-	+
	<i>Cyperus iria</i>	กกทราย	-	-	+
	<i>Cyperus pigmaeus</i>	กกริงกา	+	+	-
	<i>Cyperus pilosus</i>	กกสามเหลี่ยม	+	+	+
	<i>Cyperus pulcherrimus</i>	แห้วหมูนา	-	+	-
Mimosaceae	<i>Mimosa pigra</i>	ไมยราบยักษ์	+	-	+
Onagraceae	<i>Jussiaea linifolia</i>	เทียนนา	+	+	+

ตาราง ผลการวิเคราะห์พืชน้ำ (เก็บตัวอย่างวันที่ 5 พฤษภาคม 2569) (ต่อ)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ		
			2635121-1	2635121-2	2635121-3
Parkeriaceae	<i>Ceratopteris thalictroides</i>	ผักกูดเขาควาง	-	+	-
Poaceae	<i>Brachiaria mutica</i>	หญ้าขน	++	++	++
	<i>Brachiaria reptans</i>	หญ้าตีนติด	+	++	++
	<i>Leptochloa chinensis</i>	หญ้าดอกขาว	++	++	++
	<i>Phragmites karka</i>	แขม	+	-	+
Polygonaceae	<i>Polygonum glabrum</i>	ผักไผ่น้ำ	+	+	+
	<i>Polygonum tomentosum</i>	เอื้องเผดัม	+	-	-
Pontederiaceae	<i>Monochoria vaginalis</i>	นิลubl	+	+	-
รวมจำนวนชนิดพืชที่พบทั้งหมด			18	15	18

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

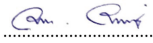
1. สถานี 2635121-1 : คลองน้ำเย็นก่อนจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio1)

2. สถานี 2635121-2 : คลองน้ำเย็นจุดระบายน้ำทิ้งของโครงการ (Bio2)

3. สถานี 2635121-3 : คลองน้ำเย็นหลังจุดระบายน้ำทิ้งของโครงการ 400 เมตร (Bio3)

Condition of Sample : Data sheet


(นายอรรถวุฒิ กันทะวงศ์)
ผู้วิเคราะห์


(นายอลงกต อินทราชดิ)
หัวหน้าสถานีวิจัยประมงศรีราชา