

ภาคผนวก ค

ผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม

ภาคผนวก ค-1

คุณภาพอากาศจากแหล่งกำเนิด



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321055
Date Received : Sep 21, 2023
Date Reported : Sep 28, 2023
Report Number : 2576895-1

Page 1 of 3

Sample Number : 2321055-1
Sampled Date : Sep 20, 2023
Sample Description : Emission from Stationary Source
Location : Furnace 1 (GPS 47P 0734130, 1404515)
Parameter : NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	20 Sep 23	11:20	11:40	13.16	14.65	11.34	12.87	1.53
2	20 Sep 23	11:41	12:01	13.19	14.69	11.47	12.97	1.50
3	20 Sep 23	12:02	12:22	12.64	14.38	11.07	12.78	1.71
4	20 Sep 23	12:23	12:43	12.42	14.22	10.82	12.63	1.81
5	20 Sep 23	12:44	13:04	11.81	13.42	10.11	11.69	1.58
6	20 Sep 23	13:05	13:25	11.94	13.48	10.29	11.81	1.52
7	20 Sep 23	13:26	13:46	12.38	14.15	10.74	12.48	1.74
8*	20 Sep 23	13:47	14:07	12.66	14.64	11.05	12.99	1.94
9*	20 Sep 23	14:08	14:28	12.21	14.20	10.68	12.57	1.89
10	20 Sep 23	14:29	14:49	12.34	14.36	10.82	12.70	1.88
11	20 Sep 23	14:50	15:10	12.17	13.98	10.35	11.96	1.61
12*	20 Sep 23	15:11	15:31	12.56	14.64	10.89	12.79	1.89
Average						10.78	12.43	1.65
Confidence Coefficient (CC)								0.11
Relative Accuracy (Compared with RM) (%)								14.14
Relative Accuracy Criteria ^{1/} (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management
Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-6113

Approved by
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-4702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321055
Date Received : Sep 21, 2023
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Sample Number : 2321055-1
Sampled Date : Sep 20, 2023
Sample Description : Emission from Stationary Source
Location : Furnace 1 (GPS 47P 0734130, 1404515)
Parameter : CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	20 Sep 23	11:20	11:40	4.01	0.34	3.45	0.30	-3.15
2	20 Sep 23	11:41	12:01	3.70	0.50	3.22	0.44	-2.77
3	20 Sep 23	12:02	12:22	3.78	0.52	3.31	0.47	-2.84
4	20 Sep 23	12:23	12:43	4.00	0.50	3.48	0.44	-3.04
5*	20 Sep 23	12:44	13:04	4.71	0.49	4.03	0.43	-3.61
6	20 Sep 23	13:05	13:25	3.71	0.46	3.20	0.40	-2.80
7*	20 Sep 23	13:26	13:46	4.49	0.46	3.89	0.41	-3.49
8	20 Sep 23	13:47	14:07	3.81	0.39	3.33	0.35	-2.98
9	20 Sep 23	14:08	14:28	4.01	0.41	3.51	0.36	-3.14
10	20 Sep 23	14:29	14:49	3.87	0.37	3.40	0.33	-3.07
11	20 Sep 23	14:50	15:10	3.67	0.51	3.12	0.43	-2.69
12	20 Sep 23	15:11	15:31	3.64	0.70	3.16	0.61	-2.55
Average						3.30	0.43	-2.88
Confidence Coefficient (CC)								0.15
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)								0.44
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard)								≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of CO is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 4 (PS-4) compared with

Emission Standard 690 ppm at 7%O2

RA Result is within Criteria

Technical Management
Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-6113

Approved by
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-4702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321055
Date Received : Sep 21, 2023
Date Reported : Sep 28, 2023
Report Number : 2576895-1

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Sample Number 2321055-1
Sampled Date Sep 20, 2023
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Parameter O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	20 Sep 23	11:20	11:40	4.76	5.07	0.31
2	20 Sep 23	11:41	12:01	4.92	5.16	0.24
3	20 Sep 23	12:02	12:22	5.03	5.26	0.23
4*	20 Sep 23	12:23	12:43	4.94	5.25	0.31
5*	20 Sep 23	12:44	13:04	4.67	4.95	0.28
6	20 Sep 23	13:05	13:25	4.78	5.04	0.26
7	20 Sep 23	13:26	13:46	4.88	5.14	0.26
8	20 Sep 23	13:47	14:07	4.98	5.24	0.26
9	20 Sep 23	14:08	14:28	5.01	5.20	0.19
10	20 Sep 23	14:29	14:49	5.05	5.19	0.14
11	20 Sep 23	14:50	15:10	4.56	4.66	0.10
12	20 Sep 23	15:11	15:31	4.87	4.98	0.12
Average				4.90	5.10	0.20
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.20
Relative Accuracy Criteria ^{1/} (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Saksit Phaisanphisit

Technical Management

Wichan Choonharat
Manager

ทะเบียนเลขที่ 2-204-ก-6113

Approved by

Sarayuth Jittrantont
Assistant General Manager

ทะเบียนเลขที่ 2-204-ก-4702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321055
Date Received : Sep 21, 2023
Date Reported : Sep 28, 2023
Report Number : 2576895-1

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Sample Number 2321055-1
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Measurement Date Sep 20, 2023

Stack Description

Ambient Temperature	33	°C	Diameter	1.40	m	Oxygen	5.16	%
Ambient Pressure	756	mmHg	Shape	Circle		Carbon dioxide	9.74	%
Type of Process	Combustion		Stack Temperature	193	°C	Gas Velocity	6.14	m/s
Type of Fuel	Natural Gas		Moisture	12.32	%	Flow Rate	18979	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Carbon Monoxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	11:20 AM - 11:40 AM	5.07	9.80	14.65	12.87	0.34	0.30
2	11:41 AM - 12:01 PM	5.16	9.75	14.69	12.97	0.50	0.44
3	12:02 PM - 12:22 PM	5.26	9.68	14.38	12.78	0.52	0.47
Average (ppm)		5.16	9.74	14.58	12.87	0.46	0.40
Guideline ^{1/} (ppm)				-	200	-	690
Guideline ^{2/} (ppm)				-	25	-	-
Result (mg/Nm ³)				27.42	24.22	0.52	0.46
Emission Rate at Actual O ₂ (g/s)				0.1446		0.0028	
Method				US EPA Method 7E		US EPA Method 10	

Sampled By : Saksit Phaisanphisit

Guideline : ^{1/} Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
^{2/} Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated March 5, 2014 (B.E.2557)

Technical Management

Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-6113

Approved by

Sarayuth Jittrantont
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-4702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321055
Date Received : Sep 21, 2023
Date Reported : Sep 28, 2023
Report Number : 2576895-1

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Sample Number : 2321055-1
Sample Description : Emission from Stationary Source
Location : Furnace 1 (GPS 47P 0734130, 1404515)
Measurement Date : Sep 20, 2023

		Stack Description			
Ambient Temperature	33 °C	Diameter	1.40 m	Oxygen	5.16 %
Ambient Pressure	756 mmHg	Shape	Circle	Carbon dioxide	9.74 %
Type of Process	Combustion	Stack Temperature	193 °C	Gas Velocity	6.14 m/s
Type of Fuel	Natural Gas	Moisture	12.32 %	Flow Rate	18979 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)	
				at Actual O ₂	At 7% O ₂
1	11:20 AM - 11:40 AM	5.07	9.80	14.65	12.87
2	11:41 AM - 12:01 PM	5.16	9.75	14.69	12.97
3	12:02 PM - 12:22 PM	5.26	9.68	14.38	12.78
Average (ppm)		5.16	9.74	14.58	12.87
Guideline ^{1/} (ppm)				-	200
Guideline ^{2/} (ppm)				-	25
Result (mg/Nm ³)				27.42	24.22
Emission Rate at Actual O ₂ (g/s)				0.1446	
Guideline ^{2/} (g/s)				0.3900	
Method				US EPA Method 7E	

Sampled By : Saksit Phaisanphisit
Guideline : ^{1/} Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
^{2/} Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated March 5, 2014 (B.E.2557)

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager
โทร: 02-04-6113

Approved by

Sarayuth Jitranont

Sarayuth Jitranont
Assistant General Manager
โทร: 02-04-4702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321059
Date Received : Sep 20, 2023
Date Reported : Sep 27, 2023
Report Number : 2576908-1

Page 1 of 1

Sample Number : 2321059-1
Sampled Date : Sep 20, 2023
Sample Description : Emission from Stationary Source
Location : Furnace 1
Date Analysis Commenced : Sep 21, 2023
Condition of Sample : Extracted into one 10-L air sampling bag

		Stack Description			
Ambient Pressure	756 mmHg	Diameter	1.40 m	Oxygen	5.2 %
Ambient Temperature	33.0 °C	Shape	Circle	Carbon Dioxide	9.7 %
Type of Process	Combustion	Stack Temperature	193 °C	Gas Velocity	6.1 m/s
Type of Fuel	Natural Gas	Moisture	12.47 %	Flow Rate (Actual O ₂)	18945 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Methane as Propane	11:10 AM - 11:20 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	11:10 AM - 11:20 AM	ppm	-	0.4	6.7	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	11:10 AM - 11:20 AM	ppm	-	0.4	6.7	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Jittakorn Sriwasa

Remark :

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

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321056
Date Received : Sep 21, 2023
Date Reported : Sep 28, 2023
Report Number : 2576899-1

Page 1 of 3

Sample Number : 2321056-1
Sampled Date : Sep 20, 2023
Sample Description : Emission from Stationary Source
Location : Furnace 2 (GPS 47P 0734143, 1404493)
Parameter : NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	20 Sep 23	11:50	12:10	16.58	18.55	16.23	17.88	1.65
2	20 Sep 23	12:11	12:31	16.48	18.28	16.17	17.61	1.44
3	20 Sep 23	12:32	12:52	16.64	18.53	16.29	17.80	1.50
4*	20 Sep 23	12:53	13:13	16.05	18.21	15.65	17.40	1.75
5*	20 Sep 23	13:14	13:34	16.02	18.21	15.53	17.37	1.83
6*	20 Sep 23	13:35	13:55	16.85	19.02	16.43	18.20	1.77
7	20 Sep 23	13:56	14:16	17.52	19.37	17.20	18.66	1.46
8	20 Sep 23	14:17	14:37	19.12	19.72	19.42	19.72	0.30
9	20 Sep 23	14:38	14:58	17.44	18.73	17.21	18.23	1.02
10	20 Sep 23	14:59	15:19	17.29	18.64	16.96	18.01	1.05
11	20 Sep 23	15:20	15:40	17.59	18.77	17.24	18.13	0.89
12	20 Sep 23	15:41	16:01	18.00	19.09	17.70	18.50	0.80
Average						17.16	18.28	1.12
Confidence Coefficient (CC)								0.33
Relative Accuracy (Compared with RM) (%)								7.95
Relative Accuracy Criteria ^{1/} (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management

Wichan Choonharat

Manager

ทะเบียนเลขที่ 2-204-ก-6113

Approved by

Sarayuth Jittrant

Assistant General Manager

ทะเบียนเลขที่ 2-204-ก-4702

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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321056
Date Received : Sep 21, 2023
Date Reported : Sep 28, 2023
Report Number : 2576899-1

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Sample Number : 2321056-1
Sampled Date : Sep 20, 2023
Sample Description : Emission from Stationary Source
Location : Furnace 2 (GPS 47P 0734143, 1404493)
Parameter : CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	20 Sep 23	11:50	12:10	51.64	43.38	50.54	41.81	-8.73
2	20 Sep 23	12:11	12:31	59.39	48.85	58.28	47.07	-11.20
3	20 Sep 23	12:32	12:52	52.54	41.97	51.43	40.30	-11.13
4*	20 Sep 23	12:53	13:13	59.22	45.22	57.77	43.23	-14.54
5	20 Sep 23	13:14	13:34	53.16	42.50	51.56	40.52	-11.04
6	20 Sep 23	13:35	13:55	36.66	30.78	35.75	29.46	-6.29
7	20 Sep 23	13:56	14:16	38.39	30.86	37.71	29.74	-7.97
8*	20 Sep 23	14:17	14:37	47.68	35.11	46.43	35.11	-13.32
9*	20 Sep 23	14:38	14:58	46.89	32.00	46.28	31.14	-15.14
10	20 Sep 23	14:59	15:19	36.78	27.15	36.09	26.24	-9.84
11	20 Sep 23	15:20	15:40	31.71	24.84	31.07	23.99	-7.08
12	20 Sep 23	15:41	16:01	36.46	25.83	35.86	25.03	-10.83
Average						43.14	33.80	-9.34
Confidence Coefficient (CC)								1.46
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)								1.57
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard)								≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of CO is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 4 (PS-4) compared with

Emission Standard 690 ppm at 7%O2

RA Result is within Criteria

Technical Management

Wichan Choonharat

Manager

ทะเบียนเลขที่ 2-204-ก-6113

Approved by

Sarayuth Jittrant

Assistant General Manager

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P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321056
Date Received : Sep 21, 2023
Date Reported : Sep 28, 2023
Report Number : 2576899-1

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Sample Number 2321056-1
Sampled Date Sep 20, 2023
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Parameter O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	20 Sep 23	11:50	12:10	6.70	6.48	-0.22
2	20 Sep 23	12:11	12:31	6.73	6.48	-0.26
3*	20 Sep 23	12:32	12:52	6.70	6.42	-0.28
4*	20 Sep 23	12:53	13:13	6.65	6.36	-0.29
5	20 Sep 23	13:14	13:34	6.57	6.32	-0.25
6	20 Sep 23	13:35	13:55	6.65	6.38	-0.27
7*	20 Sep 23	13:56	14:16	6.75	6.48	-0.27
8	20 Sep 23	14:17	14:37	7.21	7.00	-0.21
9	20 Sep 23	14:38	14:58	6.82	6.62	-0.20
10	20 Sep 23	14:59	15:19	6.73	6.52	-0.21
11	20 Sep 23	15:20	15:40	6.71	6.51	-0.21
12	20 Sep 23	15:41	16:01	6.77	6.56	-0.21
Average				6.77	6.54	-0.23
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.23
Relative Accuracy Criteria ^{1/} (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Saksit Phaisanphisit

Technical Management


Wichan Choonharat
Manager

ทะเบียนเลขที่ 2-204-ก-6113

Approved by


Sarayuth Jittrantont
Assistant General Manager

ทะเบียนเลขที่ 2-204-ก-4702

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S:\Report\Stack_CEN\1111



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321056
Date Received : Sep 21, 2023
Date Reported : Sep 28, 2023
Report Number : 2576899-1

Page 1 of 1

Sample Number 2321056-1
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Measurement Date Sep 20, 2023

Stack Description

Ambient Temperature	33	°C	Diameter	1.53	m	Oxygen	6.60	%
Ambient Pressure	756	mmHg	Shape	Circle		Carbon dioxide	8.81	%
Type of Process	Combustion		Stack Temperature	176	°C	Gas Velocity	4.61	m/s
Type of Fuel	Natural Gas		Moisture	13.04	%	Flow Rate	17512	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Carbon Monoxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	03:35 PM - 03:55 PM	6.55	8.84	19.03	18.43	25.69	24.88
2	03:56 PM - 04:16 PM	6.61	8.80	19.21	18.68	24.65	23.98
3	04:17 PM - 04:37 PM	6.65	8.78	19.23	18.76	25.71	25.09
Average (ppm)		6.60	8.81	19.15	18.62	25.35	24.65
Guideline ^{1/} (ppm)				-	200	-	690
Guideline ^{2/} (ppm)				-	25	-	-
Result (mg/Nm ³)				36.04	35.03	29.03	28.23
Emission Rate at Actual O ₂ (g/s)				0.1753		0.1412	
Method				US EPA Method 7E		US EPA Method 10	

Sampled By : Saksit Phaisanphisit

Guideline : ^{1/} Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
^{2/} Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated March 5, 2014 (B.E.2557)

Technical Management


Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-6113

Approved by


Sarayuth Jittrantont
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-4702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321056
Date Received : Sep 21, 2023
Date Reported : Sep 28, 2023
Report Number : 2576899-1

Page 1 of 1

Sample Number : 2321056-1
Sample Description : Emission from Stationary Source
Location : Furnace 2 (GPS 47P 0734143, 1404493)
Measurement Date : Sep 20, 2023

Stack Description					
Ambient Temperature	33 °C	Diameter	1.53 m	Oxygen	6.60 %
Ambient Pressure	756 mmHg	Shape	Circle	Carbon dioxide	8.81 %
Type of Process	Combustion	Stack Temperature	176 °C	Gas Velocity	4.61 m/s
Type of Fuel	Natural Gas	Moisture	13.04 %	Flow Rate	17512 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)	
				at Actual O ₂	At 7% O ₂
1	03:35 PM - 03:55 PM	6.55	8.84	19.03	18.43
2	03:56 PM - 04:16 PM	6.61	8.80	19.21	18.68
3	04:17 PM - 04:37 PM	6.65	8.78	19.23	18.76
Average (ppm)		6.60	8.81	19.15	18.62
Guideline ^{1/} (ppm)				-	200
Guideline ^{2/} (ppm)				-	25
Result (mg/Nm ³)				36.04	35.03
Emission Rate at Actual O ₂ (g/s)				0.1753	
Guideline ^{2/} (g/s)				0.4290	
Method				US EPA Method 7E	

Sampled By : Saksit Phaisanphisit
Guideline : ^{1/}Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
^{2/} Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated March 5, 2014 (B.E.2557)

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
หมายเลขโทรศัพท์ 2-204-6113

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager
หมายเลขโทรศัพท์ 2-204-4702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2321063
Date Received : Sep 20, 2023
Date Reported : Sep 27, 2023
Report Number: 2576913-1

Page 1 of 1

Sample Number : 2321063-1
Sampled Date : Sep 20, 2023
Sample Description : Emission from Stationary Source
Location : Furnace 2 (47P 0734143, 1404493)
Date Analysis Commenced : Sep 21, 2023
Condition of Sample : Extracted into one 10-L air sampling bag

Stack Description					
Ambient Pressure	756 mmHg	Diameter	1.53 m	Oxygen	6.6 %
Ambient Temperature	33.0 °C	Shape	Circle	Carbon Dioxide	8.8 %
Type of Process	Combustion	Stack Temperature	176 °C	Gas Velocity	4.6 m/s
Type of Fuel	Natural Gas	Moisture	13.04 %	Flow Rate (Actual O ₂)	17482 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Methane as Propane	04:20 PM - 04:30 PM	ppm	-	0.4	0.5	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	04:20 PM - 04:30 PM	ppm	-	0.4	0.6	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	04:20 PM - 04:30 PM	ppm	-	0.4	1.1	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Sathaporn Thakarnv

Remark :

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

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Approved by

Thanita K.
Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106907

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773649-1

Page 1 of 1

Sample Number 23106907-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Hold Up Hopper 1 (GPS 47P 0733995, 1404455)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.25	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	44.0	°C	Gas Velocity	3.6	m/s
Type of Fuel	-		Moisture	2.92	%	Flow Rate (Actual O2)	572	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	09:40 AM - 09:50 AM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Siriwit Ruangsom

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
หมายเลข 1-323-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager
หมายเลข 1-323-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106907

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773649-2

Page 1 of 1

Sample Number 23106907-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Hold Up Hopper 1 (GPS 47P 0733995, 1404455)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.25	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	44.0	°C	Gas Velocity	3.6	m/s
Type of Fuel	-		Moisture	2.92	%	Flow Rate (Actual O2)	572	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	09:40 AM - 09:50 AM	ppm	-	1.0	2535	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	09:30 AM - 09:40 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	09:30 AM - 09:40 AM	ppm	-	0.4	443	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	09:30 AM - 09:40 AM	ppm	-	0.4	443	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106913

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773654-1

Page 1 of 1

Sample Number 23106913-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Hold Up Hopper 2 (GPS 47P 0734013, 1404453)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.20	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	44.0	°C	Gas Velocity	7.0	m/s
Type of Fuel	-		Moisture	2.92	%	Flow Rate (Actual O2)	723	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	11:10 AM - 11:20 AM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Siriwit Ruangsom

Remark :

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

Technical Management

Thanita Kulsuriwong

Scientist (4)
หมายเลข 1-323-9447

Approved by

Dej Changchon

Senior Manager
หมายเลข 1-323-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106913

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773654-2

Page 1 of 1

Sample Number 23106913-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Hold Up Hopper 2 (GPS 47P 0734013, 1404453)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.20	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	44.0	°C	Gas Velocity	7.0	m/s
Type of Fuel	-		Moisture	2.92	%	Flow Rate (Actual O2)	723	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	11:10 AM - 11:20 AM	ppm	-	1.0	13140	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	11:00 AM - 11:10 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	11:00 AM - 11:10 AM	ppm	-	0.4	273	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	11:00 AM - 11:10 AM	ppm	-	0.4	273	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106909

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773651-1

Page 1 of 1

Sample Number 23106909-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Blenders 1(GPS 47P 0733984, 1404492)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.60	m	Oxygen	20.9	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	32.0	°C	Gas Velocity	1.1	m/s
Type of Fuel	-		Moisture	2.73	%	Flow Rate (Actual O2)	1059	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	10:20 AM - 10:30 AM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Jittakorn Sriwasa

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
หมายเลข 1-323-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager
หมายเลข 1-323-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106909

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773651-2

Page 1 of 1

Sample Number 23106909-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Blenders 1(GPS 47P 0733984, 1404492)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.60	m	Oxygen	20.9	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	32.0	°C	Gas Velocity	1.1	m/s
Type of Fuel	-		Moisture	2.73	%	Flow Rate (Actual O2)	1059	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	10:20 AM - 10:30 AM	ppm	-	1.0	236	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	10:30 AM - 10:40 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	10:30 AM - 10:40 AM	ppm	-	0.4	489	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	10:30 AM - 10:40 AM	ppm	-	0.4	489	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Jittakorn Sriwasa

Remark :

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

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S:\Report\Air Stack_NGL.rpt (11:00AM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106915

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773657-1

Page 1 of 1

Sample Number 23106915-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.30	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	40.0	°C	Gas Velocity	3.0	m/s
Type of Fuel	-		Moisture	2.48	%	Flow Rate (Actual O2)	697	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	02:40 PM - 02:50 PM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Siriwit Ruangsom

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

หมายเลข 1-323-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager

หมายเลข 1-323-9442

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S:\Reports\Air Stack_GL.rpt (11:37AM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106915

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773657-2

Page 1 of 1

Sample Number 23106915-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.30	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	40.0	°C	Gas Velocity	3.0	m/s
Type of Fuel	-		Moisture	2.48	%	Flow Rate (Actual O2)	697	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	02:40 PM - 02:50 PM	ppm	-	1.0	7170	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	02:30 PM - 02:40 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	02:30 PM - 02:40 PM	ppm	-	0.4	326	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	02:30 PM - 02:40 PM	ppm	-	0.4	326	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106911

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773652-1

Page 1 of 1

Sample Number 23106911-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Spin Dryer 1 (GPS 47P 0733967, 1404426)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.63 x 0.63	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Square		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	45.0	°C	Gas Velocity	7.2	m/s
Type of Fuel	-		Moisture	2.70	%	Flow Rate (Actual O2)	9374	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	10:10 AM - 10:20 AM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Siriwit Ruangsom

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
หมายเลข 1-323-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager
หมายเลข 1-323-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106911

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773652-2

Page 1 of 1

Sample Number 23106911-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Spin Dryer 1 (GPS 47P 0733967, 1404426)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.63 x 0.63	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Square		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	45.0	°C	Gas Velocity	7.2	m/s
Type of Fuel	-		Moisture	2.70	%	Flow Rate (Actual O2)	9374	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	10:10 AM - 10:20 AM	ppm	-	1.0	271	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	10:00 AM - 10:10 AM	ppm	-	0.4	1.0	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	10:00 AM - 10:10 AM	ppm	-	0.4	12.7	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	10:00 AM - 10:10 AM	ppm	-	0.4	13.7	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106912

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773653-1

Page 1 of 1

Sample Number 23106912-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Spin Dryer 2 (GPS 47P 0733732, 1404276)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.63 x 0.80	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Rectangular		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	47.0	°C	Gas Velocity	7.5	m/s
Type of Fuel	-		Moisture	2.48	%	Flow Rate (Actual O2)	12306	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	10:40 AM - 10:50 AM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Siriwit Ruangsom

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

หมายเลข 1-323-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager

หมายเลข 1-323-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106912

Date Received : Sep 21, 2023

Date Reported : Sep 29, 2023

Report Number: 2773653-2

Page 1 of 1

Sample Number 23106912-1
Sampled Date Sep 21, 2023
Sample Description Emission from Stationary Source
Location Spin Dryer 2 (GPS 47P 0733732, 1404276)
Date Analysis Commenced Sep 22, 2023
Condition of Sample Extracted into two 10-L air sampling bags

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.63 x 0.80	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Rectangular		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	47.0	°C	Gas Velocity	7.5	m/s
Type of Fuel	-		Moisture	2.48	%	Flow Rate (Actual O2)	12306	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	10:40 AM - 10:50 AM	ppm	-	1.0	6640	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	10:30 AM - 10:40 AM	ppm	-	0.4	1.0	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	10:30 AM - 10:40 AM	ppm	-	0.4	14.1	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	10:30 AM - 10:40 AM	ppm	-	0.4	15.1	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

111 True Digital Park West, Unicorn Building, 8th Floor, Sukhumvit Road, Bangchak, Prakanong, Bangkok Thailand 10260

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23106850

Date Received : Sep 26, 2023

Date Reported : Sep 30, 2023

Report Number : 2773586-1CS

Page 1 of 1

Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉางประจักษ์) (GPS 47P 0735531, 1402769)
Parameter Nitrogen dioxide (ppm)
Measurement Date Sep 14, 2023 - Sep 21, 2023
Measurement by Sitpawit Suwannarat

Time	23106850-1 Sep 14, 2023	23106850-2 Sep 15, 2023	23106850-3 Sep 16, 2023	23106850-4 Sep 17, 2023	23106850-5 Sep 18, 2023	23106850-6 Sep 19, 2023	23106850-7 Sep 20, 2023
11:00 AM - 12:00 PM	0.010	0.004	0.006	0.010	0.009	0.007	0.007
12:00 PM - 01:00 PM	0.001	0.003	0.004	0.008	0.007	0.007	0.015
01:00 PM - 02:00 PM	0.002	0.003	0.004	0.005	0.006	0.006	0.011
02:00 PM - 03:00 PM	0.003	0.004	0.005	0.004	0.007	0.009	0.009
03:00 PM - 04:00 PM	0.004	0.004	0.006	0.005	0.005	0.006	0.008
04:00 PM - 05:00 PM	0.004	0.004	0.005	0.005	0.007	0.007	0.006
05:00 PM - 06:00 PM	0.004	0.004	0.004	0.006	0.006	0.007	0.007
06:00 PM - 07:00 PM	0.005	0.008	0.005	0.006	0.008	0.010	0.008
07:00 PM - 08:00 PM	0.005	0.006	0.011	0.008	0.011	0.015	0.010
08:00 PM - 09:00 PM	0.007	0.011	0.012	0.014	0.013	0.015	0.014
09:00 PM - 10:00 PM	0.010	0.017	0.014	0.013	0.014	0.016	0.013
10:00 PM - 11:00 PM	0.011	0.014	0.010	0.012	0.012	0.021	0.012
11:00 PM - 12:00 AM	0.012	0.009	0.008	0.009	0.008	0.016	0.014
12:00 AM - 01:00 AM	0.010	0.005	0.007	0.008	0.007	0.010	0.009
01:00 AM - 02:00 AM	0.008	0.005	0.008	0.007	0.008	0.009	0.010
02:00 AM - 03:00 AM	0.008	0.006	0.009	0.010	0.008	0.014	0.008
03:00 AM - 04:00 AM	0.008	0.008	0.007	0.008	0.007	0.009	0.013
04:00 AM - 05:00 AM	0.007	0.006	0.004	0.005	0.005	0.013	0.008
05:00 AM - 06:00 AM	0.005	0.005	0.006	0.008	0.007	0.011	0.011
06:00 AM - 07:00 AM	0.008	0.003	0.010	0.010	0.009	0.013	0.006
07:00 AM - 08:00 AM	0.008	0.004	0.013	0.010	0.015	0.016	0.010
08:00 AM - 09:00 AM	0.011	0.008	0.016	0.015	0.017	0.010	0.013
09:00 AM - 10:00 AM	0.011	0.019	0.021	0.018	0.015	0.014	0.020
10:00 AM - 11:00 AM	0.006	0.009	0.012	0.012	0.009	0.011	0.013
Average	0.007	0.007	0.009	0.009	0.009	0.011	0.011
1hr - Maximum	0.012	0.019	0.021	0.018	0.017	0.021	0.020
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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6506-83 EMAIL



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

111 True Digital Park West, Unicorn Building, 8th Floor, Sukhumvit Road, Bangchak, Prakanong, Bangkok Thailand 10260

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23106851

Date Received : Sep 26, 2023

Date Reported : Sep 30, 2023

Report Number : 2773587-1CS

Page 1 of 1

Sample Description Air Quality
Location บ้านฉางประจักษ์ (GPS 47P 0735346, 1406705)
Parameter Nitrogen dioxide (ppm)
Measurement Date Sep 14, 2023 - Sep 21, 2023
Measurement by Sitpawit Suwannarat

Time	23106851-1 Sep 14, 2023	23106851-2 Sep 15, 2023	23106851-3 Sep 16, 2023	23106851-4 Sep 17, 2023	23106851-5 Sep 18, 2023	23106851-6 Sep 19, 2023	23106851-7 Sep 20, 2023
10:00 AM - 11:00 AM	0.013	0.016	0.015	0.017	0.019	0.018	0.016
11:00 AM - 12:00 PM	0.014	0.018	0.015	0.017	0.017	0.016	0.015
12:00 PM - 01:00 PM	0.014	0.017	0.015	0.018	0.018	0.017	0.014
01:00 PM - 02:00 PM	0.010	0.016	0.015	0.017	0.017	0.015	0.014
02:00 PM - 03:00 PM	0.010	0.018	0.015	0.017	0.017	0.015	0.013
03:00 PM - 04:00 PM	0.015	0.018	0.016	0.015	0.016	0.014	0.014
04:00 PM - 05:00 PM	0.018	0.018	0.017	0.014	0.017	0.014	0.015
05:00 PM - 06:00 PM	0.012	0.020	0.020	0.017	0.020	0.016	0.016
06:00 PM - 07:00 PM	0.009	0.017	0.025	0.019	0.008	0.017	0.016
07:00 PM - 08:00 PM	0.013	0.015	0.024	0.020	0.012	0.024	0.024
08:00 PM - 09:00 PM	0.012	0.012	0.020	0.020	0.014	0.025	0.024
09:00 PM - 10:00 PM	0.013	0.010	0.018	0.006	0.011	0.022	0.010
10:00 PM - 11:00 PM	0.011	0.014	0.010	0.010	0.011	0.010	0.011
11:00 PM - 12:00 AM	0.008	0.013	0.014	0.008	0.006	0.010	0.012
12:00 AM - 01:00 AM	0.010	0.012	0.011	0.006	0.007	0.011	0.010
01:00 AM - 02:00 AM	0.012	0.014	0.007	0.005	0.007	0.012	0.008
02:00 AM - 03:00 AM	0.013	0.009	0.008	0.006	0.009	0.009	0.011
03:00 AM - 04:00 AM	0.010	0.010	0.010	0.007	0.008	0.011	0.012
04:00 AM - 05:00 AM	0.008	0.008	0.008	0.007	0.008	0.011	0.014
05:00 AM - 06:00 AM	0.012	0.013	0.004	0.011	0.007	0.023	0.007
06:00 AM - 07:00 AM	0.012	0.014	0.019	0.017	0.015	0.027	0.008
07:00 AM - 08:00 AM	0.013	0.015	0.018	0.018	0.017	0.023	0.007
08:00 AM - 09:00 AM	0.013	0.016	0.018	0.019	0.019	0.020	0.011
09:00 AM - 10:00 AM	0.014	0.016	0.018	0.020	0.019	0.017	0.009
Average	0.012	0.015	0.015	0.014	0.013	0.017	0.013
1hr - Maximum	0.018	0.020	0.025	0.020	0.020	0.027	0.024
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: **23106898**

Date Received : Sep 26, 2023

Date Reported : Sep 30, 2023

Report Number: 2773640-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานีวิทยุคมนาคม (GPS 47P 0735187, 1405873)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Sep 14, 2023 - Sep 21, 2023						
Measurement by	Sitpawit Suwannarat						
Time	23106898-1 Sep 14, 2023	23106898-2 Sep 15, 2023	23106898-3 Sep 16, 2023	23106898-4 Sep 17, 2023	23106898-5 Sep 18, 2023	23106898-6 Sep 19, 2023	23106898-7 Sep 20, 2023
10:00 AM - 11:00 AM	0.008	0.010	0.006	0.006	0.005	0.006	0.023
11:00 AM - 12:00 PM	0.012	0.008	0.007	0.011	0.004	0.005	0.022
12:00 PM - 01:00 PM	0.010	0.010	0.006	0.007	0.006	0.006	0.014
01:00 PM - 02:00 PM	0.005	0.007	0.005	0.005	0.009	0.003	0.013
02:00 PM - 03:00 PM	0.004	0.007	0.004	0.005	0.006	0.004	0.016
03:00 PM - 04:00 PM	0.008	0.009	0.010	0.005	0.008	0.006	0.012
04:00 PM - 05:00 PM	0.008	0.009	0.010	0.004	0.009	0.009	0.009
05:00 PM - 06:00 PM	0.008	0.010	0.009	0.007	0.007	0.008	0.011
06:00 PM - 07:00 PM	0.012	0.014	0.011	0.008	0.012	0.011	0.020
07:00 PM - 08:00 PM	0.014	0.015	0.013	0.009	0.015	0.011	0.020
08:00 PM - 09:00 PM	0.011	0.011	0.011	0.008	0.013	0.008	0.016
09:00 PM - 10:00 PM	0.010	0.012	0.016	0.006	0.013	0.006	0.008
10:00 PM - 11:00 PM	0.009	0.008	0.011	0.010	0.014	0.010	0.010
11:00 PM - 12:00 AM	0.011	0.011	0.008	0.008	0.008	0.015	0.012
12:00 AM - 01:00 AM	0.014	0.007	0.008	0.006	0.008	0.010	0.014
01:00 AM - 02:00 AM	0.013	0.008	0.008	0.005	0.011	0.010	0.006
02:00 AM - 03:00 AM	0.011	0.011	0.010	0.006	0.011	0.008	0.010
03:00 AM - 04:00 AM	0.008	0.012	0.010	0.007	0.011	0.008	0.010
04:00 AM - 05:00 AM	0.010	0.016	0.010	0.007	0.014	0.009	0.010
05:00 AM - 06:00 AM	0.014	0.014	0.013	0.011	0.014	0.006	0.011
06:00 AM - 07:00 AM	0.012	0.013	0.013	0.011	0.015	0.032	0.013
07:00 AM - 08:00 AM	0.010	0.009	0.015	0.008	0.014	0.026	0.017
08:00 AM - 09:00 AM	0.007	0.011	0.013	0.006	0.011	0.026	0.015
09:00 AM - 10:00 AM	0.007	0.010	0.012	0.005	0.006	0.026	0.017
Average	0.010	0.011	0.010	0.007	0.010	0.011	0.014
1hr - Maximum	0.014	0.016	0.016	0.011	0.015	0.032	0.023
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: **23106898**

Date Received : Sep 26, 2023

Date Reported : Sep 30, 2023

Report Number: 2793804-1

Page 1 of 1

Sample Description	Air Quality						
Location	ศูนย์วิจัยพืชไร่ จังหวัดระยอง (GPS 47P 0731794, 1408788)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Sep 14, 2023 - Sep 21, 2023						
Measurement by	Sitpawit Suwannarat						
Time	23106898-8 Sep 14, 2023	23106898-9 Sep 15, 2023	23106898-10 Sep 16, 2023	23106898-11 Sep 17, 2023	23106898-12 Sep 18, 2023	23106898-13 Sep 19, 2023	23106898-14 Sep 20, 2023
09:00 AM - 10:00 AM	0.003	0.012	0.008	0.007	0.013	0.005	0.010
10:00 AM - 11:00 AM	0.009	0.011	0.009	0.008	0.010	0.012	0.008
11:00 AM - 12:00 PM	0.009	0.010	0.006	0.004	0.008	0.023	0.008
12:00 PM - 01:00 PM	0.008	0.006	0.006	0.003	0.008	0.021	0.012
01:00 PM - 02:00 PM	0.008	0.007	0.007	0.003	0.009	0.017	0.018
02:00 PM - 03:00 PM	0.008	0.008	0.007	0.004	0.009	0.020	0.015
03:00 PM - 04:00 PM	0.007	0.007	0.007	0.005	0.014	0.012	0.010
04:00 PM - 05:00 PM	0.008	0.008	0.011	0.006	0.015	0.015	0.021
05:00 PM - 06:00 PM	0.013	0.012	0.010	0.006	0.012	0.031	0.030
06:00 PM - 07:00 PM	0.022	0.016	0.008	0.007	0.015	0.043	0.036
07:00 PM - 08:00 PM	0.021	0.013	0.005	0.020	0.016	0.045	0.030
08:00 PM - 09:00 PM	0.011	0.012	0.005	0.020	0.010	0.032	0.028
09:00 PM - 10:00 PM	0.011	0.010	0.005	0.006	0.011	0.032	0.026
10:00 PM - 11:00 PM	0.017	0.009	0.003	0.004	0.011	0.031	0.019
11:00 PM - 12:00 AM	0.012	0.010	0.002	0.003	0.010	0.030	0.019
12:00 AM - 01:00 AM	0.013	0.013	0.003	0.002	0.016	0.015	0.014
01:00 AM - 02:00 AM	0.010	0.014	0.004	0.005	0.016	0.009	0.015
02:00 AM - 03:00 AM	0.009	0.013	0.003	0.004	0.014	0.017	0.014
03:00 AM - 04:00 AM	0.007	0.013	0.004	0.007	0.009	0.012	0.008
04:00 AM - 05:00 AM	0.010	0.013	0.004	0.008	0.010	0.013	0.012
05:00 AM - 06:00 AM	0.017	0.025	0.005	0.007	0.016	0.019	0.009
06:00 AM - 07:00 AM	0.026	0.027	0.007	0.011	0.016	0.019	0.014
07:00 AM - 08:00 AM	0.027	0.019	0.007	0.021	0.015	0.025	0.014
08:00 AM - 09:00 AM	0.017	0.010	0.009	0.021	0.006	0.017	0.012
Average	0.013	0.012	0.006	0.008	0.012	0.022	0.017
1hr - Maximum	0.027	0.027	0.011	0.021	0.016	0.045	0.036
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 1 of 12

Sample Number 23106905-1
Sampled Date Sep 18, 2023
Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉาง) (GPS 47P 0735520, 1402767)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	18/09/23 - 19/09/23	ppm	-	0.4	0.6	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 2 of 12

Sample Number 23106905-2
Sampled Date Sep 19, 2023
Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉาง) (GPS 47P 0735520, 1402767)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	19/09/23 - 20/09/23	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
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P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

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Sample Number 23106905-3
Sampled Date Sep 20, 2023
Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉาง) (GPS 47P 0735520, 1402767)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	20/09/23 - 21/09/23	ppm	-	0.4	0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

Thanita K.

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P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 4 of 12

Sample Number 23106905-4
Sampled Date Sep 18, 2023
Sample Description Air Quality
Location บ้านฉางประจักษ์ (GPS 47P 0735346, 1406705)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	18/09/23 - 19/09/23	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
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Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 5 of 12

Sample Number 23106905-5
Sampled Date Sep 19, 2023
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735346, 1406705)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	19/09/23 - 20/09/23	ppm	-	0.4	0.6	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

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P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 6 of 12

Sample Number 23106905-6
Sampled Date Sep 20, 2023
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735346, 1406705)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	20/09/23 - 21/09/23	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 7 of 12

Sample Number 23106905-7
Sampled Date Sep 18, 2023
Sample Description Air Quality
Location สถานีอนามัยบ้านตาพุด (GPS 47P 0735187, 1405873)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	18/09/23 - 19/09/23	ppm	-	0.4	0.6	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

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Thanita Kulsuriwong
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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 8 of 12

Sample Number 23106905-8
Sampled Date Sep 19, 2023
Sample Description Air Quality
Location สถานีอนามัยบ้านตาพุด (GPS 47P 0735187, 1405873)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	19/09/23 - 20/09/23	ppm	-	0.4	1.0	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 9 of 12

Sample Number 23106905-9
Sampled Date Sep 20, 2023
Sample Description Air Quality
Location สถานีอนามัยนาตาพุด (GPS 47P 0735187, 1405873)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	20/09/23 - 21/09/23	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

Thanita K.

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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 10 of 12

Sample Number 23106905-10
Sampled Date Sep 18, 2023
Sample Description Air Quality
Location ศูนย์วิจัยพืชไร่ จังหวัดระยอง (GPS 47P 0731794, 1408788)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	18/09/23 - 19/09/23	ppm	-	0.4	0.9	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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4989-122/ EMAIL



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 11 of 12

Sample Number 23106905-11
Sampled Date Sep 19, 2023
Sample Description Air Quality
Location ศูนย์วิจัยปิโตรเลียมฯ จ.ระยอง (GPS 47P 0731794, 1408788)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	19/09/23 - 20/09/23	ppm	-	0.4	0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106905

Date Received : Sep 23, 2023

Date Reported : Oct 06, 2023

Report Number : 2773644-1C5

Page 12 of 12

Sample Number 23106905-12
Sampled Date Sep 20, 2023
Sample Description Air Quality
Location ศูนย์วิจัยปิโตรเลียมฯ จ.ระยอง (GPS 47P 0731794, 1408788)
Date Analysis Commenced Sep 25, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	20/09/23 - 21/09/23	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106855

Date Received : Sep 26, 2023

Date Reported : Oct 03, 2023

Report Number : 2773588-1 C5

Page 1 of 2

Sample Number 23106855-1 to 7

Parameter Wind Speed / Wind Direction

Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉางประจักษ์) (GPS 47P 0735531, 1402769)

Sampling Date Sep 14 - Sep 21, 2023

Sampling by Sitpawit Suwannarat

Time	Sep 14 - Sep 15, 2023			Sep 15 - Sep 16, 2023			Sep 16 - Sep 17, 2023			Sep 17 - Sep 18, 2023			Sep 18 - Sep 19, 2023			Sep 19 - Sep 20, 2023			Sep 20 - Sep 21, 2023		
	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	1.4	79.0	E	0.3	157.0	SSE	1.3	60.0	ENE	2.1	118.0	ESE	1.0	76.0	ENE	0.6	106.0	ESE	0.6	175.0	S
12:00 PM - 01:00 PM	0.3	0.0	N	0.3	72.0	ENE	1.0	0.0	N	0.7	101.0	E	0.9	108.0	ESE	0.4	105.0	ESE	1.3	174.0	S
01:00 PM - 02:00 PM	0.3	90.0	E	1.0	170.0	S	1.0	102.0	ESE	2.3	111.0	ESE	0.5	108.0	ESE	0.3	97.0	E	0.3	175.0	S
02:00 PM - 03:00 PM	1.1	115.0	ESE	1.2	95.0	E	1.9	90.0	E	0.8	99.0	E	0.3	87.0	E	0.8	125.0	SE	0.3	175.0	S
03:00 PM - 04:00 PM	0.8	81.0	E	1.0	58.0	ENE	0.6	158.0	SSE	0.2	-	-	0.4	160.0	SSE	0.5	81.0	E	0.5	179.0	S
04:00 PM - 05:00 PM	0.5	0.0	N	0.7	60.0	ENE	0.4	0.0	N	1.1	74.0	ENE	0.6	156.0	SSE	0.3	166.0	SSE	0.3	179.0	S
05:00 PM - 06:00 PM	1.5	81.0	E	1.3	146.0	SE	0.3	149.0	SSE	0.4	120.0	ESE	0.4	105.0	ESE	0.4	166.0	SSE	0.6	179.0	S
06:00 PM - 07:00 PM	0.5	206.0	SSW	1.7	80.0	E	1.0	55.0	NE	3.3	103.0	ESE	0.5	111.0	ESE	0.9	179.0	S	0.8	209.0	SSW
07:00 PM - 08:00 PM	1.3	53.0	NE	3.2	76.0	ENE	0.5	0.0	N	1.3	0.0	N	0.3	117.0	ESE	0.5	151.0	SSE	0.3	227.0	SW
08:00 PM - 09:00 PM	3.5	94.0	E	0.6	99.0	E	1.0	85.0	E	1.9	101.0	E	0.6	83.0	E	1.5	137.0	SE	1.8	0.0	N
09:00 PM - 10:00 PM	1.0	112.0	ESE	1.0	0.0	N	2.0	92.0	E	0.5	120.0	ESE	2.9	115.0	ESE	0.1	-	-	0.6	55.0	NE
10:00 PM - 11:00 PM	2.5	78.0	ENE	0.5	131.0	SE	1.4	87.0	E	1.3	130.0	SE	1.3	88.0	E	1.5	128.0	SE	0.9	129.0	SE
11:00 PM - 12:00 AM	5.5	102.0	ESE	1.9	144.0	SE	1.0	103.0	ESE	0.6	103.0	ESE	2.1	107.0	ESE	1.4	76.0	ENE	0.7	155.0	SSE
12:00 AM - 01:00 AM	2.2	75.0	ENE	2.0	81.0	E	3.1	106.0	ESE	0.3	128.0	SE	0.7	103.0	ESE	0.3	119.0	ESE	2.2	0.0	N
01:00 AM - 02:00 AM	2.8	106.0	ESE	1.3	121.0	ESE	1.9	127.0	SE	2.1	116.0	ESE	1.0	110.0	ESE	0.2	-	-	0.9	0.0	N
02:00 AM - 03:00 AM	0.9	103.0	ESE	4.0	58.0	ENE	0.8	124.0	SE	0.5	86.0	E	0.3	108.0	ESE	0.6	149.0	SSE	0.4	230.0	SW
03:00 AM - 04:00 AM	0.4	110.0	ESE	3.9	99.0	E	0.3	105.0	ESE	2.2	84.0	E	0.7	132.0	SE	1.1	108.0	ESE	0.6	202.0	SSW
04:00 AM - 05:00 AM	0.9	64.0	ENE	2.4	119.0	ESE	0.8	100.0	E	0.7	105.0	ESE	0.3	89.0	E	0.9	177.0	S	0.3	209.0	SSW
05:00 AM - 06:00 AM	0.6	86.0	E	0.6	0.0	N	2.3	94.0	E	0.3	128.0	SE	0.3	108.0	ESE	0.5	152.0	SSE	0.4	213.0	SSW
06:00 AM - 07:00 AM	1.9	137.0	SE	2.2	82.0	E	1.3	0.0	N	0.3	154.0	SSE	0.8	111.0	ESE	0.3	174.0	S	0.3	214.0	SW
07:00 AM - 08:00 AM	1.2	0.0	N	3.8	109.0	ESE	0.8	127.0	SE	0.5	104.0	ESE	0.3	132.0	SE	0.6	175.0	S	0.5	213.0	SSW
08:00 AM - 09:00 AM	0.3	163.0	SSE	1.5	90.0	E	1.3	127.0	SE	0.3	194.0	SSW	0.5	101.0	E	0.3	175.0	S	0.8	215.0	SW
09:00 AM - 10:00 AM	0.6	0.0	N	2.2	112.0	ESE	4.3	100.0	E	0.6	139.0	SE	0.3	99.0	E	0.5	175.0	S	0.7	214.0	SW
10:00 AM - 11:00 AM	0.5	191.0	S	0.3	104.0	ESE	2.9	92.0	E	0.9	111.0	ESE	0.3	113.0	ESE	0.4	175.0	S	0.7	0.0	N

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106855

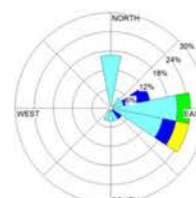
Date Received : Sep 26, 2023

Date Reported : Oct 03, 2023

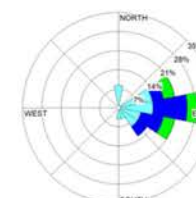
Report Number : 2773588-1 C5

Page 2 of 2

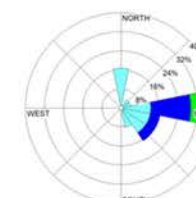
Wind Rose



Date : Sep 14-15, 2023



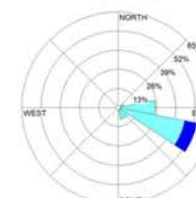
Date : Sep 15-16, 2023



Date : Sep 16-17, 2023



Date : Sep 17-18, 2023



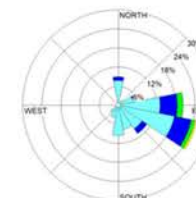
Date : Sep 18-19, 2023



Date : Sep 19-20, 2023



Date : Sep 20-21, 2023



Date : Sep 21-22, 2023

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.60
3.3-5.5	3.57
1.7-3.3	15.48
0.3-1.7	78.57
Calms	1.79

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106856

Date Received : Sep 26, 2023

Date Reported : Oct 03, 2023

Report Number : 2773590-1 C5

Page 1 of 2

Sample Number : 23106856-1 to 7

Parameter : Wind Speed / Wind Direction

Location : บ้านนาหวาด (GPS 47P 0735346, 1406705)

Sampling Date : Sep 14 - Sep 21, 2023

Sampling by : Sitpawit Suwannarat

Time	Sep 14 - Sep 15, 2023			Sep 15 - Sep 16, 2023			Sep 16 - Sep 17, 2023			Sep 17 - Sep 18, 2023			Sep 18 - Sep 19, 2023			Sep 19 - Sep 20, 2023			Sep 20 - Sep 21, 2023		
	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	0.3	33.0	NNE	0.3	38.0	NE	0.9	190.0	S	2.0	89.0	E	1.2	244.0	WSW	0.5	174.0	S	0.3	118.0	ESE
11:00 AM - 12:00 PM	0.3	92.0	E	0.8	52.0	NE	0.6	144.0	SE	1.7	7.0	N	0.6	195.0	SSW	0.6	210.0	SSW	0.5	58.0	ENE
12:00 PM - 01:00 PM	0.5	11.0	N	0.3	222.0	SW	1.8	112.0	ESE	1.4	207.0	SSW	0.3	125.0	SE	0.3	218.0	SW	0.6	8.0	N
01:00 PM - 02:00 PM	0.3	157.0	SSE	0.3	80.0	E	0.5	228.0	SW	0.6	237.0	WSW	0.5	166.0	SSE	0.5	222.0	SW	0.3	95.0	E
02:00 PM - 03:00 PM	0.6	1.0	N	0.4	106.0	ESE	1.5	85.0	E	0.9	101.0	E	0.3	33.0	NNE	0.6	13.0	NNE	0.5	236.0	SW
03:00 PM - 04:00 PM	0.6	206.0	SSW	0.7	157.0	SSE	2.3	179.0	S	1.0	208.0	SSW	1.2	9.0	N	0.3	200.0	SSW	1.2	97.0	E
04:00 PM - 05:00 PM	0.7	155.0	SSE	0.6	66.0	ENE	0.3	116.0	ESE	0.5	217.0	SW	0.3	255.0	WSW	0.3	181.0	S	1.6	118.0	ESE
05:00 PM - 06:00 PM	0.3	69.0	ENE	0.8	109.0	ESE	0.6	252.0	WSW	1.3	47.0	NE	0.6	30.0	NNE	1.0	192.0	SSW	0.3	82.0	E
06:00 PM - 07:00 PM	0.3	249.0	WSW	0.6	123.0	ESE	0.5	254.0	WSW	1.9	81.0	E	0.9	229.0	SW	0.6	78.0	ENE	0.3	21.0	NNE
07:00 PM - 08:00 PM	0.5	56.0	NE	0.5	83.0	E	0.3	96.0	E	1.7	231.0	SW	1.2	239.0	WSW	0.5	101.0	E	2.4	101.0	E
08:00 PM - 09:00 PM	2.4	218.0	SW	0.9	238.0	WSW	0.3	244.0	WSW	1.5	188.0	S	0.3	244.0	WSW	0.3	186.0	S	1.7	109.0	ESE
09:00 PM - 10:00 PM	1.3	17.0	NNE	5.3	37.0	NE	0.6	1.0	N	0.6	61.0	ENE	1.7	196.0	SSW	0.5	1.0	N	0.3	228.0	SW
10:00 PM - 11:00 PM	0.6	248.0	WSW	2.1	107.0	ESE	1.3	0.0	N	1.2	151.0	SSE	1.3	183.0	S	0.3	185.0	S	0.3	38.0	NE
11:00 PM - 12:00 AM	1.5	111.0	ESE	0.5	59.0	ENE	0.8	190.0	S	1.2	173.0	S	0.6	192.0	SSW	0.6	229.0	SW	0.8	26.0	NNE
12:00 AM - 01:00 AM	3.4	173.0	S	1.2	197.0	SSW	1.4	43.0	NE	3.0	71.0	ENE	0.3	246.0	WSW	0.5	134.0	SE	0.6	215.0	SW
01:00 AM - 02:00 AM	0.3	85.0	E	1.6	9.0	N	0.8	122.0	ESE	0.9	20.0	NNE	0.9	6.0	N	0.7	166.0	SSE	0.6	209.0	SSW
02:00 AM - 03:00 AM	1.3	27.0	NNE	1.5	106.0	ESE	1.5	82.0	E	1.2	41.0	NE	1.3	35.0	NE	0.3	55.0	NE	0.8	217.0	SW
03:00 AM - 04:00 AM	0.7	72.0	ENE	2.0	228.0	SW	0.3	241.0	WSW	2.3	204.0	SSW	0.6	147.0	SSE	0.4	199.0	SSW	0.3	237.0	WSW
04:00 AM - 05:00 AM	2.2	176.0	S	2.8	249.0	WSW	0.4	212.0	SSW	1.6	235.0	SW	0.5	229.0	SW	1.2	113.0	ESE	1.3	35.0	NE
05:00 AM - 06:00 AM	0.8	146.0	SE	0.6	16.0	NNE	1.2	46.0	NE	0.5	115.0	ESE	0.3	119.0	ESE	1.6	53.0	NE	1.6	78.0	ENE
06:00 AM - 07:00 AM	1.6	243.0	WSW	1.8	130.0	SE	1.3	47.0	NE	0.3	9.0	N	0.3	9.0	N	0.6	175.0	S	0.3	129.0	SE
07:00 AM - 08:00 AM	0.3	164.0	SSE	0.4	30.0	NNE	1.4	18.0	NNE	0.3	195.0	SSW	0.7	128.0	SE	0.5	23.0	NNE	0.5	56.0	NE
08:00 AM - 09:00 AM	0.5	171.0	S	0.5	185.0	S	1.6	68.0	ENE	0.3	54.0	NE	1.3	106.0	ESE	0.3	33.0	NNE	0.5	187.0	S
09:00 AM - 10:00 AM	0.6	87.0	E	1.4	129.0	SE	2.8	10.0	N	0.5	8.0	N	1.6	52.0	NE	0.3	91.0	E	0.6	163.0	SSE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106856

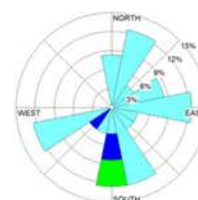
Date Received : Sep 26, 2023

Date Reported : Oct 03, 2023

Report Number : 2773590-1 C5

Page 2 of 2

Wind Rose



Date : Sep 14-15, 2023



Date : Sep 15-16, 2023



Date : Sep 16-17, 2023



Date : Sep 17-18, 2023



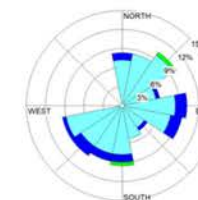
Date : Sep 18-19, 2023



Date : Sep 19-20, 2023



Date : Sep 20-21, 2023



Date : Sep 21-22, 2023

WS(m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	1.19
1.7-3.3	10.71
0.3-1.7	88.10
Calms	0.00

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106902

Date Received : Sep 26, 2023

Date Reported : Oct 03, 2023

Report Number : 2773641-1

Page 1 of 2

Sample Number : 23106902-1 to 7

Parameter : Wind Speed / Wind Direction

Location : สถานีอนามัยนาหวาด (GPS 47P 0735187, 1405873)

Sampling Date : Sep 14 - Sep 21, 2023

Sampling by : Sitpawit Suwannarat

Time	Sep 14 - Sep 15, 2023			Sep 15 - Sep 16, 2023			Sep 16 - Sep 17, 2023			Sep 17 - Sep 18, 2023			Sep 18 - Sep 19, 2023			Sep 19 - Sep 20, 2023			Sep 20 - Sep 21, 2023		
	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	0.5	278.0	W	0.3	311.0	NW	1.2	343.0	NNW	1.8	247.0	WSW	1.2	210.0	SSW	0.5	155.0	SSE	0.3	347.0	NNW
11:00 AM - 12:00 PM	1.0	0.0	N	1.7	279.0	W	2.3	274.0	W	2.9	252.0	WSW	1.4	284.0	WNW	0.3	141.0	SE	0.3	347.0	NNW
12:00 PM - 01:00 PM	1.5	357.0	N	3.0	304.0	NW	2.4	318.0	NW	1.5	303.0	WNW	0.3	359.0	N	0.3	178.0	S	0.3	359.0	N
01:00 PM - 02:00 PM	0.3	262.0	W	0.5	338.0	NNW	0.3	261.0	W	1.3	271.0	W	0.3	322.0	NW	1.3	170.0	S	0.4	359.0	N
02:00 PM - 03:00 PM	0.3	268.0	W	2.1	275.0	W	1.4	259.0	W	0.6	298.0	WNW	0.6	359.0	N	0.6	152.0	SSE	0.6	359.0	N
03:00 PM - 04:00 PM	1.2	316.0	NW	2.0	264.0	W	2.4	240.0	WSW	1.0	218.0	SW	0.5	73.0	ENE	0.3	152.0	SSE	0.3	359.0	N
04:00 PM - 05:00 PM	1.8	320.0	NW	0.3	306.0	NW	1.3	285.0	WNW	3.8	281.0	W	0.4	80.0	E	0.6	152.0	SSE	0.6	0.0	N
05:00 PM - 06:00 PM	1.5	283.0	WNW	1.2	263.0	W	2.3	305.0	NW	1.3	321.0	NW	0.6	27.0	NNE	0.3	123.0	ESE	0.3	116.0	ESE
06:00 PM - 07:00 PM	1.7	271.0	W	2.2	231.0	SW	0.9	303.0	WNW	3.9	233.0	SW	0.3	0.0	N	0.6	112.0	ESE	0.3	11.0	N
07:00 PM - 08:00 PM	3.1	263.0	W	2.0	252.0	WSW	1.3	148.0	SSE	3.5	242.0	WSW	0.3	346.0	NNW	0.3	106.0	ESE	0.3	104.0	ESE
08:00 PM - 09:00 PM	2.5	288.0	WNW	1.9	256.0	WSW	1.0	219.0	SW	1.4	291.0	WNW	1.5	268.0	W	0.9	172.0	S	0.3	299.0	WNW
09:00 PM - 10:00 PM	2.4	264.0	W	0.9	285.0	WNW	0.9	246.0	WSW	4.4	229.0	SW	2.5	214.0	SW	0.9	220.0	SW	0.9	3.0	N
10:00 PM - 11:00 PM	0.7	304.0	NW	2.2	275.0	W	1.8	218.0	SW	1.8	196.0	SSW	2.4	205.0	SSW	1.2	182.0	S	1.4	191.0	S
11:00 PM - 12:00 AM	4.0	219.0	SW	0.5	312.0	NW	2.7	263.0	W	1.9	237.0	WSW	3.3	225.0	SW	1.2	176.0	S	3.2	227.0	SW
12:00 AM - 01:00 AM	2.9	208.0	SSW	2.2	212.0	SSW	2.3	216.0	SW	1.5	255.0	WSW	1.7	194.0	SSW	0.5	190.0	S	0.9	266.0	W
01:00 AM - 02:00 AM	1.6	275.0	W	3.1	289.0	WNW	1.4	212.0	SSW	1.7	168.0	SSE	0.7	196.0	SSW	1.2	214.0	SW	0.7	116.0	ESE
02:00 AM - 03:00 AM	2.2	283.0	WNW	3.3	269.0	W	0.6	226.0	SW	0.7	184.0	S	0.5	175.0	S	1.1	203.0	SSW	0.6	354.0	N
03:00 AM - 04:00 AM	3.3	215.0	SW	4.8	243.0	WSW	0.6	189.0	S	1.0	238.0	WSW	1.4	230.0	SW	0.3	150.0	SSE	0.3	35.0	NE
04:00 AM - 05:00 AM	1.6	284.0	WNW	4.1	269.0	W	1.7	235.0	SW	0.2	-	-	1.2	265.0	W	0.3	184.0	S	0.3	5.0	N
05:00 AM - 06:00 AM	2.6	286.0	WNW	2.8	290.0	WNW	0.5	259.0	W	0.4	158.0	SSE	0.4	261.0	W	0.3	184.0	S	0.6	4.0	N
06:00 AM - 07:00 AM	2.1	359.0	N	0.5	267.0	W	5.1	267.0	W	0.5	165.0	SSE	1.0	163.0	SSE	0.5	344.0	NNW	0.8	4.0	N
07:00 AM - 08:00 AM	1.6	359.0	N	2.3	259.0	W	2.8	236.0	SW	0.1	-	-	0.6	169.0	S	0.5	344.0	NNW	1.5	3.0	N
08:00 AM - 09:00 AM	0.6	120.0	ESE	2.1	0.0	N	3.1	226.0	SW	0.9	232.0	SW	1.2	235.0	SW	0.6	344.0	NNW	1.0	359.0	N
09:00 AM - 10:00 AM	0.9	119.0	ESE	2.7	236.0	SW	2.9	254.0	WSW	0.6	264.0	W	0.3	141.0	SE	0.5	344.0	NNW	0.9	1.0	N

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrant
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106902

Date Received : Sep 26, 2023

Date Reported : Oct 03, 2023

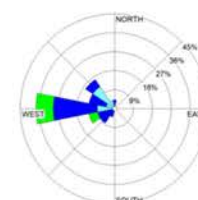
Report Number : 2773641-1

Page 2 of 2

Wind Rose



Date : Sep 14-15, 2023



Date : Sep 15-16, 2023



Date : Sep 16-17, 2023



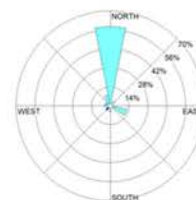
Date : Sep 17-18, 2023



Date : Sep 18-19, 2023



Date : Sep 19-20, 2023



Date : Sep 20-21, 2023



Date : Sep 14-21, 2023

WS(m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	6.55
1.7-3.3	25.60
0.3-1.7	66.67
Calms	1.19

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Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23106902

Date Received : Sep 26, 2023

Date Reported : Oct 03, 2023

Report Number : 2773641-1

Page 1 of 2

Sample Number : 23106902-8 to 14

Parameter : Wind Speed / Wind Direction

Location : ศูนย์วิจัยสิ่งแวดล้อม (GPS 47P 0731794, 1408788)

Sampling Date : Sep 14 - Sep 21, 2023

Sampling by : Sitpawit Suwannarat

Time	Sep 14 - Sep 15, 2023			Sep 15 - Sep 16, 2023			Sep 16 - Sep 17, 2023			Sep 17 - Sep 18, 2023			Sep 18 - Sep 19, 2023			Sep 19 - Sep 20, 2023			Sep 20 - Sep 21, 2023		
	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	0.3	328.0	NNW	0.9	3.0	N	0.5	238.0	WSW	0.6	231.0	SW	0.3	202.0	SSW	0.5	233.0	SW	0.6	326.0	NW
10:00 AM - 11:00 AM	0.3	41.0	NE	0.3	1.0	N	0.3	288.0	WNW	0.5	234.0	SW	0.3	220.0	SW	0.3	0.0	N	0.3	19.0	NNW
11:00 AM - 12:00 PM	0.3	41.0	NE	0.3	274.0	W	0.3	262.0	W	0.3	258.0	WSW	0.3	1.0	N	0.5	27.0	NNE	0.4	40.0	NE
12:00 PM - 01:00 PM	0.3	232.0	SW	0.3	243.0	WSW	0.5	252.0	WSW	0.3	236.0	SW	0.6	45.0	NE	2.1	27.0	NNE	0.8	346.0	NNW
01:00 PM - 02:00 PM	0.5	240.0	WSW	0.5	257.0	WSW	0.6	199.0	SSW	0.3	235.0	SW	0.4	45.0	NE	0.6	255.0	WSW	2.1	332.0	NNW
02:00 PM - 03:00 PM	0.6	226.0	SW	0.5	217.0	SW	0.3	259.0	W	0.6	230.0	SW	0.3	71.0	ENE	0.3	318.0	NW	0.3	42.0	NE
03:00 PM - 04:00 PM	0.3	309.0	NW	0.5	265.0	W	0.4	248.0	WSW	0.8	257.0	WSW	0.9	73.0	ENE	0.3	332.0	NNW	0.9	34.0	NE
04:00 PM - 05:00 PM	0.5	275.0	W	0.3	259.0	W	1.0	305.0	NW	0.5	157.0	SSE	0.3	42.0	NE	0.5	54.0	NE	0.6	52.0	NE
05:00 PM - 06:00 PM	0.7	292.0	WNW	0.6	251.0	WSW	0.8	249.0	WSW	0.6	247.0	WSW	0.3	299.0	WNW	0.3	30.0	NNE	0.5	47.0	NE
06:00 PM - 07:00 PM	0.4	257.0	WSW	0.6	246.0	WSW	0.3	277.0	W	3.2	224.0	SW	0.3	267.0	W	1.0	58.0	ENE	0.5	336.0	NNW
07:00 PM - 08:00 PM	1.1	249.0	WSW	0.3	265.0	W	0.3	235.0	SW	0.3	261.0	W	0.3	253.0	WSW	0.5	61.0	ENE	0.3	304.0	NW
08:00 PM - 09:00 PM	0.3	202.0	SSW	2.3	225.0	SW	0.4	139.0	SE	0.3	275.0	W	0.0	-	-	0.6	217.0	SW	3.6	67.0	ENE
09:00 PM - 10:00 PM	0.3	217.0	SW	0.8	218.0	SW	0.4	175.0	S	3.2	200.0	SSW	2.1	187.0	S	0.8	150.0	SSE	2.3	47.0	NE
10:00 PM - 11:00 PM	0.9	239.0	WSW	0.6	219.0	SW	0.6	188.0	S	1.7	240.0	WSW	1.7	260.0	W	1.8	205.0	SSW	2.1	245.0	WSW
11:00 PM - 12:00 AM	1.5	236.0	SW	1.0	228.0	SW	1.1	261.0	W	0.3	251.0	WSW	0.6	279.0	W	0.3	216.0	SW	1.2	261.0	W
12:00 AM - 01:00 AM	3.7	207.0	SSW	1.1	159.0	SSE	1.4	278.0	W	0.5	192.0	SSW	0.5	188.0	S	0.3	160.0	SSE	0.7	359.0	N
01:00 AM - 02:00 AM	1.2	221.0	SW	2.0	206.0	SSW	0.3	235.0	SW	0.6	245.0	WSW	0.3	252.0	WSW	0.6	144.0	SE	1.8	71.0	ENE
02:00 AM - 03:00 AM	0.7	245.0	WSW	0.4	227.0	SW	0.6	211.0	SSW	1.2	260.0	W	0.5	240.0	WSW	0.3	235.0	SW	0.9	34.0	NE
03:00 AM - 04:00 AM	1.8	275.0	W	0.1	-	-	1.4	213.0	SSW	0.3	279.0	W	1.3	202.0	SSW	0.5	250.0	WSW	1.5	51.0	NE
04:00 AM - 05:00 AM	0.3	229.0	SW	1.5	255.0	WSW	2.4	206.0	SSW	0.3	188.0	S	1.5	268.0	W	0.9	349.0	N	0.6	53.0	NE
05:00 AM - 06:00 AM	0.5	247.0	WSW	0.3	218.0	SW	2.0	226.0	SW	0.5	172.0	S	0.6	195.0	SSW	1.3	343.0	NNW	0.5	83.0	E
06:00 AM - 07:00 AM	0.6	19.0	NNE	1.0	240.0	WSW	1.0	215.0	SW	0.6	208.0	SSW	0.5	230.0	SW	0.3	17.0	NNE	0.3	75.0	ENE
07:00 AM - 08:00 AM	0.5	43.0	NE	0.3	268.0	W	0.9	203.0	SSW	1.0	222.0	SW	0.3	222.0	SW	0.5	16.0	NNE	0.5	48.0	NE
08:00 AM - 09:00 AM	1.0	3.0	N	0.6	274.0	W	0.9	222.0	SW	1.2	234.0	SW	0.3	214.0	SW	0.3	40.0	NE	0.3	332.0	NNW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jittrant
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

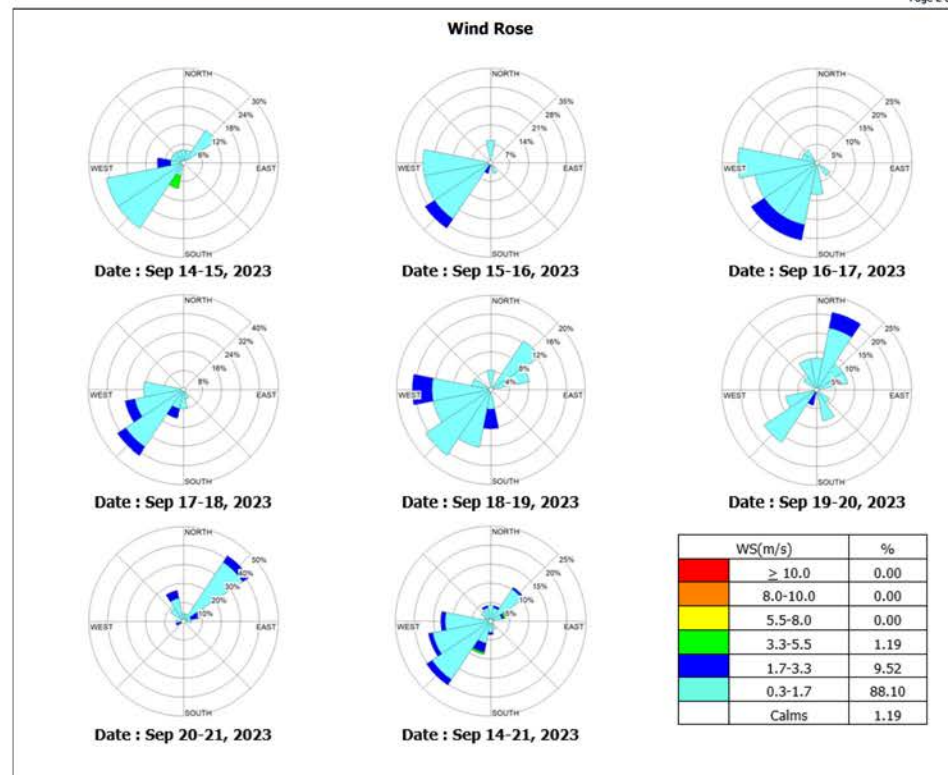
Lot ID: 23106902

Date Received : Sep 26, 2023

Date Reported : Oct 03, 2023

Report Number : 2773641-1

Page 2 of 2



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Sarayuth Jittrant
Assistant General Manager

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ภาคผนวก ค-3

ปริมาณสารอินทรีย์ระเหยในบรรยากาศ (VOCs)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2374984

Date Received : Jul 04, 2023

Date Reported : Jul 17, 2023

Report Number : 2699011-1C5

Page 1 of 3

Sample Number 2374984-1
Sampled Date Jul 03, 2023
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Jul 05, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	03/07/23 - 04/07/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/07/23 - 04/07/23	ug/m3	0.05	0.16	1.53	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/07/23 - 04/07/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	03/07/23 - 04/07/23	ug/m3	0.60	1.76	2.11	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/07/23 - 04/07/23	ug/m3	0.30	0.86	6.85	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/07/23 - 04/07/23	ug/m3	0.60	1.88	4.90	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : - Ban Map Ta Phut Community station has moderate traffic. Normal activity, Cloudy, Nearby School and Community

Sampled By : Nantawat Sarin

Remark :

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2374984

Date Received : Jul 04, 2023

Date Reported : Jul 17, 2023

Report Number : 2699011-1C5

Page 2 of 3

Sample Number 2374984-2
Sampled Date Jul 03, 2023
Sample Description Air Quality
Location โรงเชื่อมบ้านนาหวาด (GPS 47P 0723821, 1403299)
Date Analysis Commenced Jul 05, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	03/07/23 - 04/07/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/07/23 - 04/07/23	ug/m3	0.05	0.16	0.26	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/07/23 - 04/07/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	03/07/23 - 04/07/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/07/23 - 04/07/23	ug/m3	0.30	0.86	<0.86	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/07/23 - 04/07/23	ug/m3	0.60	1.88	<1.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : - Ban Nong Fab School station has moderate traffic. Normal activity, Cloudy, Nearby School, temple and Community

Sampled By : Nantawat Sarin

Remark :

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2374984

Date Received : Jul 04, 2023

Date Reported : Jul 17, 2023

Report Number : 2699011-1C5

Page 3 of 3

Sample Number 2374984-3
Sampled Date Jul 03, 2023
Sample Description Air Quality
Location สถานีอนามัยนาหวาด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Jul 05, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	03/07/23 - 04/07/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/07/23 - 04/07/23	ug/m3	0.05	0.16	1.34	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/07/23 - 04/07/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	03/07/23 - 04/07/23	ug/m3	0.60	1.76	3.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/07/23 - 04/07/23	ug/m3	0.30	0.86	8.05	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/07/23 - 04/07/23	ug/m3	0.60	1.88	4.82	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : - Map Ta Phut Public Health Center station has moderate traffic. Normal activity, Cloudy, Nearby Temple and Community

Sampled By : Nantawat Sarin

Remark :

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2388110

Date Received : Aug 04, 2023

Date Reported : Aug 18, 2023

Report Number : 2730343-1C5

Page 1 of 3

Sample Number 2388110-1
Sampled Date Aug 03, 2023
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Aug 07, 2023
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerate
Barometric Pressure 755 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	03/08/23 - 04/08/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/08/23 - 04/08/23	ug/m3	0.05	0.16	0.19	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/08/23 - 04/08/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	03/08/23 - 04/08/23	ug/m3	0.60	1.76	9.52	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/08/23 - 04/08/23	ug/m3	0.30	0.86	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/08/23 - 04/08/23	ug/m3	0.60	1.88	<1.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : - Ban Map Ta Phut Community station has moderate traffic. Normal activity, Cloudy, Nearby School and Community

Sampled By : Adisak Talesoon

Remark :

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2388110

Date Received : Aug 04, 2023

Date Reported : Aug 18, 2023

Report Number : 2730343-1C5

Page 2 of 3

Sample Number 2388110-2
Sampled Date Aug 03, 2023
Sample Description Air Quality
Location โรงเชื่อมพลาสติก (GPS 47P 0723821, 1403299)
Date Analysis Commenced Aug 07, 2023
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerate
Barometric Pressure 755 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	03/08/23 - 04/08/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/08/23 - 04/08/23	ug/m3	0.05	0.16	<0.16	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/08/23 - 04/08/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	03/08/23 - 04/08/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/08/23 - 04/08/23	ug/m3	0.30	0.86	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/08/23 - 04/08/23	ug/m3	0.60	1.88	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Ban Nong Fab School station has moderate traffic. Normal activity, Cloudy, Nearby School, temple and Community

Sampled By : Adisak Talesoon

Remark :

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2388110

Date Received : Aug 04, 2023

Date Reported : Aug 18, 2023

Report Number : 2730343-1C5

Page 3 of 3

Sample Number 2388110-3
Sampled Date Aug 03, 2023
Sample Description Air Quality
Location สถานีอนามัยบ้านศาลา (GPS 47P 0735207, 1405888)
Date Analysis Commenced Aug 07, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerate
Barometric Pressure 755 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	03/08/23 - 04/08/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/08/23 - 04/08/23	ug/m3	0.05	0.16	0.51	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/08/23 - 04/08/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	03/08/23 - 04/08/23	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/08/23 - 04/08/23	ug/m3	0.30	0.86	2.03	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/08/23 - 04/08/23	ug/m3	0.60	1.88	2.19	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Map Ta Phut Public Health Center station has moderate traffic. Normal activity, Cloudy, Nearby Temple, school and Community

Sampled By : Adisak Talesoon

Remark :

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23101331

Date Received : Sep 05, 2023

Date Reported : Sep 12, 2023

Report Number : 2759790-1C5

Page 1 of 3

Sample Number 23101331-1
Sampled Date Sep 04, 2023
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Sep 06, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 753 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	04/09/23 - 05/09/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/09/23 - 05/09/23	ug/m3	0.05	0.16	1.92	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/09/23 - 05/09/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/09/23 - 05/09/23	ug/m3	0.60	1.76	8.39	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/09/23 - 05/09/23	ug/m3	0.30	0.86	15.32	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/09/23 - 05/09/23	ug/m3	0.60	1.88	<1.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Ban Map Ta Put Community station has moderate traffic. Normal activity, Clear sky, Nearby School, and Community

Sampled By : Suphachai Wongsurichai

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23101331

Date Received : Sep 05, 2023

Date Reported : Sep 12, 2023

Report Number : 2759790-1C5

Page 2 of 3

Sample Number 23101331-2
Sampled Date Sep 04, 2023
Sample Description Air Quality
Location โรงสีบ้านนาหวาด (GPS 47P 0723821, 1403299)
Date Analysis Commenced Sep 06, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 753 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	04/09/23 - 05/09/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/09/23 - 05/09/23	ug/m3	0.05	0.16	<0.16	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/09/23 - 05/09/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/09/23 - 05/09/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/09/23 - 05/09/23	ug/m3	0.30	0.86	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/09/23 - 05/09/23	ug/m3	0.60	1.88	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Ban Nong Fab School station has moderate traffic. Normal activity, Clear sky, Nearby School, temple and Community

Sampled By : Suphachai Wongsurichai

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23101331

Date Received : Sep 05, 2023

Date Reported : Sep 12, 2023

Report Number : 2759790-1C5

Page 3 of 3

Sample Number 23101331-3
Sampled Date Sep 04, 2023
Sample Description Air Quality
Location สถานีอนามัยเทศบาล (GPS 47P 0735207, 1405888)
Date Analysis Commenced Sep 06, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 753 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	04/09/23 - 05/09/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/09/23 - 05/09/23	ug/m3	0.05	0.16	1.15	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/09/23 - 05/09/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/09/23 - 05/09/23	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/09/23 - 05/09/23	ug/m3	0.30	0.86	10.43	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/09/23 - 05/09/23	ug/m3	0.60	1.88	<1.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Map Ta Phut Public Health Center station has moderate traffic. Normal activity, Clear sky, Nearby Temple, school and Community

Sampled By : Suphachai Wongsurichai

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23111867

Date Received : Oct 03, 2023

Date Reported : Oct 12, 2023

Report Number : 2787460-1C5

Page 1 of 3

Sample Number 23111867-1
Sampled Date Oct 02, 2023
Sample Description Air Quality
Location บ้านนาบาคะ (GPS 47P 0735350, 1406704)
Date Analysis Commenced Oct 04, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	02/10/23 - 03/10/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/10/23 - 03/10/23	ug/m3	0.05	0.16	0.89	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/10/23 - 03/10/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/10/23 - 03/10/23	ug/m3	0.60	1.76	4.79	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/10/23 - 03/10/23	ug/m3	0.30	0.86	3.41	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/10/23 - 03/10/23	ug/m3	0.60	1.88	5.13	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Ban Map Ta Phut Community station has moderate traffic. Normal activity, light to moderate rain, Nearby School, and Community

Sampled By : Sawai Tonpho

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23111867

Date Received : Oct 03, 2023

Date Reported : Oct 12, 2023

Report Number : 2787460-1CS

Page 2 of 3

Sample Number 23111867-2
Sampled Date Oct 02, 2023
Sample Description Air Quality
Location โรงเรือนฆ่าเชื้อ (GPS 47P 0723821, 1403299)
Date Analysis Commenced Oct 04, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	02/10/23 - 03/10/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/10/23 - 03/10/23	ug/m3	0.05	0.16	0.26	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/10/23 - 03/10/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/10/23 - 03/10/23	ug/m3	0.60	1.76	4.65	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/10/23 - 03/10/23	ug/m3	0.30	0.86	1.31	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/10/23 - 03/10/23	ug/m3	0.60	1.88	<1.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Ban Nong Fab School station has moderate traffic. Normal activity, light to moderate rain, Nearby School, temple and Community

Sampled By : Sawai Tonpho

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23111867

Date Received : Oct 03, 2023

Date Reported : Oct 12, 2023

Report Number : 2787460-1CS

Page 3 of 3

Sample Number 23111867-3
Sampled Date Oct 02, 2023
Sample Description Air Quality
Location สถานีอนามัยเทศบาล (GPS 47P 0735207, 1405888)
Date Analysis Commenced Oct 04, 2023
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	02/10/23 - 03/10/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/10/23 - 03/10/23	ug/m3	0.05	0.16	1.60	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/10/23 - 03/10/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/10/23 - 03/10/23	ug/m3	0.60	1.76	1.90	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/10/23 - 03/10/23	ug/m3	0.30	0.86	6.54	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/10/23 - 03/10/23	ug/m3	0.60	1.88	5.65	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Map Ta Phut Public Health Center station has moderate traffic. Normal activity, light to moderate rain, Nearby Community

Sampled By : Sawai Tonpho

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23125304

Date Received : Nov 02, 2023

Date Reported : Nov 10, 2023

Report Number : 2818065-1C5

Page 1 of 3

Sample Number 23125304-1
Sampled Date Nov 01, 2023
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Nov 03, 2023
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/11/23 - 02/11/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/11/23 - 02/11/23	ug/m3	0.05	0.16	0.96	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/11/23 - 02/11/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/11/23 - 02/11/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/11/23 - 02/11/23	ug/m3	0.30	0.86	2.44	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/11/23 - 02/11/23	ug/m3	0.60	1.88	8.52	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Ban Map Ta Phut Community station has moderate traffic. Normal activity, Clear sky, Nearby School, and Community

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23125304

Date Received : Nov 02, 2023

Date Reported : Nov 10, 2023

Report Number : 2818065-1C5

Page 2 of 3

Sample Number 23125304-2
Sampled Date Nov 01, 2023
Sample Description Air Quality
Location โรงสีบ้านนาหวาด (GPS 47P 0723821, 1403299)
Date Analysis Commenced Nov 03, 2023
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/11/23 - 02/11/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/11/23 - 02/11/23	ug/m3	0.05	0.16	1.53	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/11/23 - 02/11/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/11/23 - 02/11/23	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/11/23 - 02/11/23	ug/m3	0.30	0.86	5.20	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/11/23 - 02/11/23	ug/m3	0.60	1.88	5.28	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Ban Nong Fab School station has moderate traffic. Normal activity, Clear sky, Nearby School, temple and Community

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23125304

Date Received : Nov 02, 2023

Date Reported : Nov 10, 2023

Report Number : 2818065-1C5

Page 3 of 3

Sample Number 23125304-3
Sampled Date Nov 01, 2023
Sample Description Air Quality
Location สถานีอนามัยเทศบาล (GPS 47P 0735207, 1405888)
Date Analysis Commenced Nov 03, 2023
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/11/23 - 02/11/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/11/23 - 02/11/23	ug/m3	0.05	0.16	0.89	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/11/23 - 02/11/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/11/23 - 02/11/23	ug/m3	0.60	1.76	21.22	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/11/23 - 02/11/23	ug/m3	0.30	0.86	3.72	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/11/23 - 02/11/23	ug/m3	0.60	1.88	6.56	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Map Ta Phut Public Health Center station has moderate traffic. Normal activity, Clear sky, Nearby Temple, school and Community

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

Tanyatom Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23136609

Date Received : Dec 07, 2023

Date Reported : Dec 19, 2023

Report Number : 2843511-1C5

Page 1 of 3

Sample Number 23136609-1
Sampled Date Dec 06, 2023
Sample Description Air Quality
Location บ้านนาบาคะ (GPS 47P 0735350, 1406704)
Date Analysis Commenced Dec 08, 2023
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	06/12/23 - 07/12/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	06/12/23 - 07/12/23	ug/m3	0.05	0.16	1.66	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	06/12/23 - 07/12/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	06/12/23 - 07/12/23	ug/m3	0.60	1.76	4.02	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	06/12/23 - 07/12/23	ug/m3	0.30	0.86	6.75	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	06/12/23 - 07/12/23	ug/m3	0.60	1.88	9.27	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Ban Map Ta Phut Community station has moderate traffic. Normal activity, Clear sky, Nearby School, and Community

Sampled By : Adisak Talesoon

Remark :

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

Approved by

Orawan Rakkyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23136609

Date Received : Dec 07, 2023

Date Reported : Dec 19, 2023

Report Number : 2843511-1CS

Page 2 of 3

Sample Number 23136609-2
 Sampled Date Dec 06, 2023
 Sample Description Air Quality
 Location โรงเรือนฆ่าหนูลงพื้น (GPS 47P 0723821, 1403299)
 Date Analysis Commenced Dec 08, 2023
 Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
 Barometric Pressure 758 mmHg
 Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	06/12/23 - 07/12/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	06/12/23 - 07/12/23	ug/m3	0.05	0.16	2.11	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	06/12/23 - 07/12/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	06/12/23 - 07/12/23	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	06/12/23 - 07/12/23	ug/m3	0.30	0.86	3.72	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	06/12/23 - 07/12/23	ug/m3	0.60	1.88	5.31	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Ban Nong Fab School station has moderate traffic. Normal activity, Clear sky, Nearby School, temple and Community

Sampled By : Adisak Talesoon

Remark :

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

Approved by

Orawan R.

Orawan Rak Yong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23136609

Date Received : Dec 07, 2023

Date Reported : Dec 19, 2023

Report Number : 2843511-1CS

Page 3 of 3

Sample Number 23136609-3
 Sampled Date Dec 06, 2023
 Sample Description Air Quality
 Location สถานีอนามัยบ้านตาพุด (GPS 47P 0735207, 1405888)
 Date Analysis Commenced Dec 08, 2023
 Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
 Barometric Pressure 758 mmHg
 Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	06/12/23 - 07/12/23	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	06/12/23 - 07/12/23	ug/m3	0.05	0.16	1.53	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	06/12/23 - 07/12/23	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	06/12/23 - 07/12/23	ug/m3	0.60	1.76	2.61	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	06/12/23 - 07/12/23	ug/m3	0.30	0.86	3.89	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	06/12/23 - 07/12/23	ug/m3	0.60	1.88	3.84	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : Map Ta Phut Public Health Center station has moderate traffic. Normal activity, Clear sky, Nearby Temple, school and Community

Sampled By : Adisak Talesoon

Remark :

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

Approved by

Orawan R.

Orawan Rak Yong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID : 2374986

Date Received : Jul 04, 2023

Date Reported : Jul 12, 2023

Report Number : 2699016-1

Page 1 of 2

Sample Number 2374986-1

Parameter Wind Speed / Wind Direction

Location สถานีอนามัยตาพุด (GPS 47P 0735207, 1405888)

Sampling Date Jul 03 - Jul 04, 2023

Sampling by Nantawat Sarin

Time	Jul 03 - Jul 04, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	3.8	67.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.2	90.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	3.3	52.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.9	56.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.2	145.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.4	73.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.9	23.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.5	29.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.6	344.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.2	131.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.3	145.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.8	92.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.4	24.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.1	31.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.2	9.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.8	53.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	3.0	16.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	2.3	52.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.0	20.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.3	9.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.1	30.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.4	31.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.3	34.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.2	40.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID : 2374986

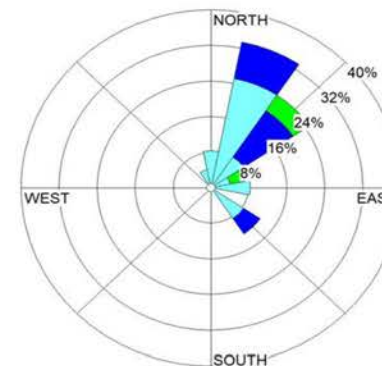
Date Received : Jul 04, 2023

Date Reported : Jul 12, 2023

Report Number : 2699016-1

Page 2 of 2

Wind Rose



Date : Jul 03-04, 2023

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	8.33
1.7-3.3	25.00
0.3-1.7	66.67
Calms	0.00

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID : 2388111

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2730349-1

Page 1 of 2

Sample Number 2388111-1

Parameter Wind Speed / Wind Direction

Location สถานีอนามัยตาพุด (GPS 47P 0735207, 1405888)

Sampling Date Aug 03 - Aug 04, 2023

Sampling by Adisak Talesoon

Time	Aug 03 - Aug 04, 2023									
	WS (m/s)	WD (deg)								
01:00 PM - 02:00 PM	1.3	240.0	WSW	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.0	223.0	SW	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	3.5	234.0	SW	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.0	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.4	315.0	NW	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.0	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.6	224.0	SW	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.6	268.0	W	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.9	276.0	W	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.8	219.0	SW	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.1	247.0	WSW	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.7	259.0	W	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.2	254.0	WSW	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.4	283.0	WNW	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.9	261.0	W	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.3	227.0	SW	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	4.1	266.0	W	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.9	278.0	W	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.5	213.0	SSW	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.0	220.0	SW	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.2	231.0	SW	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID : 2388111

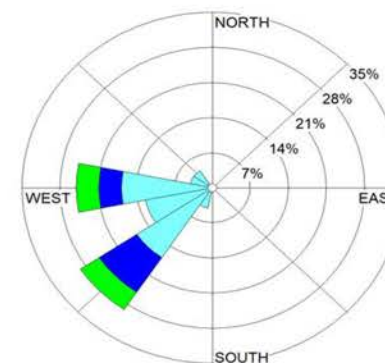
Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2730349-1

Page 2 of 2

Wind Rose



Date : Aug 03-04, 2023

WS(m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	8.34
1.7-3.3	12.50
0.3-1.7	58.33
Calms	20.83

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23101333

Date Received : Sep 05, 2023

Date Reported : Sep 11, 2023

Report Number : 2759817-1

Page 1 of 2

Sample Number 23101333-1

Parameter Wind Speed / Wind Direction

Location สถานีอนามัยตาพุด (GPS 47P 0735207, 1405888)

Sampling Date Sep 04 - Sep 05, 2023

Sampling by Suphachai Wongsurichai

Time	Sep 04 - Sep 05, 2023		-		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	2.3	227.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.8	229.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	3.2	207.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.2	208.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.8	205.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.5	210.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.9	233.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.2	216.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.4	230.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.5	221.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.8	225.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.3	241.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.1	251.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.4	249.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.9	255.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	2.4	261.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	2.8	259.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	3.2	244.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	3.5	226.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.1	235.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	4.0	212.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.5	238.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	2.1	247.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.6	238.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

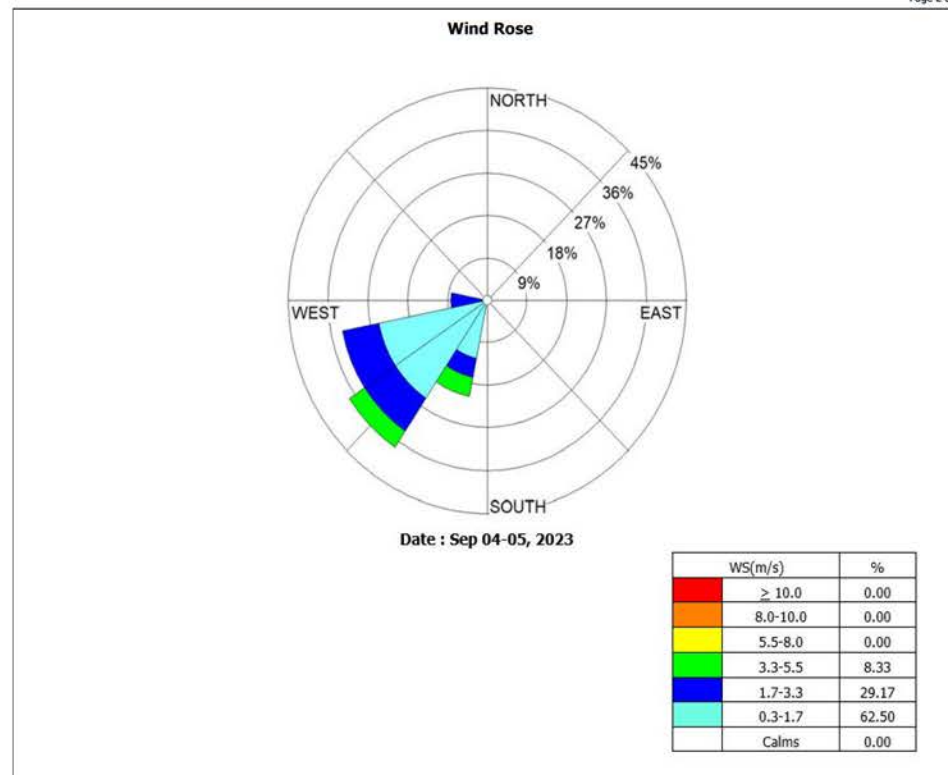
Lot ID: 23101333

Date Received : Sep 05, 2023

Date Reported : Sep 11, 2023

Report Number : 2759817-1

Page 2 of 2



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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23111870

Date Received : Oct 03, 2023

Date Reported : Oct 09, 2023

Report Number : 2787463-1

Page 1 of 2

Sample Number 23111870-1

Parameter Wind Speed / Wind Direction

Location สถานีอนามัยตาพุด (GPS 47P 0735207, 1405888)

Sampling Date Oct 02 - Oct 03, 2022

Sampling by Sawai Tonpho

Time	Oct 02 - Oct 03, 2022											
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.5	286.0	WNW	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.4	222.0	SW	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.5	225.0	SW	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.5	215.0	SW	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.6	348.0	NNW	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.3	210.0	SSW	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.8	216.0	SW	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.2	198.0	SSW	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.5	153.0	SSE	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.5	39.0	NE	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.4	359.0	N	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.5	18.0	NNE	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.6	9.0	N	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.7	62.0	ENE	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.4	20.0	NNE	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.4	21.0	NNE	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.6	81.0	E	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.1	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.5	249.0	WSW	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.7	183.0	S	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

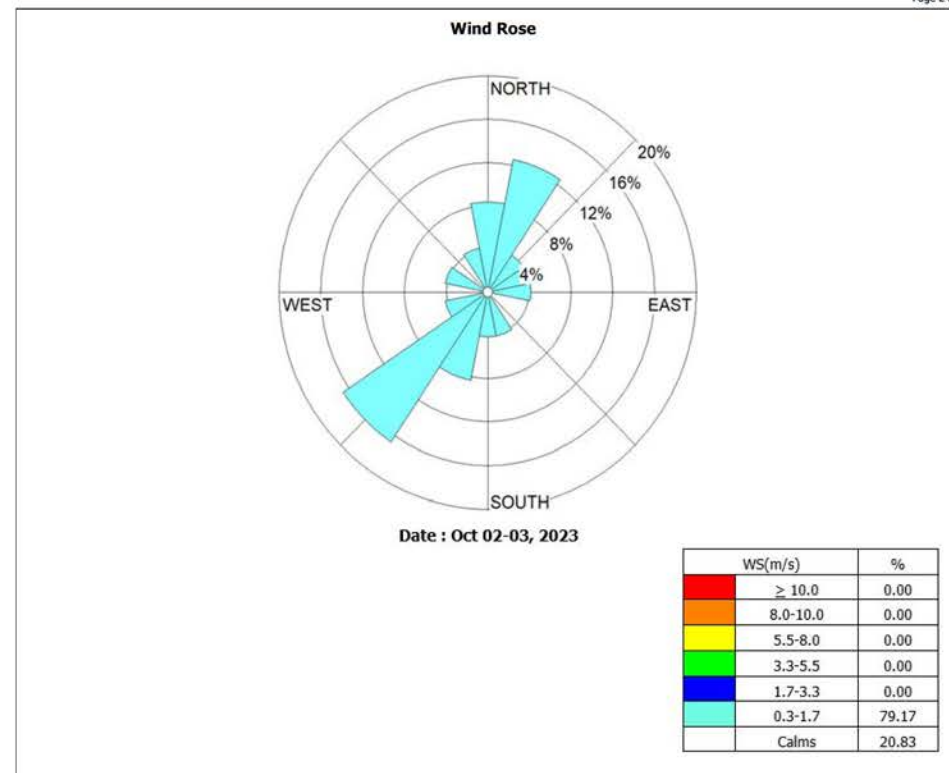
Lot ID: 23111870

Date Received : Oct 03, 2023

Date Reported : Oct 09, 2023

Report Number : 2787463-1

Page 2 of 2



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Project Location : Map Ta Phut PE (SPE)

Report Number :2818075-1

Page 1 of 2

Sampling by Chatchai Sukpia

[illegible]

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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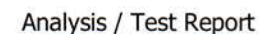
Sarayuth Jittranont
Assistant General Manager

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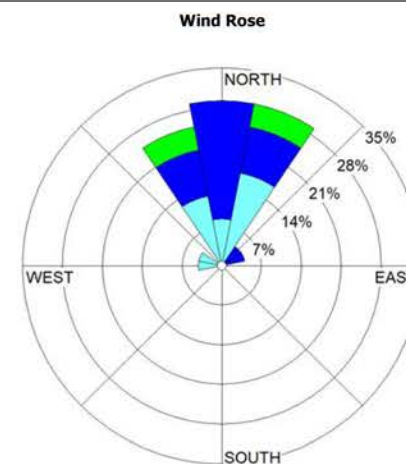
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Project Location : Map Ta Phut PE (SPE)

Report Number :2818075-1

Page 2 of 2



Date : Nov 01-02, 2023

	WS(m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	8.33
	1.7-3.3	45.83
	0.3-1.7	45.83
	Calms	0.00

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23136612

Date Received :Dec 07, 2023

Date Reported :Dec 14, 2023

Report Number :2843515-1

Page 1 of 2

Sample Number 23136612-1

Parameter Wind Speed / Wind Direction

Location สถานีอนามัยนาตาพุด (GPS 47P 0735207, 1405888)

Sampling Date Dec 06 - Dec 07, 2023

Sampling by Adisak Talesoon

Time	Dec 06 - Dec 07, 2023															
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	2.4	194.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	3.7	206.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.3	185.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.6	241.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	2.6	12.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.8	0.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	2.4	359.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	2.7	0.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.9	53.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.4	12.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.6	126.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-

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 : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

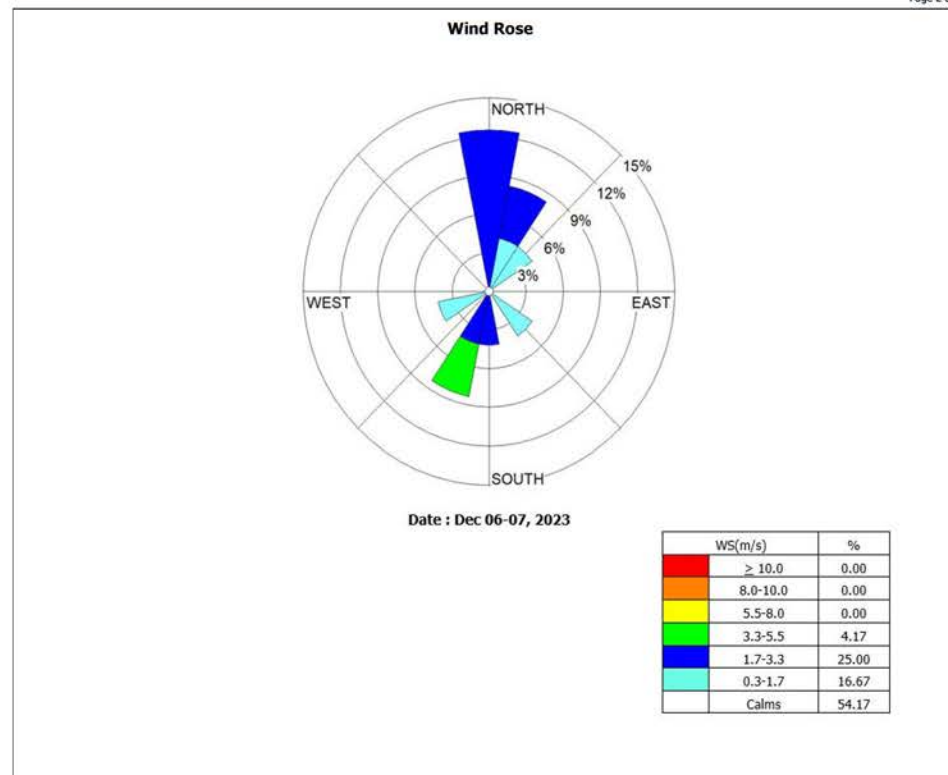
Lot ID: 23136612

Date Received :Dec 07, 2023

Date Reported :Dec 14, 2023

Report Number :2843515-1

Page 2 of 2



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ภาคผนวก ค-4

คุณภาพอากาศในสถานประกอบการ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388444

Date Received : Aug 22, 2023

Date Reported : Sep 01, 2023

Report Number : 2730960-1

Page 1 of 6

Sample Number 2388444-1
Sampled Date Aug 21, 2023
Sample Description Air Quality
Location Spin Dryer 1
Date Analysis Commenced Aug 23, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	500	NIOSH (1994), 1500	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Ronnachai Moungma

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388444

Date Received : Aug 22, 2023

Date Reported : Sep 01, 2023

Report Number : 2730960-1

Page 2 of 6

Sample Number 2388444-2
Sampled Date Aug 21, 2023
Sample Description Air Quality
Location Pelletizer 1
Date Analysis Commenced Aug 23, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	500	NIOSH (1994), 1500	MOL	Bangkok

Guideline :

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Sampled By : Ronnachai Moungma

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Analysis / Test Report

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P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388444

Date Received : Aug 22, 2023

Date Reported : Sep 01, 2023

Report Number : 2730960-1

Page 3 of 6

Sample Number 2388444-3
Sampled Date Aug 21, 2023
Sample Description Air Quality
Location Hold Up Hopper 1
Date Analysis Commenced Aug 23, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	500	NIOSH (1994), 1500	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Ronnachai Moungma

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Analysis / Test Report

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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388444

Date Received : Aug 22, 2023

Date Reported : Sep 01, 2023

Report Number : 2730960-1

Page 4 of 6

Sample Number 2388444-4
Sampled Date Aug 21, 2023
Sample Description Air Quality
Location Spin Dryer 2
Date Analysis Commenced Aug 23, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	500	NIOSH (1994), 1500	MOL	Bangkok

Guideline :

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P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388444

Date Received : Aug 22, 2023

Date Reported : Sep 01, 2023

Report Number : 2730960-1

Page 5 of 6

Sample Number 2388444-5
Sampled Date Aug 21, 2023
Sample Description Air Quality
Location Pelletizer 2
Date Analysis Commenced Aug 23, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	500	NIOSH (1994), 1500	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Ronnachai Moungma

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P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388444

Date Received : Aug 22, 2023

Date Reported : Sep 01, 2023

Report Number : 2730960-1

Page 6 of 6

Sample Number 2388444-6
Sampled Date Aug 21, 2023
Sample Description Air Quality
Location Hold Up Hopper 2
Date Analysis Commenced Aug 23, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:00 AM - 11:00 AM	ppm	-	0.10	<0.10	500	NIOSH (1994), 1500	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113308

Date Received : Nov 16, 2023

Date Reported : Nov 28, 2023

Report Number : 2789817-1

Page 1 of 6

Sample Number 23113308-1
Sampled Date Nov 15, 2023
Sample Description Air Quality
Location Spin Dryer 1
Date Analysis Commenced Nov 17, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 761 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Natthapon Jiengwareewong

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Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113308

Date Received : Nov 16, 2023

Date Reported : Nov 28, 2023

Report Number : 2789817-1

Page 2 of 6

Sample Number 23113308-2
Sampled Date Nov 15, 2023
Sample Description Air Quality
Location Pelletizer 1
Date Analysis Commenced Nov 17, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 761 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

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P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113308

Date Received : Nov 16, 2023

Date Reported : Nov 28, 2023

Report Number : 2789817-1

Page 3 of 6

Sample Number 23113308-3
Sampled Date Nov 15, 2023
Sample Description Air Quality
Location Hold Up Hopper 1
Date Analysis Commenced Nov 17, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 761 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113308

Date Received : Nov 16, 2023

Date Reported : Nov 28, 2023

Report Number : 2789817-1

Page 4 of 6

Sample Number 23113308-4
Sampled Date Nov 15, 2023
Sample Description Air Quality
Location Spin Dryer 2
Date Analysis Commenced Nov 17, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 761 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

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P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113308

Date Received : Nov 16, 2023

Date Reported : Nov 28, 2023

Report Number : 2789817-1

Page 5 of 6

Sample Number 23113308-5
Sampled Date Nov 15, 2023
Sample Description Air Quality
Location Pelletizer 2
Date Analysis Commenced Nov 17, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 761 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Natthapon Jiengwareewong

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113308

Date Received : Nov 16, 2023

Date Reported : Nov 28, 2023

Report Number : 2789817-1

Page 6 of 6

Sample Number 23113308-6
Sampled Date Nov 15, 2023
Sample Description Air Quality
Location Hold Up Hopper 2
Date Analysis Commenced Nov 17, 2023
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 761 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

Sampled By : Natthapon Jiengwareewong

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ภาคผนวก ค-5

ระดับเสียงโดยทั่วไป และระดับเสียงพื้นฐาน



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2759991-1

Page 1 of 1

Sample Number 2388450-1
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 16 - Aug 17, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	66.2	88.6	65.1
11:00 AM - 12:00 PM	66.8	84.6	65.3
12:00 PM - 01:00 PM	68.8	73.4	67.1
01:00 PM - 02:00 PM	67.8	75.9	66.3
02:00 PM - 03:00 PM	67.5	73.7	66.3
03:00 PM - 04:00 PM	65.5	76.5	64.8
04:00 PM - 05:00 PM	67.7	75.4	66.2
05:00 PM - 06:00 PM	67.3	72.4	66.2
06:00 PM - 07:00 PM	64.5	66.6	64.2
07:00 PM - 08:00 PM	64.9	71.4	64.3
08:00 PM - 09:00 PM	67.5	72.9	65.7
09:00 PM - 10:00 PM	64.6	69.9	64.1
10:00 PM - 11:00 PM	65.3	73.5	64.7
11:00 PM - 12:00 AM	65.6	72.6	65.0
12:00 AM - 01:00 AM	68.7	74.3	66.9
01:00 AM - 02:00 AM	67.6	72.5	66.3
02:00 AM - 03:00 AM	67.6	72.0	66.4
03:00 AM - 04:00 AM	67.8	73.5	66.2
04:00 AM - 05:00 AM	66.2	72.6	65.3
05:00 AM - 06:00 AM	65.8	68.7	65.1
06:00 AM - 07:00 AM	65.6	67.9	65.0
07:00 AM - 08:00 AM	64.8	69.8	64.5
08:00 AM - 09:00 AM	64.8	68.9	64.5
09:00 AM - 10:00 AM	66.6	75.0	65.4

Leq Average 24 hrs. (dB(A)) 66.7

Lmax (dB(A)) 88.6

L90 (dB(A)) 65.3

Ldn (dB(A)) 73.2

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2759992-1

Page 1 of 1

Sample Number 2388450-2
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 17 - Aug 18, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	68.3	79.2	67.0
11:00 AM - 12:00 PM	66.5	71.9	65.9
12:00 PM - 01:00 PM	66.1	68.8	65.5
01:00 PM - 02:00 PM	66.0	76.4	65.3
02:00 PM - 03:00 PM	65.8	81.2	65.1
03:00 PM - 04:00 PM	67.1	75.0	65.9
04:00 PM - 05:00 PM	67.7	73.0	66.4
05:00 PM - 06:00 PM	65.9	74.8	65.3
06:00 PM - 07:00 PM	65.0	72.6	64.6
07:00 PM - 08:00 PM	64.4	66.3	64.1
08:00 PM - 09:00 PM	64.6	68.1	64.2
09:00 PM - 10:00 PM	66.6	71.7	65.4
10:00 PM - 11:00 PM	66.5	73.9	65.3
11:00 PM - 12:00 AM	68.3	71.9	67.0
12:00 AM - 01:00 AM	66.7	71.4	65.7
01:00 AM - 02:00 AM	65.8	69.4	65.1
02:00 AM - 03:00 AM	67.5	72.8	66.0
03:00 AM - 04:00 AM	65.5	73.2	64.8
04:00 AM - 05:00 AM	65.2	69.8	64.6
05:00 AM - 06:00 AM	65.6	67.7	65.1
06:00 AM - 07:00 AM	66.3	73.1	65.3
07:00 AM - 08:00 AM	66.0	80.4	65.1
08:00 AM - 09:00 AM	65.1	70.6	64.5
09:00 AM - 10:00 AM	64.5	69.9	64.2

Leq Average 24 hrs. (dB(A)) 66.3

Lmax (dB(A)) 81.2

L90 (dB(A)) 65.3

Ldn (dB(A)) 72.8

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:18AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2759993-1

Page 1 of 1

Sample Number 2388450-3
Parameter Noise (Leq 24 hrs.)
Location บริเวณเริ่มวัดด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 18 - Aug 19, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.5	71.9	64.7
11:00 AM - 12:00 PM	66.4	71.9	65.5
12:00 PM - 01:00 PM	65.4	69.4	64.8
01:00 PM - 02:00 PM	65.3	74.2	64.6
02:00 PM - 03:00 PM	67.2	74.8	65.6
03:00 PM - 04:00 PM	65.1	77.4	64.3
04:00 PM - 05:00 PM	65.3	79.2	64.4
05:00 PM - 06:00 PM	65.6	88.1	64.7
06:00 PM - 07:00 PM	64.9	77.2	64.2
07:00 PM - 08:00 PM	65.2	79.7	64.2
08:00 PM - 09:00 PM	65.6	79.0	64.8
09:00 PM - 10:00 PM	65.7	85.6	64.8
10:00 PM - 11:00 PM	65.8	78.8	64.8
11:00 PM - 12:00 AM	68.2	80.0	66.4
12:00 AM - 01:00 AM	67.3	78.8	65.8
01:00 AM - 02:00 AM	67.3	74.4	65.8
02:00 AM - 03:00 AM	65.5	79.2	64.7
03:00 AM - 04:00 AM	66.5	78.5	65.0
04:00 AM - 05:00 AM	65.6	74.1	64.7
05:00 AM - 06:00 AM	65.3	76.1	64.4
06:00 AM - 07:00 AM	67.4	83.1	65.7
07:00 AM - 08:00 AM	64.4	76.3	63.9
08:00 AM - 09:00 AM	64.2	72.0	63.8
09:00 AM - 10:00 AM	64.1	75.3	63.7

Leq Average 24 hrs. (dB(A))

65.9

Lmax (dB(A))

88.1

L90 (dB(A))

64.7

Ldn (dB(A))

72.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:18AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2759994-1

Page 1 of 1

Sample Number 2388450-4
Parameter Noise (Leq 24 hrs.)
Location บริเวณเริ่มวัดด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 19 - Aug 20, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	64.1	85.5	63.6
11:00 AM - 12:00 PM	64.6	77.5	64.1
12:00 PM - 01:00 PM	65.4	72.1	64.3
01:00 PM - 02:00 PM	65.3	88.9	64.3
02:00 PM - 03:00 PM	65.2	73.5	64.3
03:00 PM - 04:00 PM	65.3	82.4	64.2
04:00 PM - 05:00 PM	65.3	83.7	64.2
05:00 PM - 06:00 PM	65.4	83.5	64.5
06:00 PM - 07:00 PM	65.7	87.6	64.7
07:00 PM - 08:00 PM	65.5	81.7	64.6
08:00 PM - 09:00 PM	64.7	81.9	64.3
09:00 PM - 10:00 PM	64.7	77.1	63.9
10:00 PM - 11:00 PM	64.6	80.5	63.8
11:00 PM - 12:00 AM	65.6	69.3	64.7
12:00 AM - 01:00 AM	65.8	74.5	64.9
01:00 AM - 02:00 AM	65.6	70.3	64.8
02:00 AM - 03:00 AM	64.5	70.1	64.0
03:00 AM - 04:00 AM	64.2	73.0	63.8
04:00 AM - 05:00 AM	64.8	69.9	64.1
05:00 AM - 06:00 AM	65.5	68.9	64.6
06:00 AM - 07:00 AM	65.5	80.2	64.7
07:00 AM - 08:00 AM	65.3	70.2	64.5
08:00 AM - 09:00 AM	67.2	75.9	65.4
09:00 AM - 10:00 AM	67.1	74.5	65.6

Leq Average 24 hrs. (dB(A))

65.4

Lmax (dB(A))

88.9

L90 (dB(A))

64.3

Ldn (dB(A))

71.6

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2759995-1

Page 1 of 1

Sample Number 2388450-5
Parameter Noise (Leq 24 hrs.)
Location บริเวณบริเวณด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 20 - Aug 21, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	64.9	71.7	64.3
11:00 AM - 12:00 PM	64.1	74.9	63.6
12:00 PM - 01:00 PM	64.8	81.5	63.9
01:00 PM - 02:00 PM	65.5	80.9	64.5
02:00 PM - 03:00 PM	65.7	82.1	64.8
03:00 PM - 04:00 PM	67.4	77.1	65.6
04:00 PM - 05:00 PM	67.4	75.4	65.7
05:00 PM - 06:00 PM	68.1	75.5	66.3
06:00 PM - 07:00 PM	65.5	77.7	64.6
07:00 PM - 08:00 PM	65.5	70.1	64.7
08:00 PM - 09:00 PM	66.1	80.0	64.9
09:00 PM - 10:00 PM	67.1	87.7	65.5
10:00 PM - 11:00 PM	68.1	75.5	66.3
11:00 PM - 12:00 AM	67.0	79.3	65.2
12:00 AM - 01:00 AM	66.3	74.7	65.3
01:00 AM - 02:00 AM	66.0	77.0	64.8
02:00 AM - 03:00 AM	65.0	70.2	64.5
03:00 AM - 04:00 AM	67.8	75.8	65.9
04:00 AM - 05:00 AM	66.9	74.1	65.7
05:00 AM - 06:00 AM	66.0	76.6	65.1
06:00 AM - 07:00 AM	68.3	74.7	66.4
07:00 AM - 08:00 AM	67.2	79.3	66.4
08:00 AM - 09:00 AM	67.1	77.4	66.4
09:00 AM - 10:00 AM	66.6	72.1	66.1

Leq Average 24 hrs. (dB(A))

66.6

Lmax (dB(A))

87.7

L90 (dB(A))

65.2

Ldn (dB(A))

73.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:18AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2759996-1

Page 1 of 1

Sample Number 2388450-6
Parameter Noise (Leq 24 hrs.)
Location บริเวณบริเวณด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 21 - Aug 22, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	66.7	71.2	66.1
11:00 AM - 12:00 PM	67.5	78.0	66.5
12:00 PM - 01:00 PM	65.4	85.2	64.5
01:00 PM - 02:00 PM	67.1	76.7	65.5
02:00 PM - 03:00 PM	67.5	76.1	65.7
03:00 PM - 04:00 PM	67.1	74.1	65.6
04:00 PM - 05:00 PM	65.5	77.3	64.6
05:00 PM - 06:00 PM	65.5	84.0	64.6
06:00 PM - 07:00 PM	65.3	73.7	64.5
07:00 PM - 08:00 PM	65.5	75.1	64.6
08:00 PM - 09:00 PM	65.9	82.9	65.1
09:00 PM - 10:00 PM	64.8	75.9	64.3
10:00 PM - 11:00 PM	65.0	74.1	64.3
11:00 PM - 12:00 AM	64.7	69.7	64.3
12:00 AM - 01:00 AM	65.4	72.0	64.7
01:00 AM - 02:00 AM	66.1	73.4	65.1
02:00 AM - 03:00 AM	66.4	77.5	65.5
03:00 AM - 04:00 AM	66.0	73.0	65.1
04:00 AM - 05:00 AM	65.8	81.2	64.9
05:00 AM - 06:00 AM	65.6	69.0	64.6
06:00 AM - 07:00 AM	65.5	69.0	64.6
07:00 AM - 08:00 AM	65.4	75.7	64.5
08:00 AM - 09:00 AM	65.4	73.4	64.4
09:00 AM - 10:00 AM	65.3	77.1	64.3

Leq Average 24 hrs. (dB(A))

65.9

Lmax (dB(A))

85.2

L90 (dB(A))

64.6

Ldn (dB(A))

72.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:18AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2759997-1

Page 1 of 1

Sample Number 2388450-7
Parameter Noise (Leq 24 hrs.)
Location บริเวณเริ่มวัดด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 22 - Aug 23, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	64.4	82.6	63.8
11:00 AM - 12:00 PM	65.9	82.1	64.9
12:00 PM - 01:00 PM	66.0	72.5	64.9
01:00 PM - 02:00 PM	66.0	78.6	64.9
02:00 PM - 03:00 PM	66.3	79.1	65.3
03:00 PM - 04:00 PM	65.9	83.1	64.8
04:00 PM - 05:00 PM	65.6	76.0	64.8
05:00 PM - 06:00 PM	65.6	80.9	64.8
06:00 PM - 07:00 PM	65.4	74.1	64.6
07:00 PM - 08:00 PM	65.4	78.8	64.6
08:00 PM - 09:00 PM	65.6	81.6	64.7
09:00 PM - 10:00 PM	65.3	72.7	64.5
10:00 PM - 11:00 PM	64.7	76.7	64.1
11:00 PM - 12:00 AM	64.5	84.3	64.0
12:00 AM - 01:00 AM	64.4	72.1	64.0
01:00 AM - 02:00 AM	65.8	69.5	64.8
02:00 AM - 03:00 AM	66.5	78.2	65.5
03:00 AM - 04:00 AM	65.9	70.2	64.9
04:00 AM - 05:00 AM	66.0	80.6	65.0
05:00 AM - 06:00 AM	65.8	73.2	64.9
06:00 AM - 07:00 AM	65.5	69.6	64.5
07:00 AM - 08:00 AM	65.4	70.7	64.5
08:00 AM - 09:00 AM	65.7	75.8	64.6
09:00 AM - 10:00 AM	65.7	81.7	64.7

Leq Average 24 hrs. (dB(A))

65.6

Lmax (dB(A))

84.3

L90 (dB(A))

64.7

Ldn (dB(A))

71.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:19AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2759998-1

Page 1 of 1

Sample Number 2388450-8
Parameter Noise (Leq 24 hrs.)
Location ถนนวัดโสมกน (GPS 47P 0735038, 1405843)
Measurement Date Aug 16 - Aug 17, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.3	73.2	50.8
03:00 PM - 04:00 PM	53.5	64.0	50.1
04:00 PM - 05:00 PM	55.2	69.0	52.4
05:00 PM - 06:00 PM	55.2	64.8	52.5
06:00 PM - 07:00 PM	56.4	65.9	53.5
07:00 PM - 08:00 PM	53.1	62.8	50.9
08:00 PM - 09:00 PM	51.8	66.3	48.7
09:00 PM - 10:00 PM	51.3	73.8	46.8
10:00 PM - 11:00 PM	49.4	65.2	46.9
11:00 PM - 12:00 AM	50.0	66.1	47.5
12:00 AM - 01:00 AM	51.6	76.5	47.4
01:00 AM - 02:00 AM	49.9	64.3	46.6
02:00 AM - 03:00 AM	47.4	57.9	45.7
03:00 AM - 04:00 AM	47.3	57.4	45.3
04:00 AM - 05:00 AM	47.3	58.2	45.5
05:00 AM - 06:00 AM	52.8	62.1	49.4
06:00 AM - 07:00 AM	53.1	63.1	50.9
07:00 AM - 08:00 AM	56.7	79.4	52.5
08:00 AM - 09:00 AM	53.8	67.9	51.3
09:00 AM - 10:00 AM	53.4	71.0	50.7
10:00 AM - 11:00 AM	53.8	63.6	50.9
11:00 AM - 12:00 PM	53.8	66.9	50.9
12:00 PM - 01:00 PM	55.3	65.6	52.3
01:00 PM - 02:00 PM	58.0	72.5	54.6

Leq Average 24 hrs. (dB(A))

53.6

Lmax (dB(A))

79.4

L90 (dB(A))

50.7

Ldn (dB(A))

57.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2759999-1

Page 1 of 1

Sample Number 2388450-9
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมกน (GPS 47P 0735038, 1405843)
Measurement Date Aug 17 - Aug 18, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	58.0	65.9	55.4
03:00 PM - 04:00 PM	57.6	68.8	55.0
04:00 PM - 05:00 PM	59.9	79.3	57.2
05:00 PM - 06:00 PM	57.2	65.7	54.6
06:00 PM - 07:00 PM	57.5	71.3	55.1
07:00 PM - 08:00 PM	55.6	71.5	53.3
08:00 PM - 09:00 PM	57.9	80.2	53.2
09:00 PM - 10:00 PM	52.7	67.6	50.4
10:00 PM - 11:00 PM	53.4	72.6	50.0
11:00 PM - 12:00 AM	52.0	69.5	49.3
12:00 AM - 01:00 AM	49.9	61.5	48.4
01:00 AM - 02:00 AM	49.8	63.8	48.4
02:00 AM - 03:00 AM	49.7	60.6	48.7
03:00 AM - 04:00 AM	49.7	62.1	48.7
04:00 AM - 05:00 AM	49.6	62.7	48.4
05:00 AM - 06:00 AM	52.7	62.6	50.7
06:00 AM - 07:00 AM	53.5	60.8	51.8
07:00 AM - 08:00 AM	54.6	65.0	52.0
08:00 AM - 09:00 AM	52.3	64.0	49.6
09:00 AM - 10:00 AM	51.2	64.9	48.1
10:00 AM - 11:00 AM	51.6	65.4	48.8
11:00 AM - 12:00 PM	54.4	76.7	48.9
12:00 PM - 01:00 PM	54.3	80.7	49.2
01:00 PM - 02:00 PM	51.5	65.7	48.0

Leq Average 24 hrs. (dB(A))

54.7

Lmax (dB(A))

80.7

L90 (dB(A))

49.6

Ldn (dB(A))

58.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760000-1

Page 1 of 1

Sample Number 2388450-10
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมกน (GPS 47P 0735038, 1405843)
Measurement Date Aug 18 - Aug 19, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	51.9	67.6	48.3
03:00 PM - 04:00 PM	54.2	80.9	49.2
04:00 PM - 05:00 PM	57.5	66.4	53.9
05:00 PM - 06:00 PM	57.2	74.2	54.3
06:00 PM - 07:00 PM	57.1	78.7	54.3
07:00 PM - 08:00 PM	56.0	75.3	52.7
08:00 PM - 09:00 PM	54.6	70.0	52.0
09:00 PM - 10:00 PM	52.0	67.3	48.9
10:00 PM - 11:00 PM	51.3	76.0	46.9
11:00 PM - 12:00 AM	51.4	79.9	47.0
12:00 AM - 01:00 AM	50.8	70.4	48.4
01:00 AM - 02:00 AM	49.4	69.1	45.6
02:00 AM - 03:00 AM	48.1	66.9	45.8
03:00 AM - 04:00 AM	46.5	62.7	45.2
04:00 AM - 05:00 AM	47.1	62.1	45.5
05:00 AM - 06:00 AM	52.4	67.8	49.6
06:00 AM - 07:00 AM	53.2	67.9	50.0
07:00 AM - 08:00 AM	54.0	72.6	50.5
08:00 AM - 09:00 AM	51.9	74.7	47.9
09:00 AM - 10:00 AM	51.7	69.2	47.8
10:00 AM - 11:00 AM	50.5	65.6	47.6
11:00 AM - 12:00 PM	53.9	67.6	50.2
12:00 PM - 01:00 PM	53.5	69.8	49.2
01:00 PM - 02:00 PM	51.6	65.2	48.0

Leq Average 24 hrs. (dB(A))

53.3

Lmax (dB(A))

80.9

L90 (dB(A))

48.4

Ldn (dB(A))

57.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760001-1

Page 1 of 1

Sample Number 2388450-11
Parameter Noise (Leq 24 hrs.)
Location หมู่ชนวัดโสมน (GPS 47P 0735038, 1405843)
Measurement Date Aug 19 - Aug 20, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	52.5	68.1	48.8
03:00 PM - 04:00 PM	52.7	65.8	49.3
04:00 PM - 05:00 PM	54.1	75.6	50.8
05:00 PM - 06:00 PM	54.2	68.7	51.5
06:00 PM - 07:00 PM	55.6	70.5	52.0
07:00 PM - 08:00 PM	59.0	76.3	52.5
08:00 PM - 09:00 PM	54.8	68.5	51.5
09:00 PM - 10:00 PM	54.2	70.2	48.9
10:00 PM - 11:00 PM	52.9	75.4	48.2
11:00 PM - 12:00 AM	51.5	69.3	48.1
12:00 AM - 01:00 AM	51.4	67.6	47.9
01:00 AM - 02:00 AM	50.9	74.7	46.7
02:00 AM - 03:00 AM	49.4	73.2	45.7
03:00 AM - 04:00 AM	47.5	65.3	45.1
04:00 AM - 05:00 AM	48.3	70.1	45.3
05:00 AM - 06:00 AM	53.3	67.0	50.0
06:00 AM - 07:00 AM	50.6	66.1	47.5
07:00 AM - 08:00 AM	52.2	71.8	47.9
08:00 AM - 09:00 AM	55.1	76.5	48.8
09:00 AM - 10:00 AM	61.7	76.5	58.7
10:00 AM - 11:00 AM	54.5	76.0	50.7
11:00 AM - 12:00 PM	51.6	67.3	48.6
12:00 PM - 01:00 PM	51.9	68.0	49.0
01:00 PM - 02:00 PM	52.3	65.0	49.0

Leq Average 24 hrs. (dB(A))

54.3

Lmax (dB(A))

76.5

L90 (dB(A))

48.8

Ldn (dB(A))

58.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:19AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760002-1

Page 1 of 1

Sample Number 2388450-12
Parameter Noise (Leq 24 hrs.)
Location หมู่ชนวัดโสมน (GPS 47P 0735038, 1405843)
Measurement Date Aug 20 - Aug 21, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	51.2	66.2	48.6
03:00 PM - 04:00 PM	50.7	64.8	47.8
04:00 PM - 05:00 PM	52.8	70.0	50.0
05:00 PM - 06:00 PM	53.3	68.4	50.4
06:00 PM - 07:00 PM	55.8	74.8	52.7
07:00 PM - 08:00 PM	57.9	80.8	51.7
08:00 PM - 09:00 PM	55.2	72.4	51.1
09:00 PM - 10:00 PM	53.7	80.6	47.7
10:00 PM - 11:00 PM	51.4	68.2	47.4
11:00 PM - 12:00 AM	50.2	68.7	46.3
12:00 AM - 01:00 AM	51.7	72.1	48.6
01:00 AM - 02:00 AM	48.9	67.8	46.0
02:00 AM - 03:00 AM	49.2	65.5	47.0
03:00 AM - 04:00 AM	50.2	61.2	48.5
04:00 AM - 05:00 AM	54.8	64.5	53.8
05:00 AM - 06:00 AM	54.9	64.6	53.7
06:00 AM - 07:00 AM	57.5	65.0	56.7
07:00 AM - 08:00 AM	56.2	68.4	53.0
08:00 AM - 09:00 AM	63.9	73.1	62.0
09:00 AM - 10:00 AM	56.3	67.5	55.3
10:00 AM - 11:00 AM	52.4	73.1	48.9
11:00 AM - 12:00 PM	51.0	66.2	47.8
12:00 PM - 01:00 PM	53.3	74.2	50.3
01:00 PM - 02:00 PM	56.3	73.0	50.1

Leq Average 24 hrs. (dB(A))

55.4

Lmax (dB(A))

80.8

L90 (dB(A))

50.0

Ldn (dB(A))

60.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:21AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760003-1

Page 1 of 1

Sample Number 2388450-13
Parameter Noise (Leq 24 hrs.)
Location หมู่บ้านวัดโสมกวน (GPS 47P 0735038, 1405843)
Measurement Date Aug 21 - Aug 22, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	55.1	71.9	49.8
03:00 PM - 04:00 PM	55.5	69.4	51.6
04:00 PM - 05:00 PM	56.6	70.4	54.3
05:00 PM - 06:00 PM	57.7	81.9	53.7
06:00 PM - 07:00 PM	57.9	68.6	54.7
07:00 PM - 08:00 PM	57.5	71.7	53.5
08:00 PM - 09:00 PM	61.8	72.4	58.4
09:00 PM - 10:00 PM	55.9	68.0	53.8
10:00 PM - 11:00 PM	60.5	73.9	59.1
11:00 PM - 12:00 AM	56.4	80.6	53.6
12:00 AM - 01:00 AM	56.8	66.9	55.9
01:00 AM - 02:00 AM	51.7	66.2	50.9
02:00 AM - 03:00 AM	50.3	63.9	49.6
03:00 AM - 04:00 AM	50.1	62.6	49.4
04:00 AM - 05:00 AM	50.5	62.2	49.5
05:00 AM - 06:00 AM	51.5	65.3	49.7
06:00 AM - 07:00 AM	54.1	68.2	52.2
07:00 AM - 08:00 AM	55.4	71.1	52.6
08:00 AM - 09:00 AM	55.1	70.1	51.7
09:00 AM - 10:00 AM	52.4	74.7	49.2
10:00 AM - 11:00 AM	52.7	71.9	49.1
11:00 AM - 12:00 PM	53.0	68.8	50.3
12:00 PM - 01:00 PM	55.0	78.1	51.6
01:00 PM - 02:00 PM	61.8	80.2	56.6

Leq Average 24 hrs. (dB(A))

56.5

Lmax (dB(A))

81.9

L90 (dB(A))

51.7

Ldn (dB(A))

61.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:21AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760004-1

Page 1 of 1

Sample Number 2388450-14
Parameter Noise (Leq 24 hrs.)
Location หมู่บ้านวัดโสมกวน (GPS 47P 0735038, 1405843)
Measurement Date Aug 22 - Aug 23, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900071

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.8	75.2	55.5
03:00 PM - 04:00 PM	63.8	82.3	54.0
04:00 PM - 05:00 PM	62.3	80.2	55.1
05:00 PM - 06:00 PM	54.1	74.6	51.8
06:00 PM - 07:00 PM	54.3	72.1	51.1
07:00 PM - 08:00 PM	52.8	68.0	50.8
08:00 PM - 09:00 PM	52.8	73.3	50.5
09:00 PM - 10:00 PM	52.2	68.2	49.6
10:00 PM - 11:00 PM	51.9	67.7	49.6
11:00 PM - 12:00 AM	53.5	78.9	50.3
12:00 AM - 01:00 AM	53.3	78.6	50.7
01:00 AM - 02:00 AM	50.7	63.5	49.1
02:00 AM - 03:00 AM	51.0	66.6	49.2
03:00 AM - 04:00 AM	50.8	59.8	49.1
04:00 AM - 05:00 AM	51.7	63.1	49.5
05:00 AM - 06:00 AM	52.4	63.5	50.1
06:00 AM - 07:00 AM	54.3	66.6	52.1
07:00 AM - 08:00 AM	54.9	71.1	52.2
08:00 AM - 09:00 AM	53.0	66.9	50.5
09:00 AM - 10:00 AM	53.5	74.9	50.1
10:00 AM - 11:00 AM	54.2	82.6	49.2
11:00 AM - 12:00 PM	55.4	69.1	51.7
12:00 PM - 01:00 PM	55.0	71.3	50.7
01:00 PM - 02:00 PM	53.1	66.7	49.5

Leq Average 24 hrs. (dB(A))

56.1

Lmax (dB(A))

82.6

L90 (dB(A))

50.5

Ldn (dB(A))

60.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:21AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760005-1

Page 1 of 1

Sample Number 2388450-15
Parameter Noise (Leq 24 hrs.)
Location ถนนตากวน-ลำประหลี่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 16 - Aug 17, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	53.7	72.2	48.5
03:00 PM - 04:00 PM	53.5	67.2	48.0
04:00 PM - 05:00 PM	54.8	73.3	50.5
05:00 PM - 06:00 PM	54.3	68.2	50.5
06:00 PM - 07:00 PM	54.8	74.6	50.1
07:00 PM - 08:00 PM	54.3	77.8	48.9
08:00 PM - 09:00 PM	53.7	78.5	47.8
09:00 PM - 10:00 PM	54.4	76.7	47.3
10:00 PM - 11:00 PM	52.1	75.8	46.3
11:00 PM - 12:00 AM	50.7	68.7	46.6
12:00 AM - 01:00 AM	52.9	76.7	45.8
01:00 AM - 02:00 AM	50.1	69.1	45.3
02:00 AM - 03:00 AM	47.4	63.7	44.7
03:00 AM - 04:00 AM	50.4	68.7	43.5
04:00 AM - 05:00 AM	50.9	68.3	43.2
05:00 AM - 06:00 AM	53.1	69.8	45.5
06:00 AM - 07:00 AM	55.3	72.0	50.1
07:00 AM - 08:00 AM	56.0	75.8	50.7
08:00 AM - 09:00 AM	54.5	70.1	49.8
09:00 AM - 10:00 AM	51.9	69.3	47.7
10:00 AM - 11:00 AM	55.4	74.8	51.0
11:00 AM - 12:00 PM	55.9	69.4	52.0
12:00 PM - 01:00 PM	54.7	69.9	50.5
01:00 PM - 02:00 PM	55.4	70.6	51.3

Leq Average 24 hrs. (dB(A))

53.8

Lmax (dB(A))

78.5

L90 (dB(A))

48.0

Ldn (dB(A))

58.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760006-1

Page 1 of 1

Sample Number 2388450-16
Parameter Noise (Leq 24 hrs.)
Location ถนนตากวน-ลำประหลี่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 17 - Aug 18, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.4	68.6	50.7
03:00 PM - 04:00 PM	54.4	71.9	49.4
04:00 PM - 05:00 PM	55.0	72.1	51.1
05:00 PM - 06:00 PM	55.5	75.5	51.7
06:00 PM - 07:00 PM	60.1	81.6	51.0
07:00 PM - 08:00 PM	54.8	72.3	49.8
08:00 PM - 09:00 PM	53.3	73.8	48.5
09:00 PM - 10:00 PM	52.0	72.2	46.4
10:00 PM - 11:00 PM	50.7	70.5	45.2
11:00 PM - 12:00 AM	51.3	74.9	46.0
12:00 AM - 01:00 AM	48.8	67.1	44.5
01:00 AM - 02:00 AM	50.7	76.3	43.4
02:00 AM - 03:00 AM	46.2	63.2	43.4
03:00 AM - 04:00 AM	47.1	66.0	42.8
04:00 AM - 05:00 AM	51.3	70.5	43.1
05:00 AM - 06:00 AM	54.1	69.6	46.1
06:00 AM - 07:00 AM	54.1	69.1	48.9
07:00 AM - 08:00 AM	55.2	70.9	50.2
08:00 AM - 09:00 AM	52.8	66.9	47.9
09:00 AM - 10:00 AM	52.7	76.0	46.8
10:00 AM - 11:00 AM	50.8	71.6	45.9
11:00 AM - 12:00 PM	52.7	69.3	47.1
12:00 PM - 01:00 PM	53.5	72.8	48.6
01:00 PM - 02:00 PM	53.0	65.7	48.7

Leq Average 24 hrs. (dB(A))

53.6

Lmax (dB(A))

81.6

L90 (dB(A))

47.1

Ldn (dB(A))

58.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760007-1

Page 1 of 1

Sample Number 2388450-17
Parameter Noise (Leq 24 hrs.)
Location ถนนตากวน-ลำประหลี่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 18 - Aug 19, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	52.4	72.3	46.8
03:00 PM - 04:00 PM	53.1	72.6	48.6
04:00 PM - 05:00 PM	55.2	75.0	50.7
05:00 PM - 06:00 PM	55.5	75.7	50.8
06:00 PM - 07:00 PM	60.7	81.0	50.1
07:00 PM - 08:00 PM	54.4	72.1	50.0
08:00 PM - 09:00 PM	53.2	71.9	48.4
09:00 PM - 10:00 PM	54.1	81.0	45.9
10:00 PM - 11:00 PM	51.7	73.0	45.5
11:00 PM - 12:00 AM	52.3	79.3	44.8
12:00 AM - 01:00 AM	51.2	74.8	44.5
01:00 AM - 02:00 AM	48.1	68.3	44.6
02:00 AM - 03:00 AM	50.5	74.4	43.7
03:00 AM - 04:00 AM	51.3	80.1	42.3
04:00 AM - 05:00 AM	50.7	69.2	42.4
05:00 AM - 06:00 AM	54.4	72.4	45.0
06:00 AM - 07:00 AM	54.5	70.9	48.7
07:00 AM - 08:00 AM	54.8	74.9	48.0
08:00 AM - 09:00 AM	51.7	69.4	45.4
09:00 AM - 10:00 AM	51.9	71.3	45.2
10:00 AM - 11:00 AM	50.8	68.4	45.5
11:00 AM - 12:00 PM	53.4	71.5	46.9
12:00 PM - 01:00 PM	52.7	71.7	46.9
01:00 PM - 02:00 PM	51.2	70.5	46.1

Leq Average 24 hrs. (dB(A))

53.7

Lmax (dB(A))

81.0

L90 (dB(A))

45.9

Ldn (dB(A))

58.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760008-1

Page 1 of 1

Sample Number 2388450-18
Parameter Noise (Leq 24 hrs.)
Location ถนนตากวน-ลำประหลี่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 19 - Aug 20, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	55.0	73.5	49.8
03:00 PM - 04:00 PM	54.8	68.5	49.3
04:00 PM - 05:00 PM	55.5	73.7	51.2
05:00 PM - 06:00 PM	54.7	68.6	50.9
06:00 PM - 07:00 PM	54.7	73.9	50.1
07:00 PM - 08:00 PM	53.6	77.1	48.2
08:00 PM - 09:00 PM	53.6	79.1	47.4
09:00 PM - 10:00 PM	55.0	77.3	47.9
10:00 PM - 11:00 PM	52.7	76.4	46.9
11:00 PM - 12:00 AM	51.2	69.2	47.1
12:00 AM - 01:00 AM	53.4	77.2	46.3
01:00 AM - 02:00 AM	50.6	69.6	45.8
02:00 AM - 03:00 AM	47.9	64.2	45.2
03:00 AM - 04:00 AM	50.9	69.2	44.0
04:00 AM - 05:00 AM	51.4	68.8	43.7
05:00 AM - 06:00 AM	53.6	70.3	46.0
06:00 AM - 07:00 AM	55.8	72.5	50.6
07:00 AM - 08:00 AM	56.7	76.3	51.5
08:00 AM - 09:00 AM	55.3	70.9	50.6
09:00 AM - 10:00 AM	52.7	70.0	48.5
10:00 AM - 11:00 AM	56.1	75.5	51.7
11:00 AM - 12:00 PM	56.6	70.1	52.7
12:00 PM - 01:00 PM	55.2	70.4	51.0
01:00 PM - 02:00 PM	55.9	71.1	51.8

Leq Average 24 hrs. (dB(A))

54.3

Lmax (dB(A))

79.1

L90 (dB(A))

48.5

Ldn (dB(A))

59.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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4989-122/ EMAIL

S:\Reports_Air Noise.rpt (11:22AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760009-1

Page 1 of 1

Sample Number 2388450-19
Parameter Noise (Leq 24 hrs.)
Location ถนนตากวน-ลำประหลี่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 20 - Aug 21, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	52.3	66.8	46.1
03:00 PM - 04:00 PM	52.1	72.2	45.9
04:00 PM - 05:00 PM	55.3	78.4	49.5
05:00 PM - 06:00 PM	60.4	83.0	50.3
06:00 PM - 07:00 PM	54.4	71.0	49.5
07:00 PM - 08:00 PM	53.8	71.5	49.5
08:00 PM - 09:00 PM	52.9	71.6	48.9
09:00 PM - 10:00 PM	53.1	74.3	47.7
10:00 PM - 11:00 PM	52.2	71.3	47.4
11:00 PM - 12:00 AM	51.0	67.6	46.5
12:00 AM - 01:00 AM	51.5	76.0	44.4
01:00 AM - 02:00 AM	50.6	76.0	43.0
02:00 AM - 03:00 AM	48.9	73.6	42.8
03:00 AM - 04:00 AM	50.9	76.6	41.7
04:00 AM - 05:00 AM	52.7	76.0	42.0
05:00 AM - 06:00 AM	52.8	72.0	42.6
06:00 AM - 07:00 AM	53.6	77.0	46.3
07:00 AM - 08:00 AM	54.4	73.2	47.6
08:00 AM - 09:00 AM	54.8	83.8	47.4
09:00 AM - 10:00 AM	62.9	73.9	54.5
10:00 AM - 11:00 AM	54.5	72.3	48.8
11:00 AM - 12:00 PM	53.6	72.4	47.7
12:00 PM - 01:00 PM	54.2	74.1	49.4
01:00 PM - 02:00 PM	55.3	70.6	50.6

Leq Average 24 hrs. (dB(A))

55.0

Lmax (dB(A))

83.8

L90 (dB(A))

47.4

Ldn (dB(A))

59.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:22AM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number: 2760010-1

Page 1 of 1

Sample Number 2388450-20
Parameter Noise (Leq 24 hrs.)
Location ถนนตากวน-ลำประหลี่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 21 - Aug 22, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	53.2	72.0	47.4
03:00 PM - 04:00 PM	54.6	73.6	49.1
04:00 PM - 05:00 PM	55.1	72.8	49.8
05:00 PM - 06:00 PM	55.7	76.9	49.8
06:00 PM - 07:00 PM	55.7	75.0	50.4
07:00 PM - 08:00 PM	56.2	83.0	49.3
08:00 PM - 09:00 PM	56.1	78.8	48.9
09:00 PM - 10:00 PM	52.5	77.0	46.4
10:00 PM - 11:00 PM	51.6	73.4	44.2
11:00 PM - 12:00 AM	51.2	76.6	44.7
12:00 AM - 01:00 AM	48.9	67.8	45.1
01:00 AM - 02:00 AM	48.7	67.5	45.4
02:00 AM - 03:00 AM	48.8	67.6	44.2
03:00 AM - 04:00 AM	47.6	66.6	42.6
04:00 AM - 05:00 AM	48.2	68.3	42.6
05:00 AM - 06:00 AM	53.7	68.7	49.8
06:00 AM - 07:00 AM	56.4	75.3	52.6
07:00 AM - 08:00 AM	55.0	67.1	51.0
08:00 AM - 09:00 AM	57.7	68.2	53.5
09:00 AM - 10:00 AM	55.0	68.2	51.4
10:00 AM - 11:00 AM	53.8	72.7	46.1
11:00 AM - 12:00 PM	52.6	76.8	46.1
12:00 PM - 01:00 PM	55.9	69.7	48.0
01:00 PM - 02:00 PM	55.3	76.3	47.8

Leq Average 24 hrs. (dB(A))

54.1

Lmax (dB(A))

83.0

L90 (dB(A))

47.8

Ldn (dB(A))

58.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388450
Date Received : Aug 23, 2023
Date Reported : Sep 05, 2023
Report Number: 2760011-1

Page 1 of 1

Sample Number 2388450-21
Parameter Noise (Leq 24 hrs.)
Location วนวนตากวน-ฉะปะระ (GPS 47P 0735531, 1402769)
Measurement Date Aug 22 - Aug 23, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.3	68.3	48.4
03:00 PM - 04:00 PM	59.9	81.6	51.9
04:00 PM - 05:00 PM	59.5	81.1	54.2
05:00 PM - 06:00 PM	56.0	69.5	52.1
06:00 PM - 07:00 PM	54.4	70.8	50.5
07:00 PM - 08:00 PM	53.7	71.8	49.7
08:00 PM - 09:00 PM	60.8	77.2	58.0
09:00 PM - 10:00 PM	53.6	71.9	50.3
10:00 PM - 11:00 PM	55.0	67.8	52.3
11:00 PM - 12:00 AM	61.0	76.9	58.6
12:00 AM - 01:00 AM	62.4	68.7	61.1
01:00 AM - 02:00 AM	61.8	66.4	59.6
02:00 AM - 03:00 AM	64.2	74.4	60.9
03:00 AM - 04:00 AM	65.6	70.5	64.1
04:00 AM - 05:00 AM	65.8	73.9	64.3
05:00 AM - 06:00 AM	61.7	70.5	57.0
06:00 AM - 07:00 AM	56.0	73.8	50.3
07:00 AM - 08:00 AM	56.5	73.3	51.6
08:00 AM - 09:00 AM	55.8	74.0	51.8
09:00 AM - 10:00 AM	55.7	71.1	51.5
10:00 AM - 11:00 AM	56.1	78.6	50.5
11:00 AM - 12:00 PM	52.8	69.2	47.1
12:00 PM - 01:00 PM	58.6	75.4	48.3
01:00 PM - 02:00 PM	52.3	71.1	47.2

Leq Average 24 hrs. (dB(A)) 60.0
Lmax (dB(A)) 81.6
L90 (dB(A)) 51.8
Ldn (dB(A)) 68.6
Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ
โรงงาน พ.ศ. 2548

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:23AM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4514154868
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814
Date Received : Aug 23, 2023
Date Reported : Sep 05, 2023
Report Number : 2756851-1

Page 1 of 3

Sample Number 2388814-1
Parameter Noise Level (Leq 5 min)
Location วนวนตากวน (GPS 47P 0735038, 1405843)
Measurement Date Aug 16 - Aug 17, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 16, 2023 Time	Leq dB(A)	L90 dB(A)	Aug 16, 2023 Time	Leq dB(A)	L90 dB(A)	Aug 16, 2023 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	54.0	52.3	04:40 PM - 04:45 PM	57.1	54.2	07:20 PM - 07:25 PM	52.8	51.2
02:05 PM - 02:10 PM	52.6	49.3	04:45 PM - 04:50 PM	55.7	53.2	07:25 PM - 07:30 PM	52.9	50.8
02:10 PM - 02:15 PM	51.8	49.6	04:50 PM - 04:55 PM	55.7	53.6	07:30 PM - 07:35 PM	52.0	49.7
02:15 PM - 02:20 PM	51.9	49.6	04:55 PM - 05:00 PM	54.4	51.0	07:35 PM - 07:40 PM	53.1	50.8
02:20 PM - 02:25 PM	54.0	50.7	05:00 PM - 05:05 PM	56.4	53.6	07:40 PM - 07:45 PM	53.3	49.9
02:25 PM - 02:30 PM	52.6	49.3	05:05 PM - 05:10 PM	55.7	53.3	07:45 PM - 07:50 PM	53.3	51.8
02:30 PM - 02:35 PM	54.6	50.1	05:10 PM - 05:15 PM	56.2	53.8	07:50 PM - 07:55 PM	51.2	48.2
02:35 PM - 02:40 PM	57.4	51.8	05:15 PM - 05:20 PM	55.9	52.0	07:55 PM - 08:00 PM	53.4	50.7
02:40 PM - 02:45 PM	54.5	52.0	05:20 PM - 05:25 PM	55.3	53.7	08:00 PM - 08:05 PM	51.3	49.7
02:45 PM - 02:50 PM	54.7	50.9	05:25 PM - 05:30 PM	55.9	52.8	08:05 PM - 08:10 PM	54.2	51.2
02:50 PM - 02:55 PM	54.3	51.5	05:30 PM - 05:35 PM	54.0	50.9	08:10 PM - 08:15 PM	53.5	50.2
02:55 PM - 03:00 PM	55.3	51.2	05:35 PM - 05:40 PM	53.5	51.4	08:15 PM - 08:20 PM	54.0	50.0
03:00 PM - 03:05 PM	54.5	49.4	05:40 PM - 05:45 PM	53.8	51.8	08:20 PM - 08:25 PM	51.1	47.6
03:05 PM - 03:10 PM	55.3	51.6	05:45 PM - 05:50 PM	53.5	51.1	08:25 PM - 08:30 PM	52.4	48.5
03:10 PM - 03:15 PM	54.0	49.8	05:50 PM - 05:55 PM	54.8	52.1	08:30 PM - 08:35 PM	50.3	47.7
03:15 PM - 03:20 PM	54.3	50.6	05:55 PM - 06:00 PM	56.3	52.7	08:35 PM - 08:40 PM	50.4	47.5
03:20 PM - 03:25 PM	55.1	52.0	06:00 PM - 06:05 PM	56.7	53.4	08:40 PM - 08:45 PM	51.1	48.1
03:25 PM - 03:30 PM	52.6	49.9	06:05 PM - 06:10 PM	56.1	52.3	08:45 PM - 08:50 PM	49.5	46.7
03:30 PM - 03:35 PM	52.5	48.8	06:10 PM - 06:15 PM	56.5	53.1	08:50 PM - 08:55 PM	49.0	46.8
03:35 PM - 03:40 PM	52.9	50.9	06:15 PM - 06:20 PM	54.7	51.9	08:55 PM - 09:00 PM	50.8	47.0
03:40 PM - 03:45 PM	52.2	49.5	06:20 PM - 06:25 PM	55.4	53.5	09:00 PM - 09:05 PM	50.5	46.3
03:45 PM - 03:50 PM	51.8	48.1	06:25 PM - 06:30 PM	54.1	52.6	09:05 PM - 09:10 PM	54.4	47.9
03:50 PM - 03:55 PM	52.1	49.5	06:30 PM - 06:35 PM	53.8	51.3	09:10 PM - 09:15 PM	49.2	47.0
03:55 PM - 04:00 PM	52.8	49.4	06:35 PM - 06:40 PM	57.1	52.8	09:15 PM - 09:20 PM	56.3	47.4
04:00 PM - 04:05 PM	53.9	50.8	06:40 PM - 06:45 PM	57.8	53.3	09:20 PM - 09:25 PM	50.0	45.6
04:05 PM - 04:10 PM	53.2	51.2	06:45 PM - 06:50 PM	59.9	58.8	09:25 PM - 09:30 PM	49.2	46.7
04:10 PM - 04:15 PM	53.4	51.4	06:50 PM - 06:55 PM	56.5	51.0	09:30 PM - 09:35 PM	49.4	47.3
04:15 PM - 04:20 PM	54.2	51.6	06:55 PM - 07:00 PM	53.6	51.1	09:35 PM - 09:40 PM	50.6	47.0
04:20 PM - 04:25 PM	54.2	51.2	07:00 PM - 07:05 PM	54.3	52.0	09:40 PM - 09:45 PM	49.4	46.9
04:25 PM - 04:30 PM	56.8	52.0	07:05 PM - 07:10 PM	54.0	51.9	09:45 PM - 09:50 PM	51.2	46.5
04:30 PM - 04:35 PM	55.8	53.2	07:10 PM - 07:15 PM	53.3	51.1	09:50 PM - 09:55 PM	48.6	46.6
04:35 PM - 04:40 PM	55.8	53.6	07:15 PM - 07:20 PM	53.3	51.8	09:55 PM - 10:00 PM	48.0	46.0

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Approved by

Sarayuth Jitrantorn

Sarayuth Jitrantorn
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756851-1

Page 2 of 3

Sample Number 2388814-1
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโสน (GPS 47P 0735038, 1405843)
Measurement Date Aug 16 - Aug 17, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 16 - Aug 17, 2023			Aug 17, 2023			Aug 17, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	51.2	47.1	12:40 AM - 12:45 AM	47.7	46.3	03:20 AM - 03:25 AM	45.4	44.7
10:05 PM - 10:10 PM	49.2	46.1	12:45 AM - 12:50 AM	47.6	46.0	03:25 AM - 03:30 AM	46.7	45.1
10:10 PM - 10:15 PM	50.1	46.8	12:50 AM - 12:55 AM	49.0	46.2	03:30 AM - 03:35 AM	46.8	44.7
10:15 PM - 10:20 PM	51.1	47.9	12:55 AM - 01:00 AM	49.8	47.0	03:35 AM - 03:40 AM	48.4	46.2
10:20 PM - 10:25 PM	49.6	47.1	01:00 AM - 01:05 AM	50.9	47.8	03:40 AM - 03:45 AM	46.5	44.9
10:25 PM - 10:30 PM	49.4	47.9	01:05 AM - 01:10 AM	47.5	46.0	03:45 AM - 03:50 AM	49.1	46.9
10:30 PM - 10:35 PM	49.5	47.8	01:10 AM - 01:15 AM	47.7	46.4	03:50 AM - 03:55 AM	50.0	45.6
10:35 PM - 10:40 PM	49.7	47.5	01:15 AM - 01:20 AM	47.7	46.2	03:55 AM - 04:00 AM	46.4	45.0
10:40 PM - 10:45 PM	48.3	46.2	01:20 AM - 01:25 AM	50.6	46.8	04:00 AM - 04:05 AM	46.1	44.9
10:45 PM - 10:50 PM	47.9	45.8	01:25 AM - 01:30 AM	52.3	47.3	04:05 AM - 04:10 AM	49.3	46.7
10:50 PM - 10:55 PM	48.5	46.1	01:30 AM - 01:35 AM	50.4	46.3	04:10 AM - 04:15 AM	47.4	45.7
10:55 PM - 11:00 PM	46.7	45.7	01:35 AM - 01:40 AM	51.4	46.9	04:15 AM - 04:20 AM	47.2	44.7
11:00 PM - 11:05 PM	48.4	45.9	01:40 AM - 01:45 AM	50.5	46.5	04:20 AM - 04:25 AM	46.1	45.1
11:05 PM - 11:10 PM	48.1	46.4	01:45 AM - 01:50 AM	49.6	46.8	04:25 AM - 04:30 AM	48.5	46.2
11:10 PM - 11:15 PM	48.1	46.1	01:50 AM - 01:55 AM	48.1	45.4	04:30 AM - 04:35 AM	46.3	44.9
11:15 PM - 11:20 PM	47.7	46.3	01:55 AM - 02:00 AM	48.0	45.8	04:35 AM - 04:40 AM	45.9	45.1
11:20 PM - 11:25 PM	50.3	47.6	02:00 AM - 02:05 AM	48.1	45.6	04:40 AM - 04:45 AM	47.2	45.5
11:25 PM - 11:30 PM	50.7	48.6	02:05 AM - 02:10 AM	47.3	45.8	04:45 AM - 04:50 AM	47.4	45.8
11:30 PM - 11:35 PM	50.8	48.1	02:10 AM - 02:15 AM	48.3	45.9	04:50 AM - 04:55 AM	47.8	45.6
11:35 PM - 11:40 PM	51.7	48.4	02:15 AM - 02:20 AM	46.9	45.9	04:55 AM - 05:00 AM	47.6	45.7
11:40 PM - 11:45 PM	51.8	49.8	02:20 AM - 02:25 AM	48.8	45.6	05:00 AM - 05:05 AM	47.0	45.7
11:45 PM - 11:50 PM	51.6	46.6	02:25 AM - 02:30 AM	47.3	45.9	05:05 AM - 05:10 AM	48.1	45.9
11:50 PM - 11:55 PM	47.4	46.1	02:30 AM - 02:35 AM	47.0	45.6	05:10 AM - 05:15 AM	48.4	46.1
11:55 PM - 12:00 AM	50.1	47.5	02:35 AM - 02:40 AM	47.4	45.8	05:15 AM - 05:20 AM	48.2	45.6
12:00 AM - 12:05 AM	49.0	47.4	02:40 AM - 02:45 AM	46.5	45.4	05:20 AM - 05:25 AM	47.2	45.4
12:05 AM - 12:10 AM	49.2	46.9	02:45 AM - 02:50 AM	47.3	45.5	05:25 AM - 05:30 AM	47.8	45.8
12:10 AM - 12:15 AM	57.6	47.1	02:50 AM - 02:55 AM	46.2	45.4	05:30 AM - 05:35 AM	48.1	45.7
12:15 AM - 12:20 AM	50.0	47.7	02:55 AM - 03:00 AM	47.4	45.5	05:35 AM - 05:40 AM	48.8	45.8
12:20 AM - 12:25 AM	48.9	47.3	03:00 AM - 03:05 AM	45.9	45.0	05:40 AM - 05:45 AM	58.0	47.1
12:25 AM - 12:30 AM	54.6	51.4	03:05 AM - 03:10 AM	47.0	45.3	05:45 AM - 05:50 AM	59.3	57.5
12:30 AM - 12:35 AM	52.6	46.5	03:10 AM - 03:15 AM	46.2	45.1	05:50 AM - 05:55 AM	53.5	48.0
12:35 AM - 12:40 AM	47.3	45.8	03:15 AM - 03:20 AM	47.1	45.0	05:55 AM - 06:00 AM	49.7	47.9

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756851-1

Page 3 of 3

Sample Number 2388814-1
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโสน (GPS 47P 0735038, 1405843)
Measurement Date Aug 16 - Aug 17, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 17, 2023			Aug 17, 2023			Aug 17, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	50.3	48.4	08:40 AM - 08:45 AM	53.7	51.6	11:20 AM - 11:25 AM	52.7	50.6
06:05 AM - 06:10 AM	52.1	49.2	08:45 AM - 08:50 AM	54.4	50.7	11:25 AM - 11:30 AM	53.9	51.4
06:10 AM - 06:15 AM	51.9	49.8	08:50 AM - 08:55 AM	52.9	49.9	11:30 AM - 11:35 AM	54.3	51.1
06:15 AM - 06:20 AM	52.2	49.3	08:55 AM - 09:00 AM	52.2	48.9	11:35 AM - 11:40 AM	54.8	50.5
06:20 AM - 06:25 AM	52.3	50.4	09:00 AM - 09:05 AM	52.5	49.6	11:40 AM - 11:45 AM	53.8	50.1
06:25 AM - 06:30 AM	53.2	50.5	09:05 AM - 09:10 AM	53.6	50.7	11:45 AM - 11:50 AM	52.1	50.0
06:30 AM - 06:35 AM	53.2	51.1	09:10 AM - 09:15 AM	54.6	50.8	11:50 AM - 11:55 AM	54.8	51.1
06:35 AM - 06:40 AM	53.5	51.3	09:15 AM - 09:20 AM	52.4	49.5	11:55 AM - 12:00 PM	53.6	51.3
06:40 AM - 06:45 AM	53.9	51.5	09:20 AM - 09:25 AM	53.3	50.9	12:00 PM - 12:05 PM	53.1	51.0
06:45 AM - 06:50 AM	53.8	51.9	09:25 AM - 09:30 AM	53.0	49.9	12:05 PM - 12:10 PM	54.6	52.3
06:50 AM - 06:55 AM	54.3	52.8	09:30 AM - 09:35 AM	52.7	49.9	12:10 PM - 12:15 PM	58.1	54.7
06:55 AM - 07:00 AM	54.9	52.2	09:35 AM - 09:40 AM	53.4	51.1	12:15 PM - 12:20 PM	58.1	56.3
07:00 AM - 07:05 AM	53.7	52.3	09:40 AM - 09:45 AM	52.9	50.7	12:20 PM - 12:25 PM	55.6	51.8
07:05 AM - 07:10 AM	55.7	53.3	09:45 AM - 09:50 AM	53.6	51.5	12:25 PM - 12:30 PM	55.4	51.1
07:10 AM - 07:15 AM	54.8	52.8	09:50 AM - 09:55 AM	53.9	51.7	12:30 PM - 12:35 PM	55.2	51.0
07:15 AM - 07:20 AM	56.5	52.7	09:55 AM - 10:00 AM	54.5	51.8	12:35 PM - 12:40 PM	53.9	50.6
07:20 AM - 07:25 AM	55.6	52.8	10:00 AM - 10:05 AM	53.5	51.3	12:40 PM - 12:45 PM	55.7	52.2
07:25 AM - 07:30 AM	55.3	52.2	10:05 AM - 10:10 AM	51.9	50.3	12:45 PM - 12:50 PM	53.6	51.2
07:30 AM - 07:35 AM	62.5	52.3	10:10 AM - 10:15 AM	53.1	50.5	12:50 PM - 12:55 PM	53.1	50.3
07:35 AM - 07:40 AM	54.1	52.3	10:15 AM - 10:20 AM	53.0	50.9	12:55 PM - 01:00 PM	53.2	50.5
07:40 AM - 07:45 AM	54.6	51.9	10:20 AM - 10:25 AM	52.9	51.0	01:00 PM - 01:05 PM	54.6	51.1
07:45 AM - 07:50 AM	56.8	52.5	10:25 AM - 10:30 AM	52.9	50.5	01:05 PM - 01:10 PM	55.4	52.0
07:50 AM - 07:55 AM	54.3	52.4	10:30 AM - 10:35 AM	52.5	50.0	01:10 PM - 01:15 PM	57.1	53.6
07:55 AM - 08:00 AM	56.2	52.9	10:35 AM - 10:40 AM	55.1	50.6	01:15 PM - 01:20 PM	58.3	54.8
08:00 AM - 08:05 AM	55.5	52.6	10:40 AM - 10:45 AM	55.7	51.1	01:20 PM - 01:25 PM	57.5	53.5
08:05 AM - 08:10 AM	53.4	51.3	10:45 AM - 10:50 AM	54.1	51.8	01:25 PM - 01:30 PM	60.2	55.1
08:10 AM - 08:15 AM	53.7	51.8	10:50 AM - 10:55 AM	54.4	50.7	01:30 PM - 01:35 PM	60.5	56.7
08:15 AM - 08:20 AM	53.2	51.0	10:55 AM - 11:00 AM	54.7	51.6	01:35 PM - 01:40 PM	58.0	55.4
08:20 AM - 08:25 AM	54.5	52.0	11:00 AM - 11:05 AM	53.9	51.4	01:40 PM - 01:45 PM	57.4	54.6
08:25 AM - 08:30 AM	54.0	51.9	11:05 AM - 11:10 AM	53.9	51.4	01:45 PM - 01:50 PM	57.5	54.3
08:30 AM - 08:35 AM	53.5	51.2	11:10 AM - 11:15 AM	53.3	50.1	01:50 PM - 01:55 PM	58.4	56.2
08:35 AM - 08:40 AM	53.9	51.7	11:15 AM - 11:20 AM	53.9	51.4	01:55 PM - 02:00 PM	57.3	54.7

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756852-1

Page 1 of 3

Sample Number 2388814-2
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร (GPS 47P 0735038, 1405843)
Measurement Date Aug 17 - Aug 18, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 17, 2023	Leq	L90	Aug 17, 2023	Leq	L90	Aug 17, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	57.2	53.8	04:40 PM - 04:45 PM	60.1	58.2	07:20 PM - 07:25 PM	55.5	53.4
02:05 PM - 02:10 PM	57.9	54.2	04:45 PM - 04:50 PM	59.7	57.6	07:25 PM - 07:30 PM	55.6	54.2
02:10 PM - 02:15 PM	56.6	53.6	04:50 PM - 04:55 PM	64.1	58.3	07:30 PM - 07:35 PM	56.0	53.3
02:15 PM - 02:20 PM	57.8	54.7	04:55 PM - 05:00 PM	58.0	55.1	07:35 PM - 07:40 PM	55.8	52.7
02:20 PM - 02:25 PM	57.6	55.2	05:00 PM - 05:05 PM	58.1	54.9	07:40 PM - 07:45 PM	54.9	51.6
02:25 PM - 02:30 PM	57.7	55.8	05:05 PM - 05:10 PM	56.4	53.6	07:45 PM - 07:50 PM	55.8	54.4
02:30 PM - 02:35 PM	57.1	53.9	05:10 PM - 05:15 PM	59.7	56.9	07:50 PM - 07:55 PM	55.5	52.8
02:35 PM - 02:40 PM	58.8	56.1	05:15 PM - 05:20 PM	58.8	56.2	07:55 PM - 08:00 PM	56.4	53.2
02:40 PM - 02:45 PM	58.3	56.2	05:20 PM - 05:25 PM	56.8	54.6	08:00 PM - 08:05 PM	55.4	53.4
02:45 PM - 02:50 PM	58.0	55.1	05:25 PM - 05:30 PM	57.8	55.0	08:05 PM - 08:10 PM	57.0	54.8
02:50 PM - 02:55 PM	59.1	57.2	05:30 PM - 05:35 PM	55.6	53.7	08:10 PM - 08:15 PM	62.6	56.2
02:55 PM - 03:00 PM	59.3	56.8	05:35 PM - 05:40 PM	57.8	55.3	08:15 PM - 08:20 PM	61.4	54.5
03:00 PM - 03:05 PM	58.2	56.2	05:40 PM - 05:45 PM	55.9	53.2	08:20 PM - 08:25 PM	55.5	53.6
03:05 PM - 03:10 PM	57.9	54.4	05:45 PM - 05:50 PM	54.6	52.7	08:25 PM - 08:30 PM	56.7	53.5
03:10 PM - 03:15 PM	56.2	53.7	05:50 PM - 05:55 PM	55.6	53.6	08:30 PM - 08:35 PM	54.4	52.4
03:15 PM - 03:20 PM	57.7	55.5	05:55 PM - 06:00 PM	56.1	53.9	08:35 PM - 08:40 PM	54.2	52.5
03:20 PM - 03:25 PM	58.1	56.3	06:00 PM - 06:05 PM	56.4	54.3	08:40 PM - 08:45 PM	53.1	50.9
03:25 PM - 03:30 PM	57.2	55.1	06:05 PM - 06:10 PM	57.5	54.1	08:45 PM - 08:50 PM	53.1	50.8
03:30 PM - 03:35 PM	57.8	55.9	06:10 PM - 06:15 PM	55.5	52.8	08:50 PM - 08:55 PM	61.6	50.9
03:35 PM - 03:40 PM	57.2	55.2	06:15 PM - 06:20 PM	57.2	54.5	08:55 PM - 09:00 PM	52.3	50.7
03:40 PM - 03:45 PM	56.6	54.4	06:20 PM - 06:25 PM	56.6	53.7	09:00 PM - 09:05 PM	54.4	50.4
03:45 PM - 03:50 PM	56.5	54.8	06:25 PM - 06:30 PM	55.5	53.3	09:05 PM - 09:10 PM	52.7	50.3
03:50 PM - 03:55 PM	58.6	53.4	06:30 PM - 06:35 PM	56.6	54.3	09:10 PM - 09:15 PM	53.0	50.9
03:55 PM - 04:00 PM	58.2	54.1	06:35 PM - 06:40 PM	57.2	53.8	09:15 PM - 09:20 PM	51.7	49.6
04:00 PM - 04:05 PM	60.1	57.9	06:40 PM - 06:45 PM	61.5	59.2	09:20 PM - 09:25 PM	51.5	49.9
04:05 PM - 04:10 PM	59.8	58.0	06:45 PM - 06:50 PM	59.2	57.9	09:25 PM - 09:30 PM	52.0	50.5
04:10 PM - 04:15 PM	58.5	56.4	06:50 PM - 06:55 PM	56.3	54.5	09:30 PM - 09:35 PM	52.9	51.0
04:15 PM - 04:20 PM	58.1	56.2	06:55 PM - 07:00 PM	55.8	53.7	09:35 PM - 09:40 PM	51.8	50.6
04:20 PM - 04:25 PM	58.4	56.3	07:00 PM - 07:05 PM	54.9	53.1	09:40 PM - 09:45 PM	53.0	50.7
04:25 PM - 04:30 PM	59.7	57.2	07:05 PM - 07:10 PM	56.3	53.0	09:45 PM - 09:50 PM	53.8	50.8
04:30 PM - 04:35 PM	59.2	56.5	07:10 PM - 07:15 PM	55.6	53.8	09:50 PM - 09:55 PM	52.8	50.4
04:35 PM - 04:40 PM	59.5	57.8	07:15 PM - 07:20 PM	55.2	53.3	09:55 PM - 10:00 PM	52.2	49.7

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756852-1

Page 2 of 3

Sample Number 2388814-2
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร (GPS 47P 0735038, 1405843)
Measurement Date Aug 17 - Aug 18, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 17 - Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	52.1	49.7	12:40 AM - 12:45 AM	50.8	48.2	03:20 AM - 03:25 AM	50.1	48.9
10:05 PM - 10:10 PM	54.7	50.5	12:45 AM - 12:50 AM	50.2	48.8	03:25 AM - 03:30 AM	49.3	48.7
10:10 PM - 10:15 PM	52.5	50.3	12:50 AM - 12:55 AM	49.0	48.3	03:30 AM - 03:35 AM	49.4	48.6
10:15 PM - 10:20 PM	52.2	50.0	12:55 AM - 01:00 AM	48.6	48.1	03:35 AM - 03:40 AM	49.5	48.4
10:20 PM - 10:25 PM	53.6	50.1	01:00 AM - 01:05 AM	49.2	48.2	03:40 AM - 03:45 AM	49.6	48.7
10:25 PM - 10:30 PM	52.5	49.9	01:05 AM - 01:10 AM	49.9	48.3	03:45 AM - 03:50 AM	49.6	48.8
10:30 PM - 10:35 PM	51.6	50.1	01:10 AM - 01:15 AM	49.7	48.6	03:50 AM - 03:55 AM	49.1	48.2
10:35 PM - 10:40 PM	52.1	50.2	01:15 AM - 01:20 AM	50.7	48.7	03:55 AM - 04:00 AM	49.1	48.5
10:40 PM - 10:45 PM	57.7	49.8	01:20 AM - 01:25 AM	50.0	48.5	04:00 AM - 04:05 AM	49.4	48.3
10:45 PM - 10:50 PM	51.3	49.4	01:25 AM - 01:30 AM	49.2	48.4	04:05 AM - 04:10 AM	49.7	49.0
10:50 PM - 10:55 PM	51.3	49.4	01:30 AM - 01:35 AM	51.4	48.8	04:10 AM - 04:15 AM	50.1	48.7
10:55 PM - 11:00 PM	53.6	50.4	01:35 AM - 01:40 AM	49.2	48.3	04:15 AM - 04:20 AM	49.5	48.4
11:00 PM - 11:05 PM	52.9	50.5	01:40 AM - 01:45 AM	49.8	48.5	04:20 AM - 04:25 AM	49.5	48.3
11:05 PM - 11:10 PM	52.9	50.3	01:45 AM - 01:50 AM	49.4	48.2	04:25 AM - 04:30 AM	49.4	48.4
11:10 PM - 11:15 PM	51.1	49.5	01:50 AM - 01:55 AM	49.0	48.4	04:30 AM - 04:35 AM	49.7	48.6
11:15 PM - 11:20 PM	51.7	49.3	01:55 AM - 02:00 AM	49.2	48.3	04:35 AM - 04:40 AM	49.4	48.4
11:20 PM - 11:25 PM	52.4	49.8	02:00 AM - 02:05 AM	49.3	48.4	04:40 AM - 04:45 AM	50.3	48.3
11:25 PM - 11:30 PM	52.3	49.6	02:05 AM - 02:10 AM	49.6	48.7	04:45 AM - 04:50 AM	49.2	48.0
11:30 PM - 11:35 PM	51.1	49.1	02:10 AM - 02:15 AM	50.0	48.8	04:50 AM - 04:55 AM	49.5	47.9
11:35 PM - 11:40 PM	52.0	48.5	02:15 AM - 02:20 AM	49.5	48.6	04:55 AM - 05:00 AM	49.3	47.9
11:40 PM - 11:45 PM	53.8	49.1	02:20 AM - 02:25 AM	50.0	48.6	05:00 AM - 05:05 AM	48.6	47.6
11:45 PM - 11:50 PM	51.4	48.5	02:25 AM - 02:30 AM	49.6	48.8	05:05 AM - 05:10 AM	49.2	48.0
11:50 PM - 11:55 PM	51.7	48.2	02:30 AM - 02:35 AM	49.9	48.7	05:10 AM - 05:15 AM	49.6	48.4
11:55 PM - 12:00 AM	50.0	48.7	02:35 AM - 02:40 AM	49.2	48.5	05:15 AM - 05:20 AM	49.6	48.5
12:00 AM - 12:05 AM	49.5	48.2	02:40 AM - 02:45 AM	49.9	48.8	05:20 AM - 05:25 AM	49.3	48.2
12:05 AM - 12:10 AM	50.2	48.4	02:45 AM - 02:50 AM	49.8	49.0	05:25 AM - 05:30 AM	50.0	48.9
12:10 AM - 12:15 AM	49.2	48.2	02:50 AM - 02:55 AM	49.6	48.8	05:30 AM - 05:35 AM	50.2	48.4
12:15 AM - 12:20 AM	49.4	48.4	02:55 AM - 03:00 AM	49.9	48.6	05:35 AM - 05:40 AM	50.4	48.8
12:20 AM - 12:25 AM	50.5	48.4	03:00 AM - 03:05 AM	50.4	48.9	05:40 AM - 05:45 AM	55.4	49.2
12:25 AM - 12:30 AM	50.8	49.1	03:05 AM - 03:10 AM	51.1	49.2	05:45 AM - 05:50 AM	58.4	57.3
12:30 AM - 12:35 AM	50.1	48.5	03:10 AM - 03:15 AM	49.3	48.6	05:50 AM - 05:55 AM	54.8	51.2
12:35 AM - 12:40 AM	49.4	48.2	03:15 AM - 03:20 AM	49.5	48.8	05:55 AM - 06:00 AM	52.5	50.3

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756852-1

Page 3 of 3

Sample Number 2388814-2
Parameter Noise Level (Leq 5 min)
Location หมู่บ้านวัดไทรทอง (GPS 47P 0735038, 1405843)
Measurement Date Aug 17 - Aug 18, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 AM - 06:05 AM	51.7	50.2	08:40 AM - 08:45 AM	54.1	50.8	11:20 AM - 11:25 AM	52.0	48.7
06:05 AM - 06:10 AM	53.9	50.4	08:45 AM - 08:50 AM	50.8	47.7	11:25 AM - 11:30 AM	62.1	50.4
06:10 AM - 06:15 AM	52.5	50.6	08:50 AM - 08:55 AM	51.0	48.9	11:30 AM - 11:35 AM	52.8	48.7
06:15 AM - 06:20 AM	52.3	51.1	08:55 AM - 09:00 AM	51.8	50.1	11:35 AM - 11:40 AM	51.0	48.0
06:20 AM - 06:25 AM	53.3	51.8	09:00 AM - 09:05 AM	51.3	48.4	11:40 AM - 11:45 AM	51.5	49.1
06:25 AM - 06:30 AM	53.1	51.6	09:05 AM - 09:10 AM	50.2	47.6	11:45 AM - 11:50 AM	52.6	49.1
06:30 AM - 06:35 AM	53.7	52.4	09:10 AM - 09:15 AM	51.3	47.8	11:50 AM - 11:55 AM	52.5	49.3
06:35 AM - 06:40 AM	53.8	52.3	09:15 AM - 09:20 AM	52.5	49.3	11:55 AM - 12:00 PM	52.3	48.8
06:40 AM - 06:45 AM	54.0	52.4	09:20 AM - 09:25 AM	53.5	48.4	12:00 PM - 12:05 PM	52.5	49.9
06:45 AM - 06:50 AM	54.2	52.9	09:25 AM - 09:30 AM	52.1	48.4	12:05 PM - 12:10 PM	59.8	51.7
06:50 AM - 06:55 AM	54.2	52.5	09:30 AM - 09:35 AM	50.2	48.0	12:10 PM - 12:15 PM	53.2	49.8
06:55 AM - 07:00 AM	54.5	52.1	09:35 AM - 09:40 AM	50.1	47.3	12:15 PM - 12:20 PM	53.1	49.2
07:00 AM - 07:05 AM	53.5	51.6	09:40 AM - 09:45 AM	50.8	47.7	12:20 PM - 12:25 PM	50.8	47.4
07:05 AM - 07:10 AM	55.0	52.5	09:45 AM - 09:50 AM	49.1	47.5	12:25 PM - 12:30 PM	50.7	47.4
07:10 AM - 07:15 AM	54.9	51.7	09:50 AM - 09:55 AM	49.9	47.6	12:30 PM - 12:35 PM	54.3	49.6
07:15 AM - 07:20 AM	53.8	51.7	09:55 AM - 10:00 AM	51.0	48.9	12:35 PM - 12:40 PM	54.7	49.7
07:20 AM - 07:25 AM	55.1	52.7	10:00 AM - 10:05 AM	51.8	49.1	12:40 PM - 12:45 PM	51.6	47.6
07:25 AM - 07:30 AM	54.8	52.8	10:05 AM - 10:10 AM	51.9	49.0	12:45 PM - 12:50 PM	55.5	48.4
07:30 AM - 07:35 AM	56.3	52.3	10:10 AM - 10:15 AM	51.6	47.6	12:50 PM - 12:55 PM	53.4	49.3
07:35 AM - 07:40 AM	54.9	52.5	10:15 AM - 10:20 AM	51.1	49.2	12:55 PM - 01:00 PM	52.5	48.9
07:40 AM - 07:45 AM	53.3	51.5	10:20 AM - 10:25 AM	51.0	47.8	01:00 PM - 01:05 PM	51.7	48.6
07:45 AM - 07:50 AM	53.7	51.5	10:25 AM - 10:30 AM	51.5	49.4	01:05 PM - 01:10 PM	53.6	49.1
07:50 AM - 07:55 AM	54.4	51.9	10:30 AM - 10:35 AM	50.9	48.3	01:10 PM - 01:15 PM	50.6	48.0
07:55 AM - 08:00 AM	54.0	50.3	10:35 AM - 10:40 AM	50.9	48.5	01:15 PM - 01:20 PM	50.5	48.5
08:00 AM - 08:05 AM	51.9	49.5	10:40 AM - 10:45 AM	51.8	49.0	01:20 PM - 01:25 PM	50.2	47.8
08:05 AM - 08:10 AM	52.3	50.4	10:45 AM - 10:50 AM	50.4	48.4	01:25 PM - 01:30 PM	50.6	47.1
08:10 AM - 08:15 AM	52.2	50.0	10:50 AM - 10:55 AM	53.5	49.9	01:30 PM - 01:35 PM	53.1	48.0
08:15 AM - 08:20 AM	52.3	49.6	10:55 AM - 11:00 AM	52.1	49.0	01:35 PM - 01:40 PM	51.6	47.3
08:20 AM - 08:25 AM	52.4	48.4	11:00 AM - 11:05 AM	50.7	48.8	01:40 PM - 01:45 PM	50.0	47.4
08:25 AM - 08:30 AM	51.9	49.2	11:05 AM - 11:10 AM	50.7	47.9	01:45 PM - 01:50 PM	49.3	47.0
08:30 AM - 08:35 AM	52.1	49.3	11:10 AM - 11:15 AM	52.0	49.0	01:50 PM - 01:55 PM	49.2	46.9
08:35 AM - 08:40 AM	53.8	50.7	11:15 AM - 11:20 AM	51.3	48.3	01:55 PM - 02:00 PM	54.0	49.6

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756853-1

Page 1 of 3

Sample Number 2388814-3
Parameter Noise Level (Leq 5 min)
Location หมู่บ้านวัดไทรทอง (GPS 47P 0735038, 1405843)
Measurement Date Aug 18 - Aug 19, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	52.4	48.8	04:40 PM - 04:45 PM	57.7	53.5	07:20 PM - 07:25 PM	54.8	52.4
02:05 PM - 02:10 PM	50.4	46.9	04:45 PM - 04:50 PM	58.6	55.1	07:25 PM - 07:30 PM	54.2	52.9
02:10 PM - 02:15 PM	51.1	48.1	04:50 PM - 04:55 PM	57.6	55.2	07:30 PM - 07:35 PM	54.9	51.8
02:15 PM - 02:20 PM	54.2	49.2	04:55 PM - 05:00 PM	56.4	52.6	07:35 PM - 07:40 PM	54.4	51.4
02:20 PM - 02:25 PM	52.3	49.0	05:00 PM - 05:05 PM	57.8	54.4	07:40 PM - 07:45 PM	55.1	52.1
02:25 PM - 02:30 PM	52.7	48.7	05:05 PM - 05:10 PM	58.2	56.3	07:45 PM - 07:50 PM	58.5	54.0
02:30 PM - 02:35 PM	49.6	46.4	05:10 PM - 05:15 PM	58.3	54.9	07:50 PM - 07:55 PM	58.5	53.3
02:35 PM - 02:40 PM	52.6	48.8	05:15 PM - 05:20 PM	58.5	56.2	07:55 PM - 08:00 PM	56.5	52.1
02:40 PM - 02:45 PM	50.7	47.6	05:20 PM - 05:25 PM	57.6	55.1	08:00 PM - 08:05 PM	55.2	53.0
02:45 PM - 02:50 PM	52.3	48.8	05:25 PM - 05:30 PM	57.1	54.6	08:05 PM - 08:10 PM	55.5	53.7
02:50 PM - 02:55 PM	50.2	48.0	05:30 PM - 05:35 PM	56.1	53.9	08:10 PM - 08:15 PM	56.2	54.1
02:55 PM - 03:00 PM	52.1	48.2	05:35 PM - 05:40 PM	56.2	53.0	08:15 PM - 08:20 PM	56.2	53.5
03:00 PM - 03:05 PM	52.5	49.3	05:40 PM - 05:45 PM	56.3	52.6	08:20 PM - 08:25 PM	55.8	52.7
03:05 PM - 03:10 PM	51.1	48.2	05:45 PM - 05:50 PM	56.6	53.7	08:25 PM - 08:30 PM	54.3	51.4
03:10 PM - 03:15 PM	52.9	50.0	05:50 PM - 05:55 PM	56.4	52.1	08:30 PM - 08:35 PM	52.5	50.5
03:15 PM - 03:20 PM	54.1	48.8	05:55 PM - 06:00 PM	56.2	52.3	08:35 PM - 08:40 PM	51.4	49.7
03:20 PM - 03:25 PM	54.0	49.4	06:00 PM - 06:05 PM	56.3	53.9	08:40 PM - 08:45 PM	53.6	50.3
03:25 PM - 03:30 PM	54.1	49.1	06:05 PM - 06:10 PM	56.3	52.2	08:45 PM - 08:50 PM	53.9	51.0
03:30 PM - 03:35 PM	52.2	48.1	06:10 PM - 06:15 PM	54.6	52.6	08:50 PM - 08:55 PM	54.1	50.1
03:35 PM - 03:40 PM	51.6	48.9	06:15 PM - 06:20 PM	57.5	53.8	08:55 PM - 09:00 PM	53.8	50.2
03:40 PM - 03:45 PM	53.4	48.7	06:20 PM - 06:25 PM	59.8	54.4	09:00 PM - 09:05 PM	53.3	50.4
03:45 PM - 03:50 PM	52.6	48.0	06:25 PM - 06:30 PM	55.2	53.1	09:05 PM - 09:10 PM	53.4	50.0
03:50 PM - 03:55 PM	54.3	50.2	06:30 PM - 06:35 PM	56.2	53.2	09:10 PM - 09:15 PM	51.8	49.0
03:55 PM - 04:00 PM	54.0	50.6	06:35 PM - 06:40 PM	56.7	54.6	09:15 PM - 09:20 PM	50.6	48.1
04:00 PM - 04:05 PM	55.9	51.1	06:40 PM - 06:45 PM	57.6	54.2	09:20 PM - 09:25 PM	52.9	49.3
04:05 PM - 04:10 PM	58.0	54.2	06:45 PM - 06:50 PM	60.4	59.3	09:25 PM - 09:30 PM	52.4	49.1
04:10 PM - 04:15 PM	55.8	51.8	06:50 PM - 06:55 PM	55.7	51.4	09:30 PM - 09:35 PM	52.6	48.9
04:15 PM - 04:20 PM	56.3	53.4	06:55 PM - 07:00 PM	53.8	51.8	09:35 PM - 09:40 PM	53.0	49.9
04:20 PM - 04:25 PM	58.3	54.8	07:00 PM - 07:05 PM	55.0	52.7	09:40 PM - 09:45 PM	50.4	48.1
04:25 PM - 04:30 PM	57.4	53.7	07:05 PM - 07:10 PM	55.0	52.1	09:45 PM - 09:50 PM	49.7	47.6
04:30 PM - 04:35 PM	57.3	53.5	07:10 PM - 07:15 PM	56.9	53.6	09:50 PM - 09:55 PM	51.2	48.0
04:35 PM - 04:40 PM	59.0	55.3	07:15 PM - 07:20 PM	55.0	52.9	09:55 PM - 10:00 PM	50.4	46.8

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756853-1

Page 2 of 3

Sample Number 2388814-3
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโสน (GPS 47P 0735038, 1405843)
Measurement Date Aug 18 - Aug 19, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 18 - Aug 19, 2023			Aug 19, 2023			Aug 19, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	50.7	47.5	12:40 AM - 12:45 AM	46.8	45.0	03:20 AM - 03:25 AM	45.5	44.5
10:05 PM - 10:10 PM	50.9	47.0	12:45 AM - 12:50 AM	51.9	45.7	03:25 AM - 03:30 AM	46.6	45.2
10:10 PM - 10:15 PM	50.9	47.6	12:50 AM - 12:55 AM	54.8	52.9	03:30 AM - 03:35 AM	45.5	44.8
10:15 PM - 10:20 PM	50.6	47.4	12:55 AM - 01:00 AM	55.0	53.5	03:35 AM - 03:40 AM	45.9	45.1
10:20 PM - 10:25 PM	50.6	46.9	01:00 AM - 01:05 AM	54.4	47.9	03:40 AM - 03:45 AM	46.8	45.1
10:25 PM - 10:30 PM	54.1	46.3	01:05 AM - 01:10 AM	46.9	44.8	03:45 AM - 03:50 AM	46.5	45.3
10:30 PM - 10:35 PM	54.6	47.1	01:10 AM - 01:15 AM	47.6	45.1	03:50 AM - 03:55 AM	46.2	45.3
10:35 PM - 10:40 PM	51.4	46.4	01:15 AM - 01:20 AM	51.5	44.9	03:55 AM - 04:00 AM	46.5	45.0
10:40 PM - 10:45 PM	49.4	46.1	01:20 AM - 01:25 AM	47.0	44.9	04:00 AM - 04:05 AM	46.0	44.8
10:45 PM - 10:50 PM	49.3	47.1	01:25 AM - 01:30 AM	47.6	45.5	04:05 AM - 04:10 AM	47.0	45.8
10:50 PM - 10:55 PM	48.9	46.5	01:30 AM - 01:35 AM	46.6	45.1	04:10 AM - 04:15 AM	47.4	45.9
10:55 PM - 11:00 PM	49.9	46.1	01:35 AM - 01:40 AM	48.6	45.6	04:15 AM - 04:20 AM	47.4	45.5
11:00 PM - 11:05 PM	50.1	47.4	01:40 AM - 01:45 AM	47.2	45.2	04:20 AM - 04:25 AM	47.3	45.6
11:05 PM - 11:10 PM	47.9	45.8	01:45 AM - 01:50 AM	48.0	46.1	04:25 AM - 04:30 AM	46.9	45.7
11:10 PM - 11:15 PM	49.1	46.2	01:50 AM - 01:55 AM	50.6	45.4	04:30 AM - 04:35 AM	46.8	45.3
11:15 PM - 11:20 PM	48.5	46.2	01:55 AM - 02:00 AM	47.5	45.4	04:35 AM - 04:40 AM	46.2	44.8
11:20 PM - 11:25 PM	49.3	47.5	02:00 AM - 02:05 AM	48.5	45.0	04:40 AM - 04:45 AM	48.0	45.2
11:25 PM - 11:30 PM	49.7	46.7	02:05 AM - 02:10 AM	48.0	45.4	04:45 AM - 04:50 AM	47.5	45.6
11:30 PM - 11:35 PM	50.4	47.6	02:10 AM - 02:15 AM	47.2	45.9	04:50 AM - 04:55 AM	47.1	45.7
11:35 PM - 11:40 PM	50.1	48.0	02:15 AM - 02:20 AM	47.3	46.0	04:55 AM - 05:00 AM	47.7	45.7
11:40 PM - 11:45 PM	58.5	47.0	02:20 AM - 02:25 AM	48.0	46.1	05:00 AM - 05:05 AM	47.8	46.0
11:45 PM - 11:50 PM	49.2	47.5	02:25 AM - 02:30 AM	47.6	46.0	05:05 AM - 05:10 AM	47.6	46.1
11:50 PM - 11:55 PM	48.6	46.8	02:30 AM - 02:35 AM	49.7	45.6	05:10 AM - 05:15 AM	48.6	46.0
11:55 PM - 12:00 AM	48.9	47.1	02:35 AM - 02:40 AM	47.8	46.2	05:15 AM - 05:20 AM	47.7	46.1
12:00 AM - 12:05 AM	51.2	46.7	02:40 AM - 02:45 AM	48.7	45.9	05:20 AM - 05:25 AM	48.7	46.6
12:05 AM - 12:10 AM	49.9	46.3	02:45 AM - 02:50 AM	48.5	46.3	05:25 AM - 05:30 AM	48.3	46.4
12:10 AM - 12:15 AM	49.6	47.6	02:50 AM - 02:55 AM	47.1	45.8	05:30 AM - 05:35 AM	48.8	46.8
12:15 AM - 12:20 AM	49.4	46.9	02:55 AM - 03:00 AM	47.8	45.7	05:35 AM - 05:40 AM	49.2	46.3
12:20 AM - 12:25 AM	47.3	45.2	03:00 AM - 03:05 AM	47.2	45.7	05:40 AM - 05:45 AM	56.0	47.7
12:25 AM - 12:30 AM	47.5	45.5	03:05 AM - 03:10 AM	47.7	45.9	05:45 AM - 05:50 AM	59.0	57.5
12:30 AM - 12:35 AM	47.5	45.4	03:10 AM - 03:15 AM	47.2	45.7	05:50 AM - 05:55 AM	53.6	48.2
12:35 AM - 12:40 AM	47.8	45.6	03:15 AM - 03:20 AM	46.3	45.1	05:55 AM - 06:00 AM	49.8	47.4

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756853-1

Page 3 of 3

Sample Number 2388814-3
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโสน (GPS 47P 0735038, 1405843)
Measurement Date Aug 18 - Aug 19, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 19, 2023			Aug 19, 2023			Aug 19, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	50.7	48.0	08:40 AM - 08:45 AM	51.3	48.3	11:20 AM - 11:25 AM	58.6	50.1
06:05 AM - 06:10 AM	51.0	48.6	08:45 AM - 08:50 AM	50.2	47.4	11:25 AM - 11:30 AM	49.8	47.5
06:10 AM - 06:15 AM	51.7	49.2	08:50 AM - 08:55 AM	50.4	47.8	11:30 AM - 11:35 AM	50.8	47.9
06:15 AM - 06:20 AM	53.2	49.7	08:55 AM - 09:00 AM	50.8	46.7	11:35 AM - 11:40 AM	50.4	48.4
06:20 AM - 06:25 AM	53.0	49.6	09:00 AM - 09:05 AM	50.1	47.6	11:40 AM - 11:45 AM	50.9	48.2
06:25 AM - 06:30 AM	51.8	49.0	09:05 AM - 09:10 AM	49.2	47.2	11:45 AM - 11:50 AM	50.9	48.8
06:30 AM - 06:35 AM	53.5	50.7	09:10 AM - 09:15 AM	49.7	46.6	11:50 AM - 11:55 AM	50.3	48.2
06:35 AM - 06:40 AM	53.7	51.1	09:15 AM - 09:20 AM	54.3	47.4	11:55 AM - 12:00 PM	51.5	48.1
06:40 AM - 06:45 AM	52.9	50.7	09:20 AM - 09:25 AM	51.7	47.7	12:00 PM - 12:05 PM	51.4	48.5
06:45 AM - 06:50 AM	54.0	50.6	09:25 AM - 09:30 AM	50.4	47.1	12:05 PM - 12:10 PM	53.6	48.8
06:50 AM - 06:55 AM	53.8	50.1	09:30 AM - 09:35 AM	50.4	47.6	12:10 PM - 12:15 PM	53.9	49.7
06:55 AM - 07:00 AM	56.0	51.2	09:35 AM - 09:40 AM	52.3	47.4	12:15 PM - 12:20 PM	54.0	49.4
07:00 AM - 07:05 AM	54.6	51.3	09:40 AM - 09:45 AM	50.8	47.9	12:20 PM - 12:25 PM	52.8	49.5
07:05 AM - 07:10 AM	53.2	50.7	09:45 AM - 09:50 AM	54.3	49.8	12:25 PM - 12:30 PM	57.2	48.2
07:10 AM - 07:15 AM	56.0	51.4	09:50 AM - 09:55 AM	51.3	48.5	12:30 PM - 12:35 PM	52.6	49.9
07:15 AM - 07:20 AM	54.2	51.0	09:55 AM - 10:00 AM	52.2	48.4	12:35 PM - 12:40 PM	52.9	49.2
07:20 AM - 07:25 AM	54.0	50.6	10:00 AM - 10:05 AM	49.2	47.2	12:40 PM - 12:45 PM	52.6	48.7
07:25 AM - 07:30 AM	53.6	50.0	10:05 AM - 10:10 AM	49.4	47.0	12:45 PM - 12:50 PM	51.8	48.7
07:30 AM - 07:35 AM	53.1	50.3	10:10 AM - 10:15 AM	51.7	48.0	12:50 PM - 12:55 PM	54.2	50.3
07:35 AM - 07:40 AM	53.8	50.5	10:15 AM - 10:20 AM	53.3	49.7	12:55 PM - 01:00 PM	52.0	49.1
07:40 AM - 07:45 AM	54.4	50.5	10:20 AM - 10:25 AM	50.1	47.4	01:00 PM - 01:05 PM	53.5	50.1
07:45 AM - 07:50 AM	54.5	50.9	10:25 AM - 10:30 AM	51.1	47.4	01:05 PM - 01:10 PM	53.3	49.3
07:50 AM - 07:55 AM	53.1	48.6	10:30 AM - 10:35 AM	50.0	47.7	01:10 PM - 01:15 PM	51.8	48.8
07:55 AM - 08:00 AM	53.1	48.7	10:35 AM - 10:40 AM	51.0	48.2	01:15 PM - 01:20 PM	51.7	47.8
08:00 AM - 08:05 AM	51.5	47.9	10:40 AM - 10:45 AM	50.2	47.8	01:20 PM - 01:25 PM	49.1	46.5
08:05 AM - 08:10 AM	51.2	48.3	10:45 AM - 10:50 AM	49.2	46.9	01:25 PM - 01:30 PM	51.5	46.1
08:10 AM - 08:15 AM	55.7	49.3	10:50 AM - 10:55 AM	49.8	46.5	01:30 PM - 01:35 PM	50.7	47.8
08:15 AM - 08:20 AM	52.6	47.8	10:55 AM - 11:00 AM	49.1	46.8	01:35 PM - 01:40 PM	52.1	47.5
08:20 AM - 08:25 AM	51.8	47.8	11:00 AM - 11:05 AM	51.9	47.4	01:40 PM - 01:45 PM	50.0	47.4
08:25 AM - 08:30 AM	51.0	47.1	11:05 AM - 11:10 AM	52.5	48.8	01:45 PM - 01:50 PM	50.5	47.2
08:30 AM - 08:35 AM	51.0	47.6	11:10 AM - 11:15 AM	52.8	47.8	01:50 PM - 01:55 PM	51.0	47.7
08:35 AM - 08:40 AM	52.4	48.3	11:15 AM - 11:20 AM	59.3	57.0	01:55 PM - 02:00 PM	52.3	48.3

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756854-1

Page 1 of 3

Sample Number 2388814-4
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร (GPS 47P 0735038, 1405843)
Measurement Date Aug 19 - Aug 20, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 19, 2023	Leq	L90	Aug 19, 2023	Leq	L90	Aug 19, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	53.7	48.9	04:40 PM - 04:45 PM	53.6	50.2	07:20 PM - 07:25 PM	54.6	52.6
02:05 PM - 02:10 PM	52.8	49.4	04:45 PM - 04:50 PM	52.8	50.1	07:25 PM - 07:30 PM	55.2	52.3
02:10 PM - 02:15 PM	54.1	50.4	04:50 PM - 04:55 PM	54.2	51.5	07:30 PM - 07:35 PM	54.3	50.6
02:15 PM - 02:20 PM	55.4	52.6	04:55 PM - 05:00 PM	53.3	50.1	07:35 PM - 07:40 PM	57.9	52.9
02:20 PM - 02:25 PM	51.5	47.4	05:00 PM - 05:05 PM	53.6	50.5	07:40 PM - 07:45 PM	65.8	56.9
02:25 PM - 02:30 PM	51.6	46.9	05:05 PM - 05:10 PM	55.2	52.6	07:45 PM - 07:50 PM	62.0	51.1
02:30 PM - 02:35 PM	51.0	47.0	05:10 PM - 05:15 PM	55.4	53.0	07:50 PM - 07:55 PM	60.3	49.1
02:35 PM - 02:40 PM	51.3	48.1	05:15 PM - 05:20 PM	55.9	53.0	07:55 PM - 08:00 PM	56.6	51.7
02:40 PM - 02:45 PM	50.8	47.3	05:20 PM - 05:25 PM	53.9	51.9	08:00 PM - 08:05 PM	55.6	52.8
02:45 PM - 02:50 PM	52.9	48.1	05:25 PM - 05:30 PM	53.5	50.5	08:05 PM - 08:10 PM	56.6	53.4
02:50 PM - 02:55 PM	49.9	47.3	05:30 PM - 05:35 PM	53.8	51.0	08:10 PM - 08:15 PM	56.3	53.4
02:55 PM - 03:00 PM	51.6	48.1	05:35 PM - 05:40 PM	53.3	51.3	08:15 PM - 08:20 PM	55.7	52.5
03:00 PM - 03:05 PM	51.5	48.7	05:40 PM - 05:45 PM	53.6	50.8	08:20 PM - 08:25 PM	54.4	51.7
03:05 PM - 03:10 PM	51.7	48.4	05:45 PM - 05:50 PM	53.4	51.0	08:25 PM - 08:30 PM	53.5	50.8
03:10 PM - 03:15 PM	54.2	50.5	05:50 PM - 05:55 PM	54.6	50.5	08:30 PM - 08:35 PM	55.5	51.3
03:15 PM - 03:20 PM	52.6	48.5	05:55 PM - 06:00 PM	52.5	50.3	08:35 PM - 08:40 PM	54.6	50.8
03:20 PM - 03:25 PM	51.7	47.5	06:00 PM - 06:05 PM	52.1	49.7	08:40 PM - 08:45 PM	54.6	50.0
03:25 PM - 03:30 PM	49.8	47.5	06:05 PM - 06:10 PM	53.8	50.8	08:45 PM - 08:50 PM	54.0	49.6
03:30 PM - 03:35 PM	54.1	49.6	06:10 PM - 06:15 PM	53.5	51.0	08:50 PM - 08:55 PM	53.2	49.6
03:35 PM - 03:40 PM	52.9	50.0	06:15 PM - 06:20 PM	56.0	50.5	08:55 PM - 09:00 PM	51.7	48.5
03:40 PM - 03:45 PM	52.0	49.6	06:20 PM - 06:25 PM	53.3	50.4	09:00 PM - 09:05 PM	54.9	48.8
03:45 PM - 03:50 PM	51.0	48.5	06:25 PM - 06:30 PM	53.1	50.6	09:05 PM - 09:10 PM	56.0	49.9
03:50 PM - 03:55 PM	53.0	50.5	06:30 PM - 06:35 PM	53.3	50.9	09:10 PM - 09:15 PM	58.1	51.3
03:55 PM - 04:00 PM	55.0	50.8	06:35 PM - 06:40 PM	53.4	51.0	09:15 PM - 09:20 PM	54.6	49.8
04:00 PM - 04:05 PM	56.5	53.3	06:40 PM - 06:45 PM	60.2	56.2	09:20 PM - 09:25 PM	52.1	47.6
04:05 PM - 04:10 PM	54.3	51.5	06:45 PM - 06:50 PM	59.1	54.4	09:25 PM - 09:30 PM	53.9	47.3
04:10 PM - 04:15 PM	55.2	51.4	06:50 PM - 06:55 PM	55.3	51.9	09:30 PM - 09:35 PM	54.4	49.2
04:15 PM - 04:20 PM	53.6	50.6	06:55 PM - 07:00 PM	54.2	51.0	09:35 PM - 09:40 PM	53.3	48.8
04:20 PM - 04:25 PM	53.6	51.4	07:00 PM - 07:05 PM	53.3	51.2	09:40 PM - 09:45 PM	50.5	47.5
04:25 PM - 04:30 PM	53.0	48.5	07:05 PM - 07:10 PM	54.3	52.2	09:45 PM - 09:50 PM	51.7	48.2
04:30 PM - 04:35 PM	52.8	49.8	07:10 PM - 07:15 PM	54.4	51.7	09:50 PM - 09:55 PM	51.7	48.3
04:35 PM - 04:40 PM	54.5	49.5	07:15 PM - 07:20 PM	55.5	53.0	09:55 PM - 10:00 PM	52.6	48.0

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756854-1

Page 2 of 3

Sample Number 2388814-4
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร (GPS 47P 0735038, 1405843)
Measurement Date Aug 19 - Aug 20, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 19 - Aug 20, 2023	Leq	L90	Aug 20, 2023	Leq	L90	Aug 20, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	56.3	48.1	12:40 AM - 12:45 AM	50.7	47.4	03:20 AM - 03:25 AM	46.6	44.3
10:05 PM - 10:10 PM	50.6	47.8	12:45 AM - 12:50 AM	49.7	47.1	03:25 AM - 03:30 AM	49.2	45.2
10:10 PM - 10:15 PM	52.7	48.1	12:50 AM - 12:55 AM	50.1	46.9	03:30 AM - 03:35 AM	47.9	45.4
10:15 PM - 10:20 PM	50.2	47.0	12:55 AM - 01:00 AM	49.3	46.7	03:35 AM - 03:40 AM	46.9	44.9
10:20 PM - 10:25 PM	50.8	47.4	01:00 AM - 01:05 AM	49.6	47.1	03:40 AM - 03:45 AM	46.9	45.3
10:25 PM - 10:30 PM	53.7	48.9	01:05 AM - 01:10 AM	55.7	47.6	03:45 AM - 03:50 AM	46.7	45.1
10:30 PM - 10:35 PM	55.6	48.8	01:10 AM - 01:15 AM	50.9	47.6	03:50 AM - 03:55 AM	48.4	45.6
10:35 PM - 10:40 PM	51.7	47.9	01:15 AM - 01:20 AM	49.5	47.0	03:55 AM - 04:00 AM	46.8	45.3
10:40 PM - 10:45 PM	51.9	47.9	01:20 AM - 01:25 AM	50.3	47.8	04:00 AM - 04:05 AM	47.3	45.2
10:45 PM - 10:50 PM	52.2	48.6	01:25 AM - 01:30 AM	49.1	46.0	04:05 AM - 04:10 AM	48.7	45.6
10:50 PM - 10:55 PM	52.4	49.3	01:30 AM - 01:35 AM	49.5	46.4	04:10 AM - 04:15 AM	47.5	45.5
10:55 PM - 11:00 PM	51.2	47.9	01:35 AM - 01:40 AM	49.6	46.3	04:15 AM - 04:20 AM	51.0	45.7
11:00 PM - 11:05 PM	51.4	48.1	01:40 AM - 01:45 AM	48.9	45.9	04:20 AM - 04:25 AM	47.5	45.1
11:05 PM - 11:10 PM	52.0	47.4	01:45 AM - 01:50 AM	51.1	45.8	04:25 AM - 04:30 AM	47.7	45.1
11:10 PM - 11:15 PM	52.0	48.4	01:50 AM - 01:55 AM	48.7	45.6	04:30 AM - 04:35 AM	48.9	45.4
11:15 PM - 11:20 PM	51.3	47.6	01:55 AM - 02:00 AM	51.9	46.1	04:35 AM - 04:40 AM	46.5	45.1
11:20 PM - 11:25 PM	50.8	47.7	02:00 AM - 02:05 AM	50.8	45.9	04:40 AM - 04:45 AM	46.6	45.1
11:25 PM - 11:30 PM	51.0	48.2	02:05 AM - 02:10 AM	51.5	46.0	04:45 AM - 04:50 AM	49.9	45.2
11:30 PM - 11:35 PM	51.8	48.3	02:10 AM - 02:15 AM	50.5	45.5	04:50 AM - 04:55 AM	47.8	45.3
11:35 PM - 11:40 PM	51.8	48.3	02:15 AM - 02:20 AM	48.3	45.6	04:55 AM - 05:00 AM	47.4	45.0
11:40 PM - 11:45 PM	51.0	48.4	02:20 AM - 02:25 AM	49.9	45.9	05:00 AM - 05:05 AM	46.7	45.1
11:45 PM - 11:50 PM	51.2	48.8	02:25 AM - 02:30 AM	49.6	45.9	05:05 AM - 05:10 AM	48.5	45.8
11:50 PM - 11:55 PM	52.5	47.8	02:30 AM - 02:35 AM	49.8	45.3	05:10 AM - 05:15 AM	47.1	45.0
11:55 PM - 12:00 AM	50.4	47.5	02:35 AM - 02:40 AM	49.4	46.4	05:15 AM - 05:20 AM	48.2	45.6
12:00 AM - 12:05 AM	49.9	47.0	02:40 AM - 02:45 AM	48.4	45.9	05:20 AM - 05:25 AM	47.0	44.8
12:05 AM - 12:10 AM	51.3	48.6	02:45 AM - 02:50 AM	47.2	45.6	05:25 AM - 05:30 AM	47.1	45.1
12:10 AM - 12:15 AM	52.3	48.8	02:50 AM - 02:55 AM	47.9	45.5	05:30 AM - 05:35 AM	47.7	45.4
12:15 AM - 12:20 AM	52.5	48.7	02:55 AM - 03:00 AM	46.9	45.0	05:35 AM - 05:40 AM	48.3	44.7
12:20 AM - 12:25 AM	52.8	49.0	03:00 AM - 03:05 AM	49.0	45.9	05:40 AM - 05:45 AM	47.6	45.6
12:25 AM - 12:30 AM	52.5	48.1	03:05 AM - 03:10 AM	47.9	44.9	05:45 AM - 05:50 AM	53.5	44.8
12:30 AM - 12:35 AM	50.4	47.5	03:10 AM - 03:15 AM	46.1	44.3	05:50 AM - 05:55 AM	60.7	59.0
12:35 AM - 12:40 AM	52.2	48.4	03:15 AM - 03:20 AM	46.6	44.3	05:55 AM - 06:00 AM	58.0	48.6

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756854-1

Page 3 of 3

Sample Number 2388814-4
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโคก (GPS 47P 0735038, 1405843)
Measurement Date Aug 19 - Aug 20, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 20, 2023			Aug 20, 2023			Aug 20, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	48.2	45.8	08:40 AM - 08:45 AM	53.7	48.8	11:20 AM - 11:25 AM	52.2	48.4
06:05 AM - 06:10 AM	50.2	46.8	08:45 AM - 08:50 AM	53.8	47.8	11:25 AM - 11:30 AM	51.1	48.6
06:10 AM - 06:15 AM	49.9	47.5	08:50 AM - 08:55 AM	55.9	48.1	11:30 AM - 11:35 AM	51.9	48.3
06:15 AM - 06:20 AM	50.0	47.2	08:55 AM - 09:00 AM	55.4	48.3	11:35 AM - 11:40 AM	51.2	47.7
06:20 AM - 06:25 AM	51.0	48.1	09:00 AM - 09:05 AM	55.1	48.2	11:40 AM - 11:45 AM	51.3	49.2
06:25 AM - 06:30 AM	50.4	47.9	09:05 AM - 09:10 AM	51.1	48.3	11:45 AM - 11:50 AM	52.5	49.4
06:30 AM - 06:35 AM	50.4	47.6	09:10 AM - 09:15 AM	50.9	48.3	11:50 AM - 11:55 AM	52.1	49.9
06:35 AM - 06:40 AM	51.7	48.7	09:15 AM - 09:20 AM	51.1	48.3	11:55 AM - 12:00 PM	51.2	49.2
06:40 AM - 06:45 AM	50.5	47.4	09:20 AM - 09:25 AM	50.5	47.7	12:00 PM - 12:05 PM	51.2	49.1
06:45 AM - 06:50 AM	50.6	47.3	09:25 AM - 09:30 AM	50.6	47.2	12:05 PM - 12:10 PM	51.5	48.7
06:50 AM - 06:55 AM	50.9	48.0	09:30 AM - 09:35 AM	62.3	52.4	12:10 PM - 12:15 PM	51.7	49.5
06:55 AM - 07:00 AM	51.8	47.6	09:35 AM - 09:40 AM	64.4	62.3	12:15 PM - 12:20 PM	51.2	48.5
07:00 AM - 07:05 AM	51.8	48.5	09:40 AM - 09:45 AM	62.4	57.8	12:20 PM - 12:25 PM	51.3	49.3
07:05 AM - 07:10 AM	52.3	47.6	09:45 AM - 09:50 AM	68.8	66.4	12:25 PM - 12:30 PM	52.3	48.7
07:10 AM - 07:15 AM	53.9	48.4	09:50 AM - 09:55 AM	63.2	61.1	12:30 PM - 12:35 PM	52.2	49.6
07:15 AM - 07:20 AM	52.4	48.7	09:55 AM - 10:00 AM	60.2	55.6	12:35 PM - 12:40 PM	53.0	48.9
07:20 AM - 07:25 AM	52.5	48.2	10:00 AM - 10:05 AM	56.3	53.4	12:40 PM - 12:45 PM	52.1	50.1
07:25 AM - 07:30 AM	52.3	48.1	10:05 AM - 10:10 AM	53.5	52.2	12:45 PM - 12:50 PM	51.2	47.9
07:30 AM - 07:35 AM	53.3	48.4	10:10 AM - 10:15 AM	53.5	52.2	12:50 PM - 12:55 PM	51.6	47.3
07:35 AM - 07:40 AM	52.1	47.9	10:15 AM - 10:20 AM	53.5	51.5	12:55 PM - 01:00 PM	53.3	49.1
07:40 AM - 07:45 AM	50.0	46.7	10:20 AM - 10:25 AM	54.0	50.9	01:00 PM - 01:05 PM	52.3	49.4
07:45 AM - 07:50 AM	50.9	47.5	10:25 AM - 10:30 AM	60.5	50.3	01:05 PM - 01:10 PM	51.9	49.3
07:50 AM - 07:55 AM	50.0	46.1	10:30 AM - 10:35 AM	52.7	50.2	01:10 PM - 01:15 PM	53.2	49.3
07:55 AM - 08:00 AM	53.0	48.3	10:35 AM - 10:40 AM	51.0	48.7	01:15 PM - 01:20 PM	53.9	49.9
08:00 AM - 08:05 AM	51.5	47.3	10:40 AM - 10:45 AM	51.9	49.6	01:20 PM - 01:25 PM	52.2	48.8
08:05 AM - 08:10 AM	56.3	52.3	10:45 AM - 10:50 AM	52.1	48.7	01:25 PM - 01:30 PM	52.0	48.6
08:10 AM - 08:15 AM	55.3	50.7	10:50 AM - 10:55 AM	50.9	48.1	01:30 PM - 01:35 PM	52.1	48.9
08:15 AM - 08:20 AM	55.5	48.6	10:55 AM - 11:00 AM	52.8	48.1	01:35 PM - 01:40 PM	53.0	49.4
08:20 AM - 08:25 AM	56.6	47.3	11:00 AM - 11:05 AM	51.7	48.3	01:40 PM - 01:45 PM	51.2	48.3
08:25 AM - 08:30 AM	56.0	48.5	11:05 AM - 11:10 AM	52.0	48.4	01:45 PM - 01:50 PM	52.2	48.7
08:30 AM - 08:35 AM	55.0	46.9	11:10 AM - 11:15 AM	50.8	47.3	01:50 PM - 01:55 PM	51.2	48.9
08:35 AM - 08:40 AM	53.7	47.1	11:15 AM - 11:20 AM	50.2	48.1	01:55 PM - 02:00 PM	51.2	47.5

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756855-1

Page 1 of 3

Sample Number 2388814-5
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโคก (GPS 47P 0735038, 1405843)
Measurement Date Aug 20 - Aug 21, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 20, 2023			Aug 20, 2023			Aug 20, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	50.8	48.4	04:40 PM - 04:45 PM	54.3	51.2	07:20 PM - 07:25 PM	55.9	51.8
02:05 PM - 02:10 PM	53.0	50.4	04:45 PM - 04:50 PM	53.1	50.4	07:25 PM - 07:30 PM	54.4	51.8
02:10 PM - 02:15 PM	51.2	48.9	04:50 PM - 04:55 PM	52.4	49.4	07:30 PM - 07:35 PM	59.2	51.6
02:15 PM - 02:20 PM	51.2	48.7	04:55 PM - 05:00 PM	52.0	50.1	07:35 PM - 07:40 PM	59.8	51.5
02:20 PM - 02:25 PM	50.0	47.3	05:00 PM - 05:05 PM	53.3	50.4	07:40 PM - 07:45 PM	56.5	51.5
02:25 PM - 02:30 PM	50.4	47.4	05:05 PM - 05:10 PM	53.3	50.7	07:45 PM - 07:50 PM	56.7	52.2
02:30 PM - 02:35 PM	51.3	49.2	05:10 PM - 05:15 PM	55.0	51.2	07:50 PM - 07:55 PM	56.7	50.2
02:35 PM - 02:40 PM	51.0	48.6	05:15 PM - 05:20 PM	53.8	50.5	07:55 PM - 08:00 PM	62.1	52.3
02:40 PM - 02:45 PM	52.1	49.6	05:20 PM - 05:25 PM	53.7	51.2	08:00 PM - 08:05 PM	60.6	53.5
02:45 PM - 02:50 PM	50.9	47.7	05:25 PM - 05:30 PM	52.9	50.4	08:05 PM - 08:10 PM	56.4	53.7
02:50 PM - 02:55 PM	50.3	48.2	05:30 PM - 05:35 PM	52.4	49.8	08:10 PM - 08:15 PM	56.3	53.0
02:55 PM - 03:00 PM	50.9	46.9	05:35 PM - 05:40 PM	52.8	50.1	08:15 PM - 08:20 PM	54.5	51.3
03:00 PM - 03:05 PM	50.8	48.3	05:40 PM - 05:45 PM	54.1	50.0	08:20 PM - 08:25 PM	54.0	50.5
03:05 PM - 03:10 PM	50.2	47.2	05:45 PM - 05:50 PM	51.9	49.7	08:25 PM - 08:30 PM	51.8	49.7
03:10 PM - 03:15 PM	51.2	47.0	05:50 PM - 05:55 PM	52.8	50.4	08:30 PM - 08:35 PM	52.0	49.2
03:15 PM - 03:20 PM	50.1	47.3	05:55 PM - 06:00 PM	52.9	50.4	08:35 PM - 08:40 PM	52.4	49.5
03:20 PM - 03:25 PM	49.9	47.8	06:00 PM - 06:05 PM	53.6	50.8	08:40 PM - 08:45 PM	52.6	50.3
03:25 PM - 03:30 PM	50.6	47.8	06:05 PM - 06:10 PM	52.5	50.5	08:45 PM - 08:50 PM	52.5	49.1
03:30 PM - 03:35 PM	51.7	48.0	06:10 PM - 06:15 PM	53.0	50.5	08:50 PM - 08:55 PM	53.0	48.8
03:35 PM - 03:40 PM	52.3	48.4	06:15 PM - 06:20 PM	53.8	51.3	08:55 PM - 09:00 PM	55.9	50.2
03:40 PM - 03:45 PM	50.4	48.2	06:20 PM - 06:25 PM	56.1	50.9	09:00 PM - 09:05 PM	51.3	48.1
03:45 PM - 03:50 PM	50.0	47.4	06:25 PM - 06:30 PM	53.4	51.2	09:05 PM - 09:10 PM	54.8	48.2
03:50 PM - 03:55 PM	49.8	47.5	06:30 PM - 06:35 PM	56.4	51.4	09:10 PM - 09:15 PM	52.2	46.9
03:55 PM - 04:00 PM	50.2	47.9	06:35 PM - 06:40 PM	60.4	56.9	09:15 PM - 09:20 PM	49.9	47.0
04:00 PM - 04:05 PM	51.3	48.9	06:40 PM - 06:45 PM	58.2	56.5	09:20 PM - 09:25 PM	50.4	47.5
04:05 PM - 04:10 PM	51.0	48.9	06:45 PM - 06:50 PM	55.9	51.6	09:25 PM - 09:30 PM	51.0	48.2
04:10 PM - 04:15 PM	52.3	49.8	06:50 PM - 06:55 PM	54.8	51.8	09:30 PM - 09:35 PM	51.6	47.4
04:15 PM - 04:20 PM	54.7	50.4	06:55 PM - 07:00 PM	53.9	51.4	09:35 PM - 09:40 PM	51.7	47.8
04:20 PM - 04:25 PM	53.0	50.1	07:00 PM - 07:05 PM	56.2	51.6	09:40 PM - 09:45 PM	60.4	47.7
04:25 PM - 04:30 PM	52.6	50.0	07:05 PM - 07:10 PM	55.2	52.6	09:45 PM - 09:50 PM	51.3	47.2
04:30 PM - 04:35 PM	53.1	50.1	07:10 PM - 07:15 PM	54.4	51.8	09:50 PM - 09:55 PM	51.8	48.2
04:35 PM - 04:40 PM	52.8	50.2	07:15 PM - 07:20 PM	59.8	51.4	09:55 PM - 10:00 PM	52.4	47.9

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756855-1

Page 2 of 3

Sample Number 2388814-5
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโสน (GPS 47P 0735038, 1405843)
Measurement Date Aug 20 - Aug 21, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 20 - Aug 21, 2023			Aug 21, 2023			Aug 21, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	50.6	47.0	12:40 AM - 12:45 AM	55.5	53.3	03:20 AM - 03:25 AM	45.1	42.4
10:05 PM - 10:10 PM	52.4	48.4	12:45 AM - 12:50 AM	52.4	45.8	03:25 AM - 03:30 AM	45.4	42.2
10:10 PM - 10:15 PM	51.6	48.0	12:50 AM - 12:55 AM	48.4	45.5	03:30 AM - 03:35 AM	47.0	43.7
10:15 PM - 10:20 PM	51.1	47.2	12:55 AM - 01:00 AM	47.3	45.0	03:35 AM - 03:40 AM	46.0	44.3
10:20 PM - 10:25 PM	52.9	47.9	01:00 AM - 01:05 AM	47.3	45.1	03:40 AM - 03:45 AM	46.0	44.3
10:25 PM - 10:30 PM	52.9	48.1	01:05 AM - 01:10 AM	50.4	45.8	03:45 AM - 03:50 AM	48.5	44.5
10:30 PM - 10:35 PM	52.2	48.1	01:10 AM - 01:15 AM	50.0	46.5	03:50 AM - 03:55 AM	54.5	52.4
10:35 PM - 10:40 PM	51.4	47.4	01:15 AM - 01:20 AM	47.3	45.9	03:55 AM - 04:00 AM	57.3	56.5
10:40 PM - 10:45 PM	49.1	46.0	01:20 AM - 01:25 AM	47.0	45.3	04:00 AM - 04:05 AM	58.5	58.0
10:45 PM - 10:50 PM	49.5	46.4	01:25 AM - 01:30 AM	48.0	45.6	04:05 AM - 04:10 AM	58.4	57.8
10:50 PM - 10:55 PM	51.0	47.0	01:30 AM - 01:35 AM	50.6	45.8	04:10 AM - 04:15 AM	58.3	57.7
10:55 PM - 11:00 PM	49.7	46.9	01:35 AM - 01:40 AM	47.9	45.3	04:15 AM - 04:20 AM	56.8	54.5
11:00 PM - 11:05 PM	49.4	46.3	01:40 AM - 01:45 AM	49.3	46.8	04:20 AM - 04:25 AM	53.7	53.0
11:05 PM - 11:10 PM	50.0	45.9	01:45 AM - 01:50 AM	50.3	46.2	04:25 AM - 04:30 AM	53.5	52.6
11:10 PM - 11:15 PM	50.4	45.5	01:50 AM - 01:55 AM	48.1	46.4	04:30 AM - 04:35 AM	51.6	50.5
11:15 PM - 11:20 PM	49.7	46.0	01:55 AM - 02:00 AM	48.7	46.5	04:35 AM - 04:40 AM	50.1	48.4
11:20 PM - 11:25 PM	51.8	46.0	02:00 AM - 02:05 AM	49.8	47.4	04:40 AM - 04:45 AM	48.1	46.5
11:25 PM - 11:30 PM	49.9	45.7	02:05 AM - 02:10 AM	51.4	47.2	04:45 AM - 04:50 AM	48.5	46.4
11:30 PM - 11:35 PM	49.8	46.8	02:10 AM - 02:15 AM	47.7	45.3	04:50 AM - 04:55 AM	48.6	46.1
11:35 PM - 11:40 PM	50.4	47.9	02:15 AM - 02:20 AM	48.7	46.4	04:55 AM - 05:00 AM	52.1	50.1
11:40 PM - 11:45 PM	49.2	46.3	02:20 AM - 02:25 AM	49.5	47.2	05:00 AM - 05:05 AM	53.4	52.5
11:45 PM - 11:50 PM	52.6	47.0	02:25 AM - 02:30 AM	49.0	48.0	05:05 AM - 05:10 AM	51.8	50.7
11:50 PM - 11:55 PM	48.3	45.6	02:30 AM - 02:35 AM	50.5	48.9	05:10 AM - 05:15 AM	50.5	49.4
11:55 PM - 12:00 AM	48.5	45.7	02:35 AM - 02:40 AM	49.7	47.9	05:15 AM - 05:20 AM	49.2	47.8
12:00 AM - 12:05 AM	49.9	46.7	02:40 AM - 02:45 AM	49.9	48.4	05:20 AM - 05:25 AM	49.2	47.3
12:05 AM - 12:10 AM	50.1	47.1	02:45 AM - 02:50 AM	49.0	46.1	05:25 AM - 05:30 AM	50.3	48.5
12:10 AM - 12:15 AM	48.9	46.1	02:50 AM - 02:55 AM	46.9	44.4	05:30 AM - 05:35 AM	53.4	51.4
12:15 AM - 12:20 AM	48.8	45.7	02:55 AM - 03:00 AM	46.0	43.9	05:35 AM - 05:40 AM	57.8	56.9
12:20 AM - 12:25 AM	47.7	45.0	03:00 AM - 03:05 AM	47.2	44.5	05:40 AM - 05:45 AM	56.5	55.5
12:25 AM - 12:30 AM	53.2	46.0	03:05 AM - 03:10 AM	45.4	44.1	05:45 AM - 05:50 AM	54.7	53.8
12:30 AM - 12:35 AM	50.4	47.0	03:10 AM - 03:15 AM	47.2	43.9	05:50 AM - 05:55 AM	57.1	53.3
12:35 AM - 12:40 AM	56.1	54.1	03:15 AM - 03:20 AM	45.5	43.2	05:55 AM - 06:00 AM	59.6	59.2

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756855-1

Page 3 of 3

Sample Number 2388814-5
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโสน (GPS 47P 0735038, 1405843)
Measurement Date Aug 20 - Aug 21, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 21, 2023			Aug 21, 2023			Aug 21, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	56.8	55.5	08:40 AM - 08:45 AM	62.5	61.4	11:20 AM - 11:25 AM	51.4	48.0
06:05 AM - 06:10 AM	56.4	55.8	08:45 AM - 08:50 AM	60.9	59.7	11:25 AM - 11:30 AM	50.8	48.3
06:10 AM - 06:15 AM	57.6	57.0	08:50 AM - 08:55 AM	58.9	57.4	11:30 AM - 11:35 AM	50.4	48.0
06:15 AM - 06:20 AM	57.6	57.1	08:55 AM - 09:00 AM	57.8	56.6	11:35 AM - 11:40 AM	50.6	47.6
06:20 AM - 06:25 AM	59.6	58.4	09:00 AM - 09:05 AM	56.7	55.7	11:40 AM - 11:45 AM	52.1	48.0
06:25 AM - 06:30 AM	60.3	59.9	09:05 AM - 09:10 AM	56.6	55.4	11:45 AM - 11:50 AM	50.6	47.3
06:30 AM - 06:35 AM	59.7	58.8	09:10 AM - 09:15 AM	57.0	56.2	11:50 AM - 11:55 AM	51.0	48.4
06:35 AM - 06:40 AM	57.5	56.6	09:15 AM - 09:20 AM	57.1	56.3	11:55 AM - 12:00 PM	51.9	47.9
06:40 AM - 06:45 AM	56.5	55.6	09:20 AM - 09:25 AM	56.6	55.7	12:00 PM - 12:05 PM	51.6	48.3
06:45 AM - 06:50 AM	55.3	54.3	09:25 AM - 09:30 AM	56.4	55.5	12:05 PM - 12:10 PM	55.2	52.0
06:50 AM - 06:55 AM	54.0	52.9	09:30 AM - 09:35 AM	56.0	55.2	12:10 PM - 12:15 PM	54.7	52.0
06:55 AM - 07:00 AM	53.5	51.9	09:35 AM - 09:40 AM	56.4	55.3	12:15 PM - 12:20 PM	53.8	49.7
07:00 AM - 07:05 AM	54.6	52.5	09:40 AM - 09:45 AM	55.5	54.5	12:20 PM - 12:25 PM	51.4	47.8
07:05 AM - 07:10 AM	54.7	51.8	09:45 AM - 09:50 AM	56.7	55.6	12:25 PM - 12:30 PM	50.6	47.3
07:10 AM - 07:15 AM	53.4	51.7	09:50 AM - 09:55 AM	55.6	54.6	12:30 PM - 12:35 PM	50.5	47.0
07:15 AM - 07:20 AM	56.4	52.9	09:55 AM - 10:00 AM	54.5	53.1	12:35 PM - 12:40 PM	53.4	47.1
07:20 AM - 07:25 AM	55.6	52.6	10:00 AM - 10:05 AM	54.3	52.4	12:40 PM - 12:45 PM	52.8	51.7
07:25 AM - 07:30 AM	56.3	54.1	10:05 AM - 10:10 AM	56.0	52.6	12:45 PM - 12:50 PM	53.3	51.8
07:30 AM - 07:35 AM	57.0	55.9	10:10 AM - 10:15 AM	54.3	48.5	12:50 PM - 12:55 PM	55.3	51.7
07:35 AM - 07:40 AM	56.2	54.1	10:15 AM - 10:20 AM	51.2	48.2	12:55 PM - 01:00 PM	53.0	51.7
07:40 AM - 07:45 AM	54.5	52.4	10:20 AM - 10:25 AM	49.6	47.0	01:00 PM - 01:05 PM	55.8	51.8
07:45 AM - 07:50 AM	53.5	51.5	10:25 AM - 10:30 AM	51.0	47.8	01:05 PM - 01:10 PM	53.0	50.0
07:50 AM - 07:55 AM	53.6	51.8	10:30 AM - 10:35 AM	53.1	48.4	01:10 PM - 01:15 PM	60.9	51.0
07:55 AM - 08:00 AM	61.3	52.2	10:35 AM - 10:40 AM	51.9	47.4	01:15 PM - 01:20 PM	56.4	49.5
08:00 AM - 08:05 AM	62.5	53.4	10:40 AM - 10:45 AM	50.7	47.5	01:20 PM - 01:25 PM	53.2	49.9
08:05 AM - 08:10 AM	69.5	66.0	10:45 AM - 10:50 AM	50.2	46.8	01:25 PM - 01:30 PM	54.1	49.3
08:10 AM - 08:15 AM	66.1	64.9	10:50 AM - 10:55 AM	49.5	46.5	01:30 PM - 01:35 PM	57.0	50.5
08:15 AM - 08:20 AM	64.1	63.4	10:55 AM - 11:00 AM	51.7	48.2	01:35 PM - 01:40 PM	55.9	49.2
08:20 AM - 08:25 AM	63.2	61.7	11:00 AM - 11:05 AM	50.2	47.3	01:40 PM - 01:45 PM	56.7	49.8
08:25 AM - 08:30 AM	61.5	60.9	11:05 AM - 11:10 AM	50.0	47.8	01:45 PM - 01:50 PM	56.6	50.1
08:30 AM - 08:35 AM	63.2	62.1	11:10 AM - 11:15 AM	52.0	48.0	01:50 PM - 01:55 PM	54.4	50.5
08:35 AM - 08:40 AM	63.6	63.1	11:15 AM - 11:20 AM	49.6	47.2	01:55 PM - 02:00 PM	54.5	48.7

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756856-1

Page 1 of 3

Sample Number 2388814-6
Parameter Noise Level (Leq 5 min)
Location หมู่บ้านวัดโสม (GPS 47P 0735038, 1405843)
Measurement Date Aug 21 - Aug 22, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 21, 2023	Leq	L90	Aug 21, 2023	Leq	L90	Aug 21, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	57.0	49.2	04:40 PM - 04:45 PM	57.6	55.3	07:20 PM - 07:25 PM	57.0	55.7
02:05 PM - 02:10 PM	59.3	50.1	04:45 PM - 04:50 PM	56.8	54.0	07:25 PM - 07:30 PM	56.1	54.2
02:10 PM - 02:15 PM	53.7	49.7	04:50 PM - 04:55 PM	56.3	53.6	07:30 PM - 07:35 PM	59.1	51.6
02:15 PM - 02:20 PM	52.6	49.4	04:55 PM - 05:00 PM	56.4	54.2	07:35 PM - 07:40 PM	61.0	52.7
02:20 PM - 02:25 PM	53.9	49.9	05:00 PM - 05:05 PM	56.1	53.6	07:40 PM - 07:45 PM	57.1	52.4
02:25 PM - 02:30 PM	54.0	50.7	05:05 PM - 05:10 PM	56.7	53.8	07:45 PM - 07:50 PM	55.2	53.0
02:30 PM - 02:35 PM	52.3	49.5	05:10 PM - 05:15 PM	56.5	53.8	07:50 PM - 07:55 PM	56.3	49.8
02:35 PM - 02:40 PM	51.4	48.8	05:15 PM - 05:20 PM	56.8	54.3	07:55 PM - 08:00 PM	57.6	51.8
02:40 PM - 02:45 PM	51.8	49.3	05:20 PM - 05:25 PM	63.6	55.2	08:00 PM - 08:05 PM	60.0	53.5
02:45 PM - 02:50 PM	54.1	49.2	05:25 PM - 05:30 PM	56.2	53.1	08:05 PM - 08:10 PM	56.1	53.9
02:50 PM - 02:55 PM	57.1	50.0	05:30 PM - 05:35 PM	57.0	53.6	08:10 PM - 08:15 PM	56.8	54.4
02:55 PM - 03:00 PM	55.9	51.0	05:35 PM - 05:40 PM	56.1	53.3	08:15 PM - 08:20 PM	57.9	53.8
03:00 PM - 03:05 PM	56.2	49.1	05:40 PM - 05:45 PM	56.5	53.1	08:20 PM - 08:25 PM	60.1	55.1
03:05 PM - 03:10 PM	56.8	48.8	05:45 PM - 05:50 PM	56.5	53.5	08:25 PM - 08:30 PM	65.7	61.9
03:10 PM - 03:15 PM	54.1	48.5	05:50 PM - 05:55 PM	56.5	53.3	08:30 PM - 08:35 PM	68.2	64.4
03:15 PM - 03:20 PM	54.0	50.2	05:55 PM - 06:00 PM	55.9	53.6	08:35 PM - 08:40 PM	61.0	58.4
03:20 PM - 03:25 PM	53.8	49.8	06:00 PM - 06:05 PM	56.2	53.6	08:40 PM - 08:45 PM	60.6	59.3
03:25 PM - 03:30 PM	57.2	51.7	06:05 PM - 06:10 PM	55.6	53.3	08:45 PM - 08:50 PM	58.9	56.4
03:30 PM - 03:35 PM	55.1	52.6	06:10 PM - 06:15 PM	57.0	53.5	08:50 PM - 08:55 PM	57.5	55.8
03:35 PM - 03:40 PM	54.1	51.0	06:15 PM - 06:20 PM	55.8	53.2	08:55 PM - 09:00 PM	56.8	55.2
03:40 PM - 03:45 PM	55.8	53.5	06:20 PM - 06:25 PM	56.4	53.6	09:00 PM - 09:05 PM	56.7	54.9
03:45 PM - 03:50 PM	54.9	52.6	06:25 PM - 06:30 PM	55.9	53.7	09:05 PM - 09:10 PM	55.9	54.3
03:50 PM - 03:55 PM	55.7	53.6	06:30 PM - 06:35 PM	58.7	54.0	09:10 PM - 09:15 PM	56.6	55.1
03:55 PM - 04:00 PM	56.2	53.5	06:35 PM - 06:40 PM	63.2	59.2	09:15 PM - 09:20 PM	57.1	55.2
04:00 PM - 04:05 PM	56.1	54.3	06:40 PM - 06:45 PM	58.8	56.0	09:20 PM - 09:25 PM	55.7	53.0
04:05 PM - 04:10 PM	56.2	53.6	06:45 PM - 06:50 PM	56.9	54.7	09:25 PM - 09:30 PM	55.5	52.9
04:10 PM - 04:15 PM	56.6	54.5	06:50 PM - 06:55 PM	56.0	53.6	09:30 PM - 09:35 PM	55.0	53.1
04:15 PM - 04:20 PM	55.1	53.2	06:55 PM - 07:00 PM	56.0	52.8	09:35 PM - 09:40 PM	54.5	52.1
04:20 PM - 04:25 PM	56.5	53.8	07:00 PM - 07:05 PM	56.7	54.0	09:40 PM - 09:45 PM	54.5	51.8
04:25 PM - 04:30 PM	56.2	53.7	07:05 PM - 07:10 PM	56.8	54.3	09:45 PM - 09:50 PM	54.2	51.9
04:30 PM - 04:35 PM	57.0	54.5	07:10 PM - 07:15 PM	57.0	54.4	09:50 PM - 09:55 PM	55.0	53.0
04:35 PM - 04:40 PM	58.2	56.1	07:15 PM - 07:20 PM	56.8	54.9	09:55 PM - 10:00 PM	57.9	55.9

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756856-1

Page 2 of 3

Sample Number 2388814-6
Parameter Noise Level (Leq 5 min)
Location หมู่บ้านวัดโสม (GPS 47P 0735038, 1405843)
Measurement Date Aug 21 - Aug 22, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 21 - Aug 22, 2023	Leq	L90	Aug 22, 2023	Leq	L90	Aug 22, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	60.7	59.4	12:40 AM - 12:45 AM	58.5	58.0	03:20 AM - 03:25 AM	49.6	49.1
10:05 PM - 10:10 PM	62.0	61.3	12:45 AM - 12:50 AM	57.1	56.1	03:25 AM - 03:30 AM	49.2	48.9
10:10 PM - 10:15 PM	61.0	59.7	12:50 AM - 12:55 AM	55.8	54.5	03:30 AM - 03:35 AM	49.7	49.2
10:15 PM - 10:20 PM	63.2	62.4	12:55 AM - 01:00 AM	54.2	52.7	03:35 AM - 03:40 AM	49.9	49.4
10:20 PM - 10:25 PM	63.3	62.0	01:00 AM - 01:05 AM	53.3	52.4	03:40 AM - 03:45 AM	50.7	49.4
10:25 PM - 10:30 PM	61.1	59.5	01:05 AM - 01:10 AM	53.2	52.3	03:45 AM - 03:50 AM	50.0	49.4
10:30 PM - 10:35 PM	59.8	58.1	01:10 AM - 01:15 AM	52.5	51.5	03:50 AM - 03:55 AM	50.5	49.8
10:35 PM - 10:40 PM	58.0	56.3	01:15 AM - 01:20 AM	52.2	51.0	03:55 AM - 04:00 AM	50.2	49.7
10:40 PM - 10:45 PM	57.8	56.0	01:20 AM - 01:25 AM	51.5	50.6	04:00 AM - 04:05 AM	50.1	49.7
10:45 PM - 10:50 PM	56.9	54.6	01:25 AM - 01:30 AM	51.2	50.5	04:05 AM - 04:10 AM	50.5	49.6
10:50 PM - 10:55 PM	58.0	54.2	01:30 AM - 01:35 AM	51.6	50.7	04:10 AM - 04:15 AM	50.1	49.5
10:55 PM - 11:00 PM	56.7	54.2	01:35 AM - 01:40 AM	50.6	49.9	04:15 AM - 04:20 AM	50.4	49.4
11:00 PM - 11:05 PM	57.7	56.4	01:40 AM - 01:45 AM	50.5	49.9	04:20 AM - 04:25 AM	50.0	49.4
11:05 PM - 11:10 PM	58.3	57.1	01:45 AM - 01:50 AM	50.6	50.1	04:25 AM - 04:30 AM	50.5	49.6
11:10 PM - 11:15 PM	60.9	55.1	01:50 AM - 01:55 AM	51.4	50.2	04:30 AM - 04:35 AM	50.6	49.8
11:15 PM - 11:20 PM	55.4	53.2	01:55 AM - 02:00 AM	50.9	50.4	04:35 AM - 04:40 AM	51.3	49.7
11:20 PM - 11:25 PM	55.8	53.0	02:00 AM - 02:05 AM	51.2	50.0	04:40 AM - 04:45 AM	50.0	49.2
11:25 PM - 11:30 PM	55.4	52.8	02:05 AM - 02:10 AM	50.3	49.7	04:45 AM - 04:50 AM	49.9	49.3
11:30 PM - 11:35 PM	57.7	52.7	02:10 AM - 02:15 AM	50.3	49.7	04:50 AM - 04:55 AM	50.5	49.4
11:35 PM - 11:40 PM	54.1	52.1	02:15 AM - 02:20 AM	49.7	49.0	04:55 AM - 05:00 AM	51.5	49.4
11:40 PM - 11:45 PM	52.9	51.9	02:20 AM - 02:25 AM	49.8	49.3	05:00 AM - 05:05 AM	50.6	49.5
11:45 PM - 11:50 PM	52.9	51.6	02:25 AM - 02:30 AM	50.1	49.5	05:05 AM - 05:10 AM	51.5	49.7
11:50 PM - 11:55 PM	52.8	51.2	02:30 AM - 02:35 AM	50.3	49.8	05:10 AM - 05:15 AM	50.7	49.1
11:55 PM - 12:00 AM	53.4	51.1	02:35 AM - 02:40 AM	50.7	49.7	05:15 AM - 05:20 AM	50.8	49.2
12:00 AM - 12:05 AM	52.2	50.8	02:40 AM - 02:45 AM	50.4	49.9	05:20 AM - 05:25 AM	49.9	49.0
12:05 AM - 12:10 AM	52.1	51.0	02:45 AM - 02:50 AM	50.3	49.7	05:25 AM - 05:30 AM	50.8	49.2
12:10 AM - 12:15 AM	53.1	51.8	02:50 AM - 02:55 AM	50.4	49.8	05:30 AM - 05:35 AM	50.5	49.3
12:15 AM - 12:20 AM	53.9	52.7	02:55 AM - 03:00 AM	50.1	49.3	05:35 AM - 05:40 AM	50.6	49.1
12:20 AM - 12:25 AM	56.9	54.7	03:00 AM - 03:05 AM	50.5	49.2	05:40 AM - 05:45 AM	51.9	50.1
12:25 AM - 12:30 AM	59.0	58.2	03:05 AM - 03:10 AM	49.9	49.3	05:45 AM - 05:50 AM	53.2	49.9
12:30 AM - 12:35 AM	59.7	59.2	03:10 AM - 03:15 AM	50.2	49.6	05:50 AM - 05:55 AM	54.0	51.0
12:35 AM - 12:40 AM	59.5	58.9	03:15 AM - 03:20 AM	50.1	49.3	05:55 AM - 06:00 AM	51.9	50.5

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756856-1

Page 3 of 3

Sample Number 2388814-6
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโคก (GPS 47P 0735038, 1405843)
Measurement Date Aug 21 - Aug 22, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 22, 2023			Aug 22, 2023			Aug 22, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	52.0	50.8	08:40 AM - 08:45 AM	54.5	51.6	11:20 AM - 11:25 AM	52.8	50.1
06:05 AM - 06:10 AM	52.6	51.0	08:45 AM - 08:50 AM	54.5	51.2	11:25 AM - 11:30 AM	53.4	50.6
06:10 AM - 06:15 AM	53.9	51.8	08:50 AM - 08:55 AM	52.5	50.4	11:30 AM - 11:35 AM	53.7	50.8
06:15 AM - 06:20 AM	54.2	52.4	08:55 AM - 09:00 AM	53.0	50.0	11:35 AM - 11:40 AM	52.8	49.6
06:20 AM - 06:25 AM	54.7	51.9	09:00 AM - 09:05 AM	52.0	50.0	11:40 AM - 11:45 AM	52.4	50.2
06:25 AM - 06:30 AM	54.1	52.2	09:05 AM - 09:10 AM	52.9	50.6	11:45 AM - 11:50 AM	52.8	50.6
06:30 AM - 06:35 AM	54.1	52.6	09:10 AM - 09:15 AM	53.7	50.6	11:50 AM - 11:55 AM	52.9	50.5
06:35 AM - 06:40 AM	53.9	52.6	09:15 AM - 09:20 AM	51.2	49.0	11:55 AM - 12:00 PM	53.7	51.4
06:40 AM - 06:45 AM	54.1	52.6	09:20 AM - 09:25 AM	51.7	49.3	12:00 PM - 12:05 PM	57.2	54.7
06:45 AM - 06:50 AM	54.2	52.3	09:25 AM - 09:30 AM	55.9	48.9	12:05 PM - 12:10 PM	57.6	54.3
06:50 AM - 06:55 AM	56.2	53.0	09:30 AM - 09:35 AM	52.7	48.5	12:10 PM - 12:15 PM	57.3	52.6
06:55 AM - 07:00 AM	54.2	52.2	09:35 AM - 09:40 AM	52.2	48.6	12:15 PM - 12:20 PM	57.6	51.7
07:00 AM - 07:05 AM	54.4	52.2	09:40 AM - 09:45 AM	51.6	48.8	12:20 PM - 12:25 PM	53.2	49.7
07:05 AM - 07:10 AM	54.5	52.9	09:45 AM - 09:50 AM	50.0	48.0	12:25 PM - 12:30 PM	52.3	49.8
07:10 AM - 07:15 AM	56.1	53.1	09:50 AM - 09:55 AM	51.0	48.7	12:30 PM - 12:35 PM	52.7	50.0
07:15 AM - 07:20 AM	55.3	53.4	09:55 AM - 10:00 AM	50.6	48.0	12:35 PM - 12:40 PM	52.5	50.0
07:20 AM - 07:25 AM	57.0	53.8	10:00 AM - 10:05 AM	53.6	48.1	12:40 PM - 12:45 PM	53.0	50.5
07:25 AM - 07:30 AM	55.5	53.1	10:05 AM - 10:10 AM	53.0	48.4	12:45 PM - 12:50 PM	52.2	49.5
07:30 AM - 07:35 AM	55.2	52.9	10:10 AM - 10:15 AM	53.0	49.0	12:50 PM - 12:55 PM	54.1	50.9
07:35 AM - 07:40 AM	54.0	51.8	10:15 AM - 10:20 AM	53.6	48.5	12:55 PM - 01:00 PM	53.2	50.7
07:40 AM - 07:45 AM	54.6	52.4	10:20 AM - 10:25 AM	53.2	49.6	01:00 PM - 01:05 PM	57.5	51.9
07:45 AM - 07:50 AM	56.5	51.3	10:25 AM - 10:30 AM	52.9	50.5	01:05 PM - 01:10 PM	62.1	57.0
07:50 AM - 07:55 AM	54.9	52.1	10:30 AM - 10:35 AM	50.5	48.8	01:10 PM - 01:15 PM	64.2	57.9
07:55 AM - 08:00 AM	56.0	51.7	10:35 AM - 10:40 AM	52.2	49.9	01:15 PM - 01:20 PM	62.1	56.7
08:00 AM - 08:05 AM	56.4	52.0	10:40 AM - 10:45 AM	51.9	49.2	01:20 PM - 01:25 PM	61.9	57.1
08:05 AM - 08:10 AM	54.8	52.4	10:45 AM - 10:50 AM	50.7	49.0	01:25 PM - 01:30 PM	62.4	57.9
08:10 AM - 08:15 AM	54.7	52.7	10:50 AM - 10:55 AM	50.8	48.6	01:30 PM - 01:35 PM	62.3	56.5
08:15 AM - 08:20 AM	54.6	52.6	10:55 AM - 11:00 AM	54.7	49.3	01:35 PM - 01:40 PM	61.3	56.2
08:20 AM - 08:25 AM	56.5	52.4	11:00 AM - 11:05 AM	53.1	49.6	01:40 PM - 01:45 PM	61.7	56.6
08:25 AM - 08:30 AM	55.7	51.4	11:05 AM - 11:10 AM	52.0	49.7	01:45 PM - 01:50 PM	61.6	57.4
08:30 AM - 08:35 AM	57.4	52.7	11:10 AM - 11:15 AM	52.2	50.0	01:50 PM - 01:55 PM	61.2	56.0
08:35 AM - 08:40 AM	53.8	50.3	11:15 AM - 11:20 AM	53.6	50.4	01:55 PM - 02:00 PM	61.2	55.4

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756857-1

Page 1 of 3

Sample Number 2388814-7
Parameter Noise Level (Leq 5 min)
Location หนองน้ำโคก (GPS 47P 0735038, 1405843)
Measurement Date Aug 22 - Aug 23, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 22, 2023			Aug 22, 2023			Aug 22, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	61.5	57.1	04:40 PM - 04:45 PM	56.5	54.3	07:20 PM - 07:25 PM	53.7	51.5
02:05 PM - 02:10 PM	61.3	55.8	04:45 PM - 04:50 PM	56.9	53.4	07:25 PM - 07:30 PM	52.7	50.9
02:10 PM - 02:15 PM	60.8	55.7	04:50 PM - 04:55 PM	55.9	53.6	07:30 PM - 07:35 PM	53.4	50.8
02:15 PM - 02:20 PM	61.2	57.0	04:55 PM - 05:00 PM	55.6	53.3	07:35 PM - 07:40 PM	53.1	50.7
02:20 PM - 02:25 PM	61.4	56.1	05:00 PM - 05:05 PM	55.0	52.8	07:40 PM - 07:45 PM	53.0	50.2
02:25 PM - 02:30 PM	61.2	56.1	05:05 PM - 05:10 PM	55.2	52.7	07:45 PM - 07:50 PM	51.4	49.8
02:30 PM - 02:35 PM	59.1	50.5	05:10 PM - 05:15 PM	56.7	51.5	07:50 PM - 07:55 PM	51.6	50.0
02:35 PM - 02:40 PM	56.3	51.5	05:15 PM - 05:20 PM	53.2	51.6	07:55 PM - 08:00 PM	51.6	49.9
02:40 PM - 02:45 PM	59.4	52.7	05:20 PM - 05:25 PM	54.2	52.0	08:00 PM - 08:05 PM	51.7	50.0
02:45 PM - 02:50 PM	61.6	56.4	05:25 PM - 05:30 PM	53.2	51.3	08:05 PM - 08:10 PM	54.6	50.8
02:50 PM - 02:55 PM	62.0	55.6	05:30 PM - 05:35 PM	53.3	51.8	08:10 PM - 08:15 PM	52.8	51.0
02:55 PM - 03:00 PM	61.4	56.5	05:35 PM - 05:40 PM	53.6	52.2	08:15 PM - 08:20 PM	52.7	50.6
03:00 PM - 03:05 PM	64.4	57.2	05:40 PM - 05:45 PM	53.9	51.7	08:20 PM - 08:25 PM	52.3	50.6
03:05 PM - 03:10 PM	61.6	56.3	05:45 PM - 05:50 PM	53.0	51.6	08:25 PM - 08:30 PM	53.2	50.5
03:10 PM - 03:15 PM	60.7	52.0	05:50 PM - 05:55 PM	53.4	50.7	08:30 PM - 08:35 PM	52.0	50.6
03:15 PM - 03:20 PM	53.5	51.1	05:55 PM - 06:00 PM	53.2	50.8	08:35 PM - 08:40 PM	53.1	50.5
03:20 PM - 03:25 PM	65.7	58.4	06:00 PM - 06:05 PM	51.7	50.0	08:40 PM - 08:45 PM	53.0	50.6
03:25 PM - 03:30 PM	64.3	51.8	06:05 PM - 06:10 PM	54.0	51.0	08:45 PM - 08:50 PM	52.8	51.0
03:30 PM - 03:35 PM	64.4	50.1	06:10 PM - 06:15 PM	53.0	51.1	08:50 PM - 08:55 PM	52.4	49.8
03:35 PM - 03:40 PM	62.5	51.6	06:15 PM - 06:20 PM	53.0	50.7	08:55 PM - 09:00 PM	52.8	50.4
03:40 PM - 03:45 PM	66.0	54.5	06:20 PM - 06:25 PM	53.3	51.0	09:00 PM - 09:05 PM	51.8	49.9
03:45 PM - 03:50 PM	65.9	52.2	06:25 PM - 06:30 PM	54.7	51.4	09:05 PM - 09:10 PM	52.1	50.0
03:50 PM - 03:55 PM	63.8	51.4	06:30 PM - 06:35 PM	55.0	51.6	09:10 PM - 09:15 PM	52.7	49.9
03:55 PM - 04:00 PM	63.3	50.3	06:35 PM - 06:40 PM	57.3	51.2	09:15 PM - 09:20 PM	52.0	49.8
04:00 PM - 04:05 PM	63.2	51.4	06:40 PM - 06:45 PM	56.1	52.2	09:20 PM - 09:25 PM	50.3	49.0
04:05 PM - 04:10 PM	64.6	51.5	06:45 PM - 06:50 PM	53.0	51.3	09:25 PM - 09:30 PM	51.6	49.5
04:10 PM - 04:15 PM	59.5	52.7	06:50 PM - 06:55 PM	54.6	50.6	09:30 PM - 09:35 PM	50.7	49.4
04:15 PM - 04:20 PM	66.2	53.3	06:55 PM - 07:00 PM	52.9	51.2	09:35 PM - 09:40 PM	54.0	50.2
04:20 PM - 04:25 PM	65.5	59.0	07:00 PM - 07:05 PM	53.2	50.8	09:40 PM - 09:45 PM	55.1	50.2
04:25 PM - 04:30 PM	66.3	59.8	07:05 PM - 07:10 PM	53.1	51.0	09:45 PM - 09:50 PM	49.9	48.7
04:30 PM - 04:35 PM	56.5	54.3	07:10 PM - 07:15 PM	53.5	51.8	09:50 PM - 09:55 PM	52.0	49.1
04:35 PM - 04:40 PM	57.8	54.7	07:15 PM - 07:20 PM	52.7	51.4	09:55 PM - 10:00 PM	51.1	49.4

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756857-1

Page 2 of 3

Sample Number 2388814-7
Parameter Noise Level (Leq 5 min)
Location ชุมชนวัดโสมกู่ (GPS 47P 0735038, 1405843)
Measurement Date Aug 22 - Aug 23, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 22 - Aug 23, 2023			Aug 23, 2023			Aug 23, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	51.5	49.3	12:40 AM - 12:45 AM	56.4	54.9	03:20 AM - 03:25 AM	51.3	49.4
10:05 PM - 10:10 PM	51.2	49.4	12:45 AM - 12:50 AM	52.7	50.0	03:25 AM - 03:30 AM	50.7	49.1
10:10 PM - 10:15 PM	52.8	49.7	12:50 AM - 12:55 AM	54.0	50.1	03:30 AM - 03:35 AM	49.7	48.8
10:15 PM - 10:20 PM	51.3	49.0	12:55 AM - 01:00 AM	52.7	50.5	03:35 AM - 03:40 AM	51.3	48.9
10:20 PM - 10:25 PM	52.7	49.2	01:00 AM - 01:05 AM	51.1	48.7	03:40 AM - 03:45 AM	49.8	49.1
10:25 PM - 10:30 PM	51.4	49.2	01:05 AM - 01:10 AM	51.0	49.1	03:45 AM - 03:50 AM	50.4	48.9
10:30 PM - 10:35 PM	51.7	49.5	01:10 AM - 01:15 AM	50.9	49.3	03:50 AM - 03:55 AM	50.7	48.7
10:35 PM - 10:40 PM	51.2	49.4	01:15 AM - 01:20 AM	50.4	49.3	03:55 AM - 04:00 AM	51.7	49.3
10:40 PM - 10:45 PM	53.1	50.5	01:20 AM - 01:25 AM	50.8	49.4	04:00 AM - 04:05 AM	50.1	48.8
10:45 PM - 10:50 PM	51.8	49.8	01:25 AM - 01:30 AM	50.3	49.1	04:05 AM - 04:10 AM	50.1	49.1
10:50 PM - 10:55 PM	52.1	50.1	01:30 AM - 01:35 AM	50.9	49.4	04:10 AM - 04:15 AM	51.6	49.0
10:55 PM - 11:00 PM	51.6	49.4	01:35 AM - 01:40 AM	51.4	48.9	04:15 AM - 04:20 AM	52.2	49.3
11:00 PM - 11:05 PM	50.7	49.1	01:40 AM - 01:45 AM	50.5	49.1	04:20 AM - 04:25 AM	51.1	49.6
11:05 PM - 11:10 PM	49.9	49.1	01:45 AM - 01:50 AM	50.6	49.2	04:25 AM - 04:30 AM	53.5	50.1
11:10 PM - 11:15 PM	51.8	50.2	01:50 AM - 01:55 AM	50.6	48.9	04:30 AM - 04:35 AM	52.1	50.5
11:15 PM - 11:20 PM	50.8	49.8	01:55 AM - 02:00 AM	50.1	48.7	04:35 AM - 04:40 AM	50.7	49.2
11:20 PM - 11:25 PM	57.6	49.9	02:00 AM - 02:05 AM	50.0	48.6	04:40 AM - 04:45 AM	50.8	49.4
11:25 PM - 11:30 PM	53.3	50.7	02:05 AM - 02:10 AM	49.7	48.9	04:45 AM - 04:50 AM	52.2	49.6
11:30 PM - 11:35 PM	53.8	50.2	02:10 AM - 02:15 AM	50.4	49.1	04:50 AM - 04:55 AM	52.6	50.1
11:35 PM - 11:40 PM	55.3	51.7	02:15 AM - 02:20 AM	49.7	48.9	04:55 AM - 05:00 AM	52.0	49.5
11:40 PM - 11:45 PM	52.8	51.2	02:20 AM - 02:25 AM	49.8	48.6	05:00 AM - 05:05 AM	51.2	49.4
11:45 PM - 11:50 PM	53.1	51.0	02:25 AM - 02:30 AM	50.3	49.1	05:05 AM - 05:10 AM	53.7	50.6
11:50 PM - 11:55 PM	53.5	50.7	02:30 AM - 02:35 AM	50.1	48.9	05:10 AM - 05:15 AM	53.4	50.1
11:55 PM - 12:00 AM	53.3	49.5	02:35 AM - 02:40 AM	53.2	49.6	05:15 AM - 05:20 AM	50.7	49.5
12:00 AM - 12:05 AM	52.9	49.7	02:40 AM - 02:45 AM	52.7	50.1	05:20 AM - 05:25 AM	51.7	49.3
12:05 AM - 12:10 AM	51.7	49.9	02:45 AM - 02:50 AM	51.7	49.9	05:25 AM - 05:30 AM	51.2	49.4
12:10 AM - 12:15 AM	52.5	49.8	02:50 AM - 02:55 AM	50.5	48.9	05:30 AM - 05:35 AM	52.0	49.8
12:15 AM - 12:20 AM	51.5	49.7	02:55 AM - 03:00 AM	52.0	49.2	05:35 AM - 05:40 AM	52.7	50.3
12:20 AM - 12:25 AM	51.5	50.0	03:00 AM - 03:05 AM	50.5	48.9	05:40 AM - 05:45 AM	51.6	49.9
12:25 AM - 12:30 AM	51.9	50.2	03:05 AM - 03:10 AM	50.5	48.9	05:45 AM - 05:50 AM	54.8	51.6
12:30 AM - 12:35 AM	51.7	50.1	03:10 AM - 03:15 AM	50.8	49.2	05:50 AM - 05:55 AM	51.6	50.3
12:35 AM - 12:40 AM	56.1	49.6	03:15 AM - 03:20 AM	51.7	49.8	05:55 AM - 06:00 AM	52.0	50.6

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756857-1

Page 3 of 3

Sample Number 2388814-7
Parameter Noise Level (Leq 5 min)
Location ชุมชนวัดโสมกู่ (GPS 47P 0735038, 1405843)
Measurement Date Aug 22 - Aug 23, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900071

Aug 23, 2023			Aug 23, 2023			Aug 23, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	53.2	51.4	08:40 AM - 08:45 AM	53.7	51.1	11:20 AM - 11:25 AM	60.1	51.6
06:05 AM - 06:10 AM	53.4	50.9	08:45 AM - 08:50 AM	52.9	50.6	11:25 AM - 11:30 AM	51.3	49.0
06:10 AM - 06:15 AM	53.5	51.4	08:50 AM - 08:55 AM	52.2	49.6	11:30 AM - 11:35 AM	52.3	49.4
06:15 AM - 06:20 AM	54.5	51.9	08:55 AM - 09:00 AM	51.6	49.1	11:35 AM - 11:40 AM	51.9	49.9
06:20 AM - 06:25 AM	54.7	51.6	09:00 AM - 09:05 AM	52.7	50.2	11:40 AM - 11:45 AM	52.4	49.7
06:25 AM - 06:30 AM	54.7	52.5	09:05 AM - 09:10 AM	54.9	48.8	11:45 AM - 11:50 AM	52.4	50.3
06:30 AM - 06:35 AM	54.7	52.8	09:10 AM - 09:15 AM	53.0	49.5	11:50 AM - 11:55 AM	51.8	49.7
06:35 AM - 06:40 AM	54.5	52.4	09:15 AM - 09:20 AM	53.3	51.2	11:55 AM - 12:00 PM	53.0	49.6
06:40 AM - 06:45 AM	54.9	52.9	09:20 AM - 09:25 AM	51.2	49.0	12:00 PM - 12:05 PM	52.9	50.0
06:45 AM - 06:50 AM	54.1	52.5	09:25 AM - 09:30 AM	52.9	50.1	12:05 PM - 12:10 PM	55.1	50.3
06:50 AM - 06:55 AM	54.6	52.2	09:30 AM - 09:35 AM	51.9	48.6	12:10 PM - 12:15 PM	55.4	51.2
06:55 AM - 07:00 AM	53.9	52.3	09:35 AM - 09:40 AM	52.9	49.5	12:15 PM - 12:20 PM	55.5	50.9
07:00 AM - 07:05 AM	55.7	53.3	09:40 AM - 09:45 AM	55.0	51.3	12:20 PM - 12:25 PM	54.3	51.0
07:05 AM - 07:10 AM	55.3	53.0	09:45 AM - 09:50 AM	54.7	50.2	12:25 PM - 12:30 PM	58.7	49.7
07:10 AM - 07:15 AM	57.5	53.5	09:50 AM - 09:55 AM	54.3	50.9	12:30 PM - 12:35 PM	54.1	51.4
07:15 AM - 07:20 AM	55.4	53.2	09:55 AM - 10:00 AM	53.3	50.9	12:35 PM - 12:40 PM	54.4	50.7
07:20 AM - 07:25 AM	55.1	52.7	10:00 AM - 10:05 AM	52.6	49.0	12:40 PM - 12:45 PM	54.1	50.2
07:25 AM - 07:30 AM	54.5	51.7	10:05 AM - 10:10 AM	51.6	48.7	12:45 PM - 12:50 PM	53.3	50.2
07:30 AM - 07:35 AM	54.3	51.6	10:10 AM - 10:15 AM	52.1	49.2	12:50 PM - 12:55 PM	55.7	51.8
07:35 AM - 07:40 AM	53.3	50.8	10:15 AM - 10:20 AM	52.0	49.3	12:55 PM - 01:00 PM	53.5	50.6
07:40 AM - 07:45 AM	54.2	51.0	10:20 AM - 10:25 AM	61.0	49.4	01:00 PM - 01:05 PM	55.0	51.6
07:45 AM - 07:50 AM	54.3	51.3	10:25 AM - 10:30 AM	52.8	49.3	01:05 PM - 01:10 PM	54.8	50.8
07:50 AM - 07:55 AM	53.7	51.7	10:30 AM - 10:35 AM	52.5	50.0	01:10 PM - 01:15 PM	53.3	50.3
07:55 AM - 08:00 AM	53.4	51.3	10:35 AM - 10:40 AM	52.2	49.2	01:15 PM - 01:20 PM	53.2	49.3
08:00 AM - 08:05 AM	54.2	50.9	10:40 AM - 10:45 AM	55.2	50.4	01:20 PM - 01:25 PM	50.6	48.0
08:05 AM - 08:10 AM	52.9	50.4	10:45 AM - 10:50 AM	50.7	48.4	01:25 PM - 01:30 PM	53.0	47.6
08:10 AM - 08:15 AM	53.8	51.8	10:50 AM - 10:55 AM	51.3	48.0	01:30 PM - 01:35 PM	52.2	49.3
08:15 AM - 08:20 AM	52.4	50.3	10:55 AM - 11:00 AM	50.6	48.3	01:35 PM - 01:40 PM	53.6	49.0
08:20 AM - 08:25 AM	54.0	51.6	11:00 AM - 11:05 AM	53.4	48.9	01:40 PM - 01:45 PM	51.5	48.9
08:25 AM - 08:30 AM	52.5	50.1	11:05 AM - 11:10 AM	54.0	50.3	01:45 PM - 01:50 PM	52.0	48.7
08:30 AM - 08:35 AM	52.0	49.6	11:10 AM - 11:15 AM	54.3	49.3	01:50 PM - 01:55 PM	52.5	49.2
08:35 AM - 08:40 AM	53.2	50.6	11:15 AM - 11:20 AM	60.8	58.5	01:55 PM - 02:00 PM	53.8	49.8

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756858-1

Page 1 of 3

Sample Number 2388814-8
Parameter Noise Level (Leq 5 min)
Location ชุมชนตาพรุ-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date Aug 16 - Aug 17, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 16, 2023			Aug 16, 2023			Aug 16, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	55.4	49.0	04:40 PM - 04:45 PM	54.8	51.5	07:20 PM - 07:25 PM	53.7	48.3
02:05 PM - 02:10 PM	50.0	46.5	04:45 PM - 04:50 PM	55.0	52.0	07:25 PM - 07:30 PM	52.3	48.9
02:10 PM - 02:15 PM	57.2	48.1	04:50 PM - 04:55 PM	55.4	50.9	07:30 PM - 07:35 PM	52.4	48.5
02:15 PM - 02:20 PM	51.4	47.6	04:55 PM - 05:00 PM	55.5	50.2	07:35 PM - 07:40 PM	53.0	48.9
02:20 PM - 02:25 PM	54.0	48.8	05:00 PM - 05:05 PM	54.5	50.7	07:40 PM - 07:45 PM	52.7	48.7
02:25 PM - 02:30 PM	53.0	47.7	05:05 PM - 05:10 PM	55.5	50.9	07:45 PM - 07:50 PM	50.6	47.9
02:30 PM - 02:35 PM	53.7	48.4	05:10 PM - 05:15 PM	55.5	51.6	07:50 PM - 07:55 PM	60.3	49.1
02:35 PM - 02:40 PM	53.0	49.5	05:15 PM - 05:20 PM	55.0	50.1	07:55 PM - 08:00 PM	52.0	48.7
02:40 PM - 02:45 PM	54.2	49.2	05:20 PM - 05:25 PM	55.4	51.6	08:00 PM - 08:05 PM	52.9	48.0
02:45 PM - 02:50 PM	53.3	49.1	05:25 PM - 05:30 PM	53.1	50.4	08:05 PM - 08:10 PM	53.7	47.6
02:50 PM - 02:55 PM	52.2	48.5	05:30 PM - 05:35 PM	53.5	50.1	08:10 PM - 08:15 PM	51.5	47.7
02:55 PM - 03:00 PM	52.9	48.8	05:35 PM - 05:40 PM	53.1	49.5	08:15 PM - 08:20 PM	52.0	49.5
03:00 PM - 03:05 PM	51.4	48.3	05:40 PM - 05:45 PM	52.9	50.2	08:20 PM - 08:25 PM	51.7	48.4
03:05 PM - 03:10 PM	50.7	47.5	05:45 PM - 05:50 PM	54.3	50.5	08:25 PM - 08:30 PM	51.3	48.4
03:10 PM - 03:15 PM	52.5	48.3	05:50 PM - 05:55 PM	54.3	50.4	08:30 PM - 08:35 PM	52.5	48.3
03:15 PM - 03:20 PM	52.9	45.9	05:55 PM - 06:00 PM	52.4	49.3	08:35 PM - 08:40 PM	51.6	48.1
03:20 PM - 03:25 PM	50.8	47.3	06:00 PM - 06:05 PM	52.6	50.1	08:40 PM - 08:45 PM	50.5	46.3
03:25 PM - 03:30 PM	50.7	47.4	06:05 PM - 06:10 PM	53.1	49.9	08:45 PM - 08:50 PM	50.7	47.2
03:30 PM - 03:35 PM	53.9	47.5	06:10 PM - 06:15 PM	56.7	49.8	08:50 PM - 08:55 PM	50.1	46.9
03:35 PM - 03:40 PM	51.8	47.4	06:15 PM - 06:20 PM	57.0	50.5	08:55 PM - 09:00 PM	60.5	46.0
03:40 PM - 03:45 PM	57.7	50.1	06:20 PM - 06:25 PM	53.0	50.1	09:00 PM - 09:05 PM	51.0	45.8
03:45 PM - 03:50 PM	57.1	48.8	06:25 PM - 06:30 PM	53.3	50.7	09:05 PM - 09:10 PM	52.4	46.4
03:50 PM - 03:55 PM	52.5	47.6	06:30 PM - 06:35 PM	55.3	50.3	09:10 PM - 09:15 PM	49.6	46.7
03:55 PM - 04:00 PM	51.4	48.0	06:35 PM - 06:40 PM	53.4	50.5	09:15 PM - 09:20 PM	58.0	47.7
04:00 PM - 04:05 PM	54.4	47.6	06:40 PM - 06:45 PM	53.7	50.1	09:20 PM - 09:25 PM	52.6	46.5
04:05 PM - 04:10 PM	54.1	49.0	06:45 PM - 06:50 PM	54.3	49.3	09:25 PM - 09:30 PM	51.3	47.4
04:10 PM - 04:15 PM	53.6	50.2	06:50 PM - 06:55 PM	54.1	49.5	09:30 PM - 09:35 PM	56.5	48.4
04:15 PM - 04:20 PM	53.6	50.2	06:55 PM - 07:00 PM	57.0	50.3	09:35 PM - 09:40 PM	53.4	48.2
04:20 PM - 04:25 PM	55.6	49.6	07:00 PM - 07:05 PM	53.1	49.1	09:40 PM - 09:45 PM	51.9	47.1
04:25 PM - 04:30 PM	55.1	51.9	07:05 PM - 07:10 PM	53.9	49.1	09:45 PM - 09:50 PM	56.1	47.2
04:30 PM - 04:35 PM	53.0	49.7	07:10 PM - 07:15 PM	53.6	49.7	09:50 PM - 09:55 PM	57.8	47.8
04:35 PM - 04:40 PM	56.2	51.3	07:15 PM - 07:20 PM	53.7	49.3	09:55 PM - 10:00 PM	52.2	47.3

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756858-1

Page 2 of 3

Sample Number 2388814-8
Parameter Noise Level (Leq 5 min)
Location ชุมชนตาพรุ-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date Aug 16 - Aug 17, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 16 - Aug 17, 2023			Aug 17, 2023			Aug 17, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	50.7	47.5	12:40 AM - 12:45 AM	47.8	45.9	03:20 AM - 03:25 AM	45.0	42.8
10:05 PM - 10:10 PM	52.5	47.1	12:45 AM - 12:50 AM	51.2	45.5	03:25 AM - 03:30 AM	55.4	43.2
10:10 PM - 10:15 PM	57.1	47.8	12:50 AM - 12:55 AM	49.9	45.0	03:30 AM - 03:35 AM	48.2	42.6
10:15 PM - 10:20 PM	50.6	46.0	12:55 AM - 01:00 AM	50.3	45.4	03:35 AM - 03:40 AM	45.6	42.7
10:20 PM - 10:25 PM	53.7	47.2	01:00 AM - 01:05 AM	49.3	46.7	03:40 AM - 03:45 AM	46.6	43.1
10:25 PM - 10:30 PM	48.9	45.1	01:05 AM - 01:10 AM	49.0	46.2	03:45 AM - 03:50 AM	55.3	44.9
10:30 PM - 10:35 PM	50.2	45.1	01:10 AM - 01:15 AM	49.5	46.2	03:50 AM - 03:55 AM	53.8	45.6
10:35 PM - 10:40 PM	51.2	46.3	01:15 AM - 01:20 AM	47.5	45.9	03:55 AM - 04:00 AM	45.7	43.5
10:40 PM - 10:45 PM	49.5	45.7	01:20 AM - 01:25 AM	51.7	45.7	04:00 AM - 04:05 AM	45.7	43.3
10:45 PM - 10:50 PM	51.0	46.0	01:25 AM - 01:30 AM	50.1	45.0	04:05 AM - 04:10 AM	53.3	43.8
10:50 PM - 10:55 PM	52.2	44.8	01:30 AM - 01:35 AM	52.4	44.4	04:10 AM - 04:15 AM	45.5	43.4
10:55 PM - 11:00 PM	50.1	45.7	01:35 AM - 01:40 AM	49.2	45.1	04:15 AM - 04:20 AM	53.1	43.4
11:00 PM - 11:05 PM	52.4	46.0	01:40 AM - 01:45 AM	54.1	44.7	04:20 AM - 04:25 AM	51.8	42.3
11:05 PM - 11:10 PM	50.6	46.9	01:45 AM - 01:50 AM	48.2	44.8	04:25 AM - 04:30 AM	45.7	43.0
11:10 PM - 11:15 PM	49.2	46.7	01:50 AM - 01:55 AM	46.6	43.6	04:30 AM - 04:35 AM	48.0	43.2
11:15 PM - 11:20 PM	51.0	47.2	01:55 AM - 02:00 AM	45.7	44.1	04:35 AM - 04:40 AM	46.5	42.7
11:20 PM - 11:25 PM	51.5	46.8	02:00 AM - 02:05 AM	46.8	45.0	04:40 AM - 04:45 AM	51.5	42.4
11:25 PM - 11:30 PM	51.4	47.2	02:05 AM - 02:10 AM	47.0	45.6	04:45 AM - 04:50 AM	54.0	43.4
11:30 PM - 11:35 PM	51.6	47.1	02:10 AM - 02:15 AM	46.9	45.2	04:50 AM - 04:55 AM	52.7	43.5
11:35 PM - 11:40 PM	49.9	47.4	02:15 AM - 02:20 AM	46.7	44.9	04:55 AM - 05:00 AM	50.8	43.4
11:40 PM - 11:45 PM	51.9	47.0	02:20 AM - 02:25 AM	46.6	44.6	05:00 AM - 05:05 AM	46.5	43.6
11:45 PM - 11:50 PM	48.7	46.1	02:25 AM - 02:30 AM	49.5	44.6	05:05 AM - 05:10 AM	46.5	43.2
11:50 PM - 11:55 PM	50.3	45.4	02:30 AM - 02:35 AM	47.2	44.2	05:10 AM - 05:15 AM	48.8	44.9
11:55 PM - 12:00 AM	48.0	45.2	02:35 AM - 02:40 AM	49.4	44.4	05:15 AM - 05:20 AM	48.6	43.8
12:00 AM - 12:05 AM	52.6	46.1	02:40 AM - 02:45 AM	46.2	44.6	05:20 AM - 05:25 AM	53.2	43.5
12:05 AM - 12:10 AM	56.7	46.2	02:45 AM - 02:50 AM	46.7	44.8	05:25 AM - 05:30 AM	56.7	46.1
12:10 AM - 12:15 AM	56.2	46.0	02:50 AM - 02:55 AM	47.3	44.1	05:30 AM - 05:35 AM	55.6	44.3
12:15 AM - 12:20 AM	56.3	46.0	02:55 AM - 03:00 AM	46.8	44.1	05:35 AM - 05:40 AM	55.3	44.5
12:20 AM - 12:25 AM	50.0	46.5	03:00 AM - 03:05 AM	48.8	43.7	05:40 AM - 05:45 AM	54.4	45.3
12:25 AM - 12:30 AM	50.7	46.0	03:05 AM - 03:10 AM	45.2	43.0	05:45 AM - 05:50 AM	52.4	47.9
12:30 AM - 12:35 AM	47.1	45.2	03:10 AM - 03:15 AM	44.3	43.0	05:50 AM - 05:55 AM	52.2	47.4
12:35 AM - 12:40 AM	52.3	45.6	03:15 AM - 03:20 AM	45.0	43.2	05:55 AM - 06:00 AM	53.9	47.5

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756858-1

Page 3 of 3

Sample Number 2388814-8
Parameter Noise Level (Leq 5 min)
Location ถนนพหลโยธิน-ด่านพหล (GPS 47P 0735531, 1402769)
Measurement Date Aug 16 - Aug 17, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 17, 2023	Leq	L90	Aug 17, 2023	Leq	L90	Aug 17, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 AM - 06:05 AM	55.3	47.3	08:40 AM - 08:45 AM	57.9	49.7	11:20 AM - 11:25 AM	55.4	52.8
06:05 AM - 06:10 AM	54.0	48.8	08:45 AM - 08:50 AM	55.2	50.0	11:25 AM - 11:30 AM	54.4	50.9
06:10 AM - 06:15 AM	52.5	47.0	08:50 AM - 08:55 AM	51.9	49.0	11:30 AM - 11:35 AM	56.6	52.3
06:15 AM - 06:20 AM	53.1	48.7	08:55 AM - 09:00 AM	53.5	50.2	11:35 AM - 11:40 AM	58.6	52.2
06:20 AM - 06:25 AM	54.8	50.2	09:00 AM - 09:05 AM	52.4	48.9	11:40 AM - 11:45 AM	54.3	50.8
06:25 AM - 06:30 AM	56.8	51.9	09:05 AM - 09:10 AM	53.4	48.5	11:45 AM - 11:50 AM	53.9	50.2
06:30 AM - 06:35 AM	54.8	50.2	09:10 AM - 09:15 AM	53.3	48.0	11:50 AM - 11:55 AM	54.9	51.8
06:35 AM - 06:40 AM	53.2	48.5	09:15 AM - 09:20 AM	52.7	48.8	11:55 AM - 12:00 PM	54.9	50.5
06:40 AM - 06:45 AM	56.3	51.5	09:20 AM - 09:25 AM	51.4	47.9	12:00 PM - 12:05 PM	54.4	50.8
06:45 AM - 06:50 AM	55.6	51.7	09:25 AM - 09:30 AM	50.6	47.2	12:05 PM - 12:10 PM	53.5	50.2
06:50 AM - 06:55 AM	57.1	49.4	09:30 AM - 09:35 AM	51.5	48.4	12:10 PM - 12:15 PM	53.3	50.6
06:55 AM - 07:00 AM	57.3	52.1	09:35 AM - 09:40 AM	52.7	46.4	12:15 PM - 12:20 PM	54.6	50.5
07:00 AM - 07:05 AM	56.9	51.1	09:40 AM - 09:45 AM	50.2	46.7	12:20 PM - 12:25 PM	52.8	48.8
07:05 AM - 07:10 AM	57.3	49.0	09:45 AM - 09:50 AM	50.6	45.5	12:25 PM - 12:30 PM	54.0	49.3
07:10 AM - 07:15 AM	54.9	51.0	09:50 AM - 09:55 AM	50.0	46.8	12:30 PM - 12:35 PM	54.5	50.5
07:15 AM - 07:20 AM	56.3	51.6	09:55 AM - 10:00 AM	52.4	48.2	12:35 PM - 12:40 PM	53.8	50.9
07:20 AM - 07:25 AM	54.9	51.2	10:00 AM - 10:05 AM	50.1	45.4	12:40 PM - 12:45 PM	55.3	52.1
07:25 AM - 07:30 AM	56.5	49.7	10:05 AM - 10:10 AM	52.6	47.8	12:45 PM - 12:50 PM	55.0	50.5
07:30 AM - 07:35 AM	54.6	49.9	10:10 AM - 10:15 AM	54.0	49.3	12:50 PM - 12:55 PM	56.8	49.9
07:35 AM - 07:40 AM	57.0	51.2	10:15 AM - 10:20 AM	51.6	47.8	12:55 PM - 01:00 PM	56.1	50.6
07:40 AM - 07:45 AM	54.6	50.9	10:20 AM - 10:25 AM	51.7	48.0	01:00 PM - 01:05 PM	56.7	51.2
07:45 AM - 07:50 AM	56.2	50.8	10:25 AM - 10:30 AM	57.8	50.9	01:05 PM - 01:10 PM	55.8	52.3
07:50 AM - 07:55 AM	56.7	50.2	10:30 AM - 10:35 AM	55.0	52.0	01:10 PM - 01:15 PM	55.9	51.0
07:55 AM - 08:00 AM	54.7	51.5	10:35 AM - 10:40 AM	55.5	52.6	01:15 PM - 01:20 PM	55.1	50.4
08:00 AM - 08:05 AM	53.7	50.4	10:40 AM - 10:45 AM	57.4	52.3	01:20 PM - 01:25 PM	55.3	50.7
08:05 AM - 08:10 AM	54.6	49.3	10:45 AM - 10:50 AM	56.7	52.2	01:25 PM - 01:30 PM	54.6	49.6
08:10 AM - 08:15 AM	55.1	50.3	10:50 AM - 10:55 AM	55.8	52.4	01:30 PM - 01:35 PM	55.0	49.2
08:15 AM - 08:20 AM	55.2	50.8	10:55 AM - 11:00 AM	58.1	53.4	01:35 PM - 01:40 PM	56.5	53.1
08:20 AM - 08:25 AM	53.3	48.0	11:00 AM - 11:05 AM	57.2	54.2	01:40 PM - 01:45 PM	56.1	52.6
08:25 AM - 08:30 AM	53.9	49.7	11:05 AM - 11:10 AM	57.2	52.0	01:45 PM - 01:50 PM	55.0	52.3
08:30 AM - 08:35 AM	53.3	49.3	11:10 AM - 11:15 AM	55.2	51.9	01:50 PM - 01:55 PM	54.3	50.6
08:35 AM - 08:40 AM	53.4	49.7	11:15 AM - 11:20 AM	55.9	52.6	01:55 PM - 02:00 PM	54.0	50.5

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Approved by

Sarayuth Jitranont
Assistant General Manager

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

Life Sciences

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756859-1

Page 1 of 3

Sample Number 2388814-9
Parameter Noise Level (Leq 5 min)
Location ถนนพหลโยธิน-ด่านพหล (GPS 47P 0735531, 1402769)
Measurement Date Aug 17 - Aug 18, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 17, 2023	Leq	L90	Aug 17, 2023	Leq	L90	Aug 17, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	55.7	52.0	04:40 PM - 04:45 PM	56.3	51.7	07:20 PM - 07:25 PM	52.6	50.4
02:05 PM - 02:10 PM	56.1	53.9	04:45 PM - 04:50 PM	54.5	51.7	07:25 PM - 07:30 PM	55.1	49.7
02:10 PM - 02:15 PM	54.4	48.9	04:50 PM - 04:55 PM	56.2	51.6	07:30 PM - 07:35 PM	55.8	49.1
02:15 PM - 02:20 PM	54.8	50.6	04:55 PM - 05:00 PM	54.7	51.0	07:35 PM - 07:40 PM	55.3	48.5
02:20 PM - 02:25 PM	54.9	53.1	05:00 PM - 05:05 PM	54.5	50.7	07:40 PM - 07:45 PM	53.6	48.6
02:25 PM - 02:30 PM	54.6	50.8	05:05 PM - 05:10 PM	56.3	51.8	07:45 PM - 07:50 PM	53.9	50.1
02:30 PM - 02:35 PM	56.0	50.1	05:10 PM - 05:15 PM	56.6	52.9	07:50 PM - 07:55 PM	52.8	49.3
02:35 PM - 02:40 PM	51.9	49.1	05:15 PM - 05:20 PM	55.4	52.0	07:55 PM - 08:00 PM	55.7	48.9
02:40 PM - 02:45 PM	51.9	49.3	05:20 PM - 05:25 PM	58.6	51.1	08:00 PM - 08:05 PM	53.2	48.7
02:45 PM - 02:50 PM	51.7	48.8	05:25 PM - 05:30 PM	54.2	51.1	08:05 PM - 08:10 PM	52.5	49.4
02:50 PM - 02:55 PM	52.7	48.8	05:30 PM - 05:35 PM	54.2	52.0	08:10 PM - 08:15 PM	53.0	50.4
02:55 PM - 03:00 PM	54.9	49.1	05:35 PM - 05:40 PM	56.1	53.1	08:15 PM - 08:20 PM	53.9	49.8
03:00 PM - 03:05 PM	56.5	48.6	05:40 PM - 05:45 PM	54.4	52.5	08:20 PM - 08:25 PM	52.5	48.0
03:05 PM - 03:10 PM	52.4	47.3	05:45 PM - 05:50 PM	53.3	50.1	08:25 PM - 08:30 PM	53.4	48.9
03:10 PM - 03:15 PM	56.4	50.9	05:50 PM - 05:55 PM	55.8	50.8	08:30 PM - 08:35 PM	57.3	48.6
03:15 PM - 03:20 PM	52.6	48.0	05:55 PM - 06:00 PM	53.1	50.6	08:35 PM - 08:40 PM	52.4	47.3
03:20 PM - 03:25 PM	53.5	47.9	06:00 PM - 06:05 PM	69.0	51.3	08:40 PM - 08:45 PM	51.5	46.7
03:25 PM - 03:30 PM	53.9	48.9	06:05 PM - 06:10 PM	55.5	51.2	08:45 PM - 08:50 PM	53.0	47.2
03:30 PM - 03:35 PM	53.7	49.0	06:10 PM - 06:15 PM	55.5	52.0	08:50 PM - 08:55 PM	51.7	46.7
03:35 PM - 03:40 PM	53.6	48.9	06:15 PM - 06:20 PM	55.2	51.6	08:55 PM - 09:00 PM	50.4	48.4
03:40 PM - 03:45 PM	56.1	50.9	06:20 PM - 06:25 PM	56.6	51.1	09:00 PM - 09:05 PM	51.4	47.8
03:45 PM - 03:50 PM	54.3	49.9	06:25 PM - 06:30 PM	59.0	52.4	09:05 PM - 09:10 PM	51.2	49.0
03:50 PM - 03:55 PM	53.6	49.7	06:30 PM - 06:35 PM	55.9	49.5	09:10 PM - 09:15 PM	53.8	47.1
03:55 PM - 04:00 PM	54.1	50.5	06:35 PM - 06:40 PM	56.0	51.0	09:15 PM - 09:20 PM	55.8	47.1
04:00 PM - 04:05 PM	52.9	50.1	06:40 PM - 06:45 PM	55.1	50.3	09:20 PM - 09:25 PM	49.2	45.5
04:05 PM - 04:10 PM	54.3	50.5	06:45 PM - 06:50 PM	54.3	50.4	09:25 PM - 09:30 PM	48.6	45.4
04:10 PM - 04:15 PM	54.1	51.3	06:50 PM - 06:55 PM	53.8	49.4	09:30 PM - 09:35 PM	49.2	45.5
04:15 PM - 04:20 PM	55.9	49.9	06:55 PM - 07:00 PM	57.4	50.4	09:35 PM - 09:40 PM	50.1	44.9
04:20 PM - 04:25 PM	53.7	50.3	07:00 PM - 07:05 PM	54.1	49.9	09:40 PM - 09:45 PM	50.7	45.2
04:25 PM - 04:30 PM	55.0	50.8	07:05 PM - 07:10 PM	54.7	50.5	09:45 PM - 09:50 PM	54.0	45.1
04:30 PM - 04:35 PM	55.2	51.7	07:10 PM - 07:15 PM	55.7	51.1	09:50 PM - 09:55 PM	51.8	46.1
04:35 PM - 04:40 PM	55.6	51.5	07:15 PM - 07:20 PM	56.2	50.2	09:55 PM - 10:00 PM	51.8	45.2

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Sarayuth Jitranont
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756859-1

Page 2 of 3

Sample Number 2388814-9
Parameter Noise Level (Leq 5 min)
Location ชุมชนตลาดน้ำ-ลำน้ำประแส (GPS 47P 0735531, 1402769)
Measurement Date Aug 17 - Aug 18, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 17 - Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	50.3	47.0	12:40 AM - 12:45 AM	46.9	44.0	03:20 AM - 03:25 AM	44.8	42.7
10:05 PM - 10:10 PM	49.6	43.9	12:45 AM - 12:50 AM	48.7	44.0	03:25 AM - 03:30 AM	50.1	43.0
10:10 PM - 10:15 PM	49.9	43.6	12:50 AM - 12:55 AM	46.4	42.3	03:30 AM - 03:35 AM	45.3	42.1
10:15 PM - 10:20 PM	50.2	44.0	12:55 AM - 01:00 AM	45.8	43.1	03:35 AM - 03:40 AM	45.4	42.9
10:20 PM - 10:25 PM	51.3	44.3	01:00 AM - 01:05 AM	48.0	43.9	03:40 AM - 03:45 AM	45.2	43.0
10:25 PM - 10:30 PM	50.2	44.1	01:05 AM - 01:10 AM	47.0	43.5	03:45 AM - 03:50 AM	47.6	43.2
10:30 PM - 10:35 PM	48.4	44.5	01:10 AM - 01:15 AM	45.6	42.5	03:50 AM - 03:55 AM	48.9	42.6
10:35 PM - 10:40 PM	49.8	45.3	01:15 AM - 01:20 AM	45.1	41.9	03:55 AM - 04:00 AM	48.3	42.8
10:40 PM - 10:45 PM	51.2	45.1	01:20 AM - 01:25 AM	46.6	42.9	04:00 AM - 04:05 AM	44.9	42.2
10:45 PM - 10:50 PM	53.9	46.4	01:25 AM - 01:30 AM	48.8	43.2	04:05 AM - 04:10 AM	47.8	42.7
10:50 PM - 10:55 PM	48.2	44.7	01:30 AM - 01:35 AM	43.9	43.0	04:10 AM - 04:15 AM	54.2	43.3
10:55 PM - 11:00 PM	51.7	47.0	01:35 AM - 01:40 AM	46.7	42.4	04:15 AM - 04:20 AM	45.4	43.2
11:00 PM - 11:05 PM	48.2	44.8	01:40 AM - 01:45 AM	55.7	44.1	04:20 AM - 04:25 AM	44.5	42.3
11:05 PM - 11:10 PM	51.2	46.9	01:45 AM - 01:50 AM	57.5	44.0	04:25 AM - 04:30 AM	51.9	43.2
11:10 PM - 11:15 PM	49.3	46.9	01:50 AM - 01:55 AM	47.2	44.7	04:30 AM - 04:35 AM	47.8	43.2
11:15 PM - 11:20 PM	51.3	45.5	01:55 AM - 02:00 AM	46.4	43.3	04:35 AM - 04:40 AM	55.3	44.2
11:20 PM - 11:25 PM	50.7	46.1	02:00 AM - 02:05 AM	45.1	43.4	04:40 AM - 04:45 AM	53.4	43.3
11:25 PM - 11:30 PM	55.4	46.5	02:05 AM - 02:10 AM	46.0	43.6	04:45 AM - 04:50 AM	48.2	43.3
11:30 PM - 11:35 PM	49.4	44.0	02:10 AM - 02:15 AM	45.8	43.5	04:50 AM - 04:55 AM	53.0	43.1
11:35 PM - 11:40 PM	50.8	46.4	02:15 AM - 02:20 AM	44.8	43.5	04:55 AM - 05:00 AM	52.5	42.8
11:40 PM - 11:45 PM	54.1	46.8	02:20 AM - 02:25 AM	46.1	43.7	05:00 AM - 05:05 AM	49.6	44.0
11:45 PM - 11:50 PM	51.5	47.1	02:25 AM - 02:30 AM	47.0	43.3	05:05 AM - 05:10 AM	49.1	44.5
11:50 PM - 11:55 PM	48.5	45.9	02:30 AM - 02:35 AM	48.5	43.4	05:10 AM - 05:15 AM	56.9	44.0
11:55 PM - 12:00 AM	48.8	44.3	02:35 AM - 02:40 AM	47.3	43.6	05:15 AM - 05:20 AM	53.8	44.0
12:00 AM - 12:05 AM	50.0	45.5	02:40 AM - 02:45 AM	45.8	43.6	05:20 AM - 05:25 AM	49.2	43.5
12:05 AM - 12:10 AM	50.0	45.3	02:45 AM - 02:50 AM	45.9	43.5	05:25 AM - 05:30 AM	54.0	44.1
12:10 AM - 12:15 AM	51.7	45.9	02:50 AM - 02:55 AM	45.2	43.4	05:30 AM - 05:35 AM	57.5	45.9
12:15 AM - 12:20 AM	48.6	44.8	02:55 AM - 03:00 AM	44.7	42.8	05:35 AM - 05:40 AM	53.6	45.2
12:20 AM - 12:25 AM	49.5	44.8	03:00 AM - 03:05 AM	45.8	43.0	05:40 AM - 05:45 AM	55.0	46.0
12:25 AM - 12:30 AM	49.1	44.3	03:05 AM - 03:10 AM	45.3	42.9	05:45 AM - 05:50 AM	53.5	47.5
12:30 AM - 12:35 AM	48.7	44.0	03:10 AM - 03:15 AM	44.7	42.6	05:50 AM - 05:55 AM	54.4	48.9
12:35 AM - 12:40 AM	46.7	44.5	03:15 AM - 03:20 AM	48.5	42.8	05:55 AM - 06:00 AM	54.2	49.7

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Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756859-1

Page 3 of 3

Sample Number 2388814-9
Parameter Noise Level (Leq 5 min)
Location ชุมชนตลาดน้ำ-ลำน้ำประแส (GPS 47P 0735531, 1402769)
Measurement Date Aug 17 - Aug 18, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90	Aug 18, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 AM - 06:05 AM	53.4	47.9	08:40 AM - 08:45 AM	52.1	48.8	11:20 AM - 11:25 AM	53.3	47.8
06:05 AM - 06:10 AM	54.1	48.0	08:45 AM - 08:50 AM	53.1	47.6	11:25 AM - 11:30 AM	51.6	47.8
06:10 AM - 06:15 AM	51.8	48.0	08:50 AM - 08:55 AM	52.1	47.0	11:30 AM - 11:35 AM	50.5	46.5
06:15 AM - 06:20 AM	53.1	48.1	08:55 AM - 09:00 AM	54.0	46.4	11:35 AM - 11:40 AM	53.1	47.5
06:20 AM - 06:25 AM	53.7	48.0	09:00 AM - 09:05 AM	51.0	45.2	11:40 AM - 11:45 AM	53.1	46.9
06:25 AM - 06:30 AM	53.5	48.0	09:05 AM - 09:10 AM	52.4	46.5	11:45 AM - 11:50 AM	52.7	47.0
06:30 AM - 06:35 AM	55.4	48.2	09:10 AM - 09:15 AM	57.9	48.7	11:50 AM - 11:55 AM	53.0	47.6
06:35 AM - 06:40 AM	54.6	49.2	09:15 AM - 09:20 AM	52.7	48.6	11:55 AM - 12:00 PM	50.2	46.1
06:40 AM - 06:45 AM	54.3	50.6	09:20 AM - 09:25 AM	50.0	45.9	12:00 PM - 12:05 PM	52.5	46.0
06:45 AM - 06:50 AM	54.4	48.6	09:25 AM - 09:30 AM	50.9	46.9	12:05 PM - 12:10 PM	52.1	48.0
06:50 AM - 06:55 AM	54.8	50.5	09:30 AM - 09:35 AM	51.9	46.0	12:10 PM - 12:15 PM	52.8	47.1
06:55 AM - 07:00 AM	55.4	50.2	09:35 AM - 09:40 AM	50.6	46.9	12:15 PM - 12:20 PM	51.8	48.1
07:00 AM - 07:05 AM	56.6	51.5	09:40 AM - 09:45 AM	51.5	46.0	12:20 PM - 12:25 PM	52.0	49.1
07:05 AM - 07:10 AM	56.8	51.2	09:45 AM - 09:50 AM	52.5	46.7	12:25 PM - 12:30 PM	53.6	48.8
07:10 AM - 07:15 AM	53.9	50.6	09:50 AM - 09:55 AM	52.4	46.9	12:30 PM - 12:35 PM	55.2	46.2
07:15 AM - 07:20 AM	54.6	50.6	09:55 AM - 10:00 AM	51.7	46.4	12:35 PM - 12:40 PM	53.7	49.9
07:20 AM - 07:25 AM	53.7	49.8	10:00 AM - 10:05 AM	49.8	46.2	12:40 PM - 12:45 PM	54.2	49.6
07:25 AM - 07:30 AM	55.1	50.6	10:05 AM - 10:10 AM	50.2	46.1	12:45 PM - 12:50 PM	55.1	49.9
07:30 AM - 07:35 AM	56.4	50.5	10:10 AM - 10:15 AM	52.6	46.1	12:50 PM - 12:55 PM	52.8	49.6
07:35 AM - 07:40 AM	54.2	49.8	10:15 AM - 10:20 AM	49.4	44.6	12:55 PM - 01:00 PM	53.9	49.1
07:40 AM - 07:45 AM	55.3	48.6	10:20 AM - 10:25 AM	49.6	45.1	01:00 PM - 01:05 PM	53.0	49.9
07:45 AM - 07:50 AM	54.8	51.1	10:25 AM - 10:30 AM	49.7	44.8	01:05 PM - 01:10 PM	52.3	48.6
07:50 AM - 07:55 AM	54.7	46.9	10:30 AM - 10:35 AM	54.2	47.2	01:10 PM - 01:15 PM	53.4	50.0
07:55 AM - 08:00 AM	55.5	49.0	10:35 AM - 10:40 AM	50.0	46.1	01:15 PM - 01:20 PM	52.7	49.8
08:00 AM - 08:05 AM	52.8	45.5	10:40 AM - 10:45 AM	49.9	45.5	01:20 PM - 01:25 PM	52.2	49.1
08:05 AM - 08:10 AM	53.6	48.2	10:45 AM - 10:50 AM	50.7	46.3	01:25 PM - 01:30 PM	54.8	48.2
08:10 AM - 08:15 AM	53.0	47.6	10:50 AM - 10:55 AM	50.3	46.3	01:30 PM - 01:35 PM	53.7	47.9
08:15 AM - 08:20 AM	52.8	48.5	10:55 AM - 11:00 AM	50.5	45.5	01:35 PM - 01:40 PM	53.6	48.0
08:20 AM - 08:25 AM	52.6	48.1	11:00 AM - 11:05 AM	51.4	45.0	01:40 PM - 01:45 PM	51.4	48.0
08:25 AM - 08:30 AM	53.6	48.3	11:05 AM - 11:10 AM	53.1	46.6	01:45 PM - 01:50 PM	53.5	48.4
08:30 AM - 08:35 AM	51.4	48.0	11:10 AM - 11:15 AM	54.7	48.1	01:50 PM - 01:55 PM	51.4	48.5
08:35 AM - 08:40 AM	52.3	49.3	11:15 AM - 11:20 AM	53.2	47.2	01:55 PM - 02:00 PM	52.5	47.2

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Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756860-1

Page 1 of 3

Sample Number 2388814-10
Parameter Noise Level (Leq 5 min)
Location เขตอุตสาหกรรม-ท่าเรือ (GPS 47P 0735531, 1402769)
Measurement Date Aug 18 - Aug 19, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 18, 2023			Aug 18, 2023			Aug 18, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	52.6	47.4	04:40 PM - 04:45 PM	55.0	52.3	07:20 PM - 07:25 PM	52.3	49.9
02:05 PM - 02:10 PM	56.2	47.4	04:45 PM - 04:50 PM	55.9	51.3	07:25 PM - 07:30 PM	57.4	51.0
02:10 PM - 02:15 PM	55.5	48.9	04:50 PM - 04:55 PM	58.9	50.6	07:30 PM - 07:35 PM	52.7	50.3
02:15 PM - 02:20 PM	49.3	46.2	04:55 PM - 05:00 PM	54.4	50.4	07:35 PM - 07:40 PM	53.8	50.5
02:20 PM - 02:25 PM	55.5	45.3	05:00 PM - 05:05 PM	56.0	52.2	07:40 PM - 07:45 PM	54.9	49.2
02:25 PM - 02:30 PM	49.1	45.4	05:05 PM - 05:10 PM	56.4	51.5	07:45 PM - 07:50 PM	55.3	48.6
02:30 PM - 02:35 PM	48.6	45.5	05:10 PM - 05:15 PM	54.9	51.9	07:50 PM - 07:55 PM	52.2	48.9
02:35 PM - 02:40 PM	48.2	45.6	05:15 PM - 05:20 PM	53.6	50.3	07:55 PM - 08:00 PM	53.4	49.3
02:40 PM - 02:45 PM	49.1	45.8	05:20 PM - 05:25 PM	58.4	51.4	08:00 PM - 08:05 PM	55.1	48.5
02:45 PM - 02:50 PM	50.9	47.0	05:25 PM - 05:30 PM	54.0	50.7	08:05 PM - 08:10 PM	56.5	50.7
02:50 PM - 02:55 PM	51.0	47.1	05:30 PM - 05:35 PM	53.5	50.1	08:10 PM - 08:15 PM	53.0	50.1
02:55 PM - 03:00 PM	51.5	47.8	05:35 PM - 05:40 PM	55.4	51.0	08:15 PM - 08:20 PM	53.3	50.0
03:00 PM - 03:05 PM	51.9	46.9	05:40 PM - 05:45 PM	53.4	50.6	08:20 PM - 08:25 PM	54.4	48.1
03:05 PM - 03:10 PM	50.6	46.9	05:45 PM - 05:50 PM	58.8	50.5	08:25 PM - 08:30 PM	51.4	48.5
03:10 PM - 03:15 PM	51.8	48.2	05:50 PM - 05:55 PM	52.8	49.2	08:30 PM - 08:35 PM	53.5	48.9
03:15 PM - 03:20 PM	52.8	48.6	05:55 PM - 06:00 PM	53.1	49.8	08:35 PM - 08:40 PM	53.1	47.4
03:20 PM - 03:25 PM	51.3	47.9	06:00 PM - 06:05 PM	55.7	50.3	08:40 PM - 08:45 PM	52.4	47.7
03:25 PM - 03:30 PM	53.8	49.7	06:05 PM - 06:10 PM	69.7	50.3	08:45 PM - 08:50 PM	50.1	45.7
03:30 PM - 03:35 PM	52.7	48.7	06:10 PM - 06:15 PM	62.3	51.2	08:50 PM - 08:55 PM	49.7	46.5
03:35 PM - 03:40 PM	56.7	48.1	06:15 PM - 06:20 PM	57.2	50.7	08:55 PM - 09:00 PM	50.6	45.9
03:40 PM - 03:45 PM	51.6	48.6	06:20 PM - 06:25 PM	56.1	50.0	09:00 PM - 09:05 PM	50.0	46.0
03:45 PM - 03:50 PM	52.4	49.4	06:25 PM - 06:30 PM	54.3	50.1	09:05 PM - 09:10 PM	52.3	47.2
03:50 PM - 03:55 PM	54.9	49.9	06:30 PM - 06:35 PM	54.5	49.4	09:10 PM - 09:15 PM	52.1	46.0
03:55 PM - 04:00 PM	53.2	48.8	06:35 PM - 06:40 PM	55.1	50.2	09:15 PM - 09:20 PM	50.8	46.6
04:00 PM - 04:05 PM	52.3	49.1	06:40 PM - 06:45 PM	54.6	50.8	09:20 PM - 09:25 PM	51.0	46.3
04:05 PM - 04:10 PM	52.8	49.7	06:45 PM - 06:50 PM	53.1	49.3	09:25 PM - 09:30 PM	49.5	45.4
04:10 PM - 04:15 PM	54.1	49.5	06:50 PM - 06:55 PM	54.7	49.3	09:30 PM - 09:35 PM	61.2	45.2
04:15 PM - 04:20 PM	53.5	49.3	06:55 PM - 07:00 PM	52.1	48.8	09:35 PM - 09:40 PM	53.7	46.0
04:20 PM - 04:25 PM	53.8	49.9	07:00 PM - 07:05 PM	53.6	50.7	09:40 PM - 09:45 PM	56.7	45.7
04:25 PM - 04:30 PM	54.6	50.7	07:05 PM - 07:10 PM	54.3	50.3	09:45 PM - 09:50 PM	50.3	45.5
04:30 PM - 04:35 PM	57.0	52.4	07:10 PM - 07:15 PM	53.6	50.9	09:50 PM - 09:55 PM	51.0	45.5
04:35 PM - 04:40 PM	54.9	51.2	07:15 PM - 07:20 PM	55.9	50.2	09:55 PM - 10:00 PM	47.5	44.2

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756860-1

Page 2 of 3

Sample Number 2388814-10
Parameter Noise Level (Leq 5 min)
Location เขตอุตสาหกรรม-ท่าเรือ (GPS 47P 0735531, 1402769)
Measurement Date Aug 18 - Aug 19, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 18 - Aug 19, 2023			Aug 19, 2023			Aug 19, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	51.7	44.8	12:40 AM - 12:45 AM	54.3	44.7	03:20 AM - 03:25 AM	45.6	41.6
10:05 PM - 10:10 PM	49.8	44.7	12:45 AM - 12:50 AM	48.2	44.8	03:25 AM - 03:30 AM	45.2	42.6
10:10 PM - 10:15 PM	51.6	46.1	12:50 AM - 12:55 AM	47.4	45.2	03:30 AM - 03:35 AM	43.1	41.8
10:15 PM - 10:20 PM	48.4	44.9	12:55 AM - 01:00 AM	55.8	45.2	03:35 AM - 03:40 AM	44.5	41.6
10:20 PM - 10:25 PM	56.6	46.1	01:00 AM - 01:05 AM	48.9	44.8	03:40 AM - 03:45 AM	46.7	41.8
10:25 PM - 10:30 PM	50.3	46.1	01:05 AM - 01:10 AM	49.4	44.9	03:45 AM - 03:50 AM	54.7	43.0
10:30 PM - 10:35 PM	51.8	45.9	01:10 AM - 01:15 AM	51.7	44.8	03:50 AM - 03:55 AM	49.7	42.0
10:35 PM - 10:40 PM	53.0	45.7	01:15 AM - 01:20 AM	47.3	44.7	03:55 AM - 04:00 AM	45.0	41.5
10:40 PM - 10:45 PM	49.0	45.6	01:20 AM - 01:25 AM	47.4	44.5	04:00 AM - 04:05 AM	44.9	41.4
10:45 PM - 10:50 PM	51.2	45.1	01:25 AM - 01:30 AM	48.0	46.1	04:05 AM - 04:10 AM	43.7	41.5
10:50 PM - 10:55 PM	48.6	44.8	01:30 AM - 01:35 AM	47.4	44.7	04:10 AM - 04:15 AM	53.8	42.3
10:55 PM - 11:00 PM	50.5	45.3	01:35 AM - 01:40 AM	47.2	44.4	04:15 AM - 04:20 AM	47.6	41.9
11:00 PM - 11:05 PM	49.4	45.1	01:40 AM - 01:45 AM	46.3	44.6	04:20 AM - 04:25 AM	45.3	42.0
11:05 PM - 11:10 PM	48.0	44.7	01:45 AM - 01:50 AM	48.1	45.2	04:25 AM - 04:30 AM	46.6	42.0
11:10 PM - 11:15 PM	48.8	45.2	01:50 AM - 01:55 AM	44.6	42.7	04:30 AM - 04:35 AM	47.1	41.2
11:15 PM - 11:20 PM	48.3	45.2	01:55 AM - 02:00 AM	46.8	43.0	04:35 AM - 04:40 AM	53.5	42.2
11:20 PM - 11:25 PM	60.2	44.5	02:00 AM - 02:05 AM	49.8	45.7	04:40 AM - 04:45 AM	52.4	43.2
11:25 PM - 11:30 PM	51.7	45.2	02:05 AM - 02:10 AM	48.6	44.6	04:45 AM - 04:50 AM	50.0	42.6
11:30 PM - 11:35 PM	49.4	44.6	02:10 AM - 02:15 AM	45.8	44.1	04:50 AM - 04:55 AM	54.8	43.9
11:35 PM - 11:40 PM	50.1	45.0	02:15 AM - 02:20 AM	46.4	43.9	04:55 AM - 05:00 AM	51.2	43.7
11:40 PM - 11:45 PM	48.4	44.8	02:20 AM - 02:25 AM	51.5	43.4	05:00 AM - 05:05 AM	56.1	43.6
11:45 PM - 11:50 PM	49.7	44.5	02:25 AM - 02:30 AM	54.7	43.4	05:05 AM - 05:10 AM	55.2	42.6
11:50 PM - 11:55 PM	51.8	44.4	02:30 AM - 02:35 AM	53.7	43.8	05:10 AM - 05:15 AM	56.3	43.6
11:55 PM - 12:00 AM	48.2	44.0	02:35 AM - 02:40 AM	44.0	43.2	05:15 AM - 05:20 AM	56.3	42.9
12:00 AM - 12:05 AM	51.9	43.7	02:40 AM - 02:45 AM	45.1	43.3	05:20 AM - 05:25 AM	47.3	42.9
12:05 AM - 12:10 AM	50.4	44.3	02:45 AM - 02:50 AM	45.0	43.0	05:25 AM - 05:30 AM	51.7	45.2
12:10 AM - 12:15 AM	52.0	43.7	02:50 AM - 02:55 AM	43.8	42.1	05:30 AM - 05:35 AM	55.2	44.4
12:15 AM - 12:20 AM	49.3	44.2	02:55 AM - 03:00 AM	55.1	42.6	05:35 AM - 05:40 AM	55.3	44.3
12:20 AM - 12:25 AM	50.9	44.8	03:00 AM - 03:05 AM	49.2	43.4	05:40 AM - 05:45 AM	53.3	44.8
12:25 AM - 12:30 AM	48.2	44.3	03:05 AM - 03:10 AM	59.2	42.8	05:45 AM - 05:50 AM	51.6	46.5
12:30 AM - 12:35 AM	47.4	44.6	03:10 AM - 03:15 AM	49.6	42.6	05:50 AM - 05:55 AM	54.7	47.8
12:35 AM - 12:40 AM	46.5	44.2	03:15 AM - 03:20 AM	45.2	42.2	05:55 AM - 06:00 AM	52.0	47.3

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received :Aug 23, 2023

Date Reported :Sep 05, 2023

Report Number : 2756860-1

Page 3 of 3

Sample Number 2388814-10
Parameter Noise Level (Leq 5 min)
Location มณฑลฉะเชิงเทรา-ตำบลบางปะกง (GPS 47P 0735531, 1402769)
Measurement Date Aug 18 - Aug 19, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 19, 2023	Leq	L90	Aug 19, 2023	Leq	L90	Aug 19, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 AM - 06:05 AM	55.6	48.0	08:40 AM - 08:45 AM	49.1	43.7	11:20 AM - 11:25 AM	53.6	46.8
06:05 AM - 06:10 AM	52.9	48.8	08:45 AM - 08:50 AM	50.7	43.6	11:25 AM - 11:30 AM	55.0	45.9
06:10 AM - 06:15 AM	53.2	49.3	08:50 AM - 08:55 AM	51.4	44.8	11:30 AM - 11:35 AM	52.6	49.1
06:15 AM - 06:20 AM	54.9	50.2	08:55 AM - 09:00 AM	51.1	46.0	11:35 AM - 11:40 AM	52.7	46.6
06:20 AM - 06:25 AM	54.2	48.1	09:00 AM - 09:05 AM	52.1	44.6	11:40 AM - 11:45 AM	53.0	46.9
06:25 AM - 06:30 AM	53.6	48.1	09:05 AM - 09:10 AM	48.0	44.5	11:45 AM - 11:50 AM	54.4	46.8
06:30 AM - 06:35 AM	53.2	48.6	09:10 AM - 09:15 AM	51.0	45.8	11:50 AM - 11:55 AM	49.7	46.8
06:35 AM - 06:40 AM	53.6	48.1	09:15 AM - 09:20 AM	50.6	45.5	11:55 AM - 12:00 PM	50.9	46.5
06:40 AM - 06:45 AM	52.2	47.6	09:20 AM - 09:25 AM	52.9	45.1	12:00 PM - 12:05 PM	51.2	46.7
06:45 AM - 06:50 AM	54.9	49.1	09:25 AM - 09:30 AM	51.9	45.8	12:05 PM - 12:10 PM	52.5	47.8
06:50 AM - 06:55 AM	57.1	48.1	09:30 AM - 09:35 AM	50.1	45.1	12:10 PM - 12:15 PM	53.7	46.2
06:55 AM - 07:00 AM	55.7	49.7	09:35 AM - 09:40 AM	49.7	44.5	12:15 PM - 12:20 PM	51.8	48.0
07:00 AM - 07:05 AM	55.7	46.4	09:40 AM - 09:45 AM	52.9	45.7	12:20 PM - 12:25 PM	51.8	46.8
07:05 AM - 07:10 AM	53.3	48.8	09:45 AM - 09:50 AM	54.4	44.2	12:25 PM - 12:30 PM	52.3	47.4
07:10 AM - 07:15 AM	53.0	47.8	09:50 AM - 09:55 AM	53.1	45.8	12:30 PM - 12:35 PM	50.4	47.2
07:15 AM - 07:20 AM	55.5	48.8	09:55 AM - 10:00 AM	52.3	45.8	12:35 PM - 12:40 PM	50.8	46.5
07:20 AM - 07:25 AM	53.7	49.3	10:00 AM - 10:05 AM	50.0	43.7	12:40 PM - 12:45 PM	53.0	44.2
07:25 AM - 07:30 AM	53.7	47.2	10:05 AM - 10:10 AM	51.4	45.3	12:45 PM - 12:50 PM	55.6	47.9
07:30 AM - 07:35 AM	52.9	47.6	10:10 AM - 10:15 AM	49.4	43.1	12:50 PM - 12:55 PM	54.5	45.6
07:35 AM - 07:40 AM	57.1	46.3	10:15 AM - 10:20 AM	50.0	44.5	12:55 PM - 01:00 PM	50.8	46.7
07:40 AM - 07:45 AM	56.5	50.5	10:20 AM - 10:25 AM	47.9	45.2	01:00 PM - 01:05 PM	51.0	46.1
07:45 AM - 07:50 AM	53.4	47.7	10:25 AM - 10:30 AM	51.2	45.7	01:05 PM - 01:10 PM	51.1	47.2
07:50 AM - 07:55 AM	56.2	46.2	10:30 AM - 10:35 AM	54.9	46.7	01:10 PM - 01:15 PM	50.8	45.9
07:55 AM - 08:00 AM	52.9	47.0	10:35 AM - 10:40 AM	49.6	46.2	01:15 PM - 01:20 PM	50.9	47.3
08:00 AM - 08:05 AM	52.6	45.9	10:40 AM - 10:45 AM	51.4	46.5	01:20 PM - 01:25 PM	49.7	45.4
08:05 AM - 08:10 AM	52.5	46.9	10:45 AM - 10:50 AM	50.0	45.9	01:25 PM - 01:30 PM	51.1	47.1
08:10 AM - 08:15 AM	53.1	48.6	10:50 AM - 10:55 AM	49.7	45.7	01:30 PM - 01:35 PM	51.9	45.7
08:15 AM - 08:20 AM	51.0	44.1	10:55 AM - 11:00 AM	49.7	45.6	01:35 PM - 01:40 PM	49.9	44.7
08:20 AM - 08:25 AM	51.6	45.0	11:00 AM - 11:05 AM	51.5	45.7	01:40 PM - 01:45 PM	54.1	44.6
08:25 AM - 08:30 AM	53.8	44.3	11:05 AM - 11:10 AM	54.0	47.7	01:45 PM - 01:50 PM	50.8	45.8
08:30 AM - 08:35 AM	49.2	42.7	11:10 AM - 11:15 AM	55.8	46.8	01:50 PM - 01:55 PM	51.2	47.0
08:35 AM - 08:40 AM	52.2	45.5	11:15 AM - 11:20 AM	54.4	46.7	01:55 PM - 02:00 PM	50.0	45.1

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received :Aug 23, 2023

Date Reported :Sep 05, 2023

Report Number : 2756861-1

Page 1 of 3

Sample Number 2388814-11
Parameter Noise Level (Leq 5 min)
Location มณฑลฉะเชิงเทรา-ตำบลบางปะกง (GPS 47P 0735531, 1402769)
Measurement Date Aug 19 - Aug 20, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 19, 2023	Leq	L90	Aug 19, 2023	Leq	L90	Aug 19, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	56.7	50.3	04:40 PM - 04:45 PM	55.2	51.9	07:20 PM - 07:25 PM	53.0	47.6
02:05 PM - 02:10 PM	51.3	47.8	04:45 PM - 04:50 PM	55.4	52.4	07:25 PM - 07:30 PM	51.6	48.2
02:10 PM - 02:15 PM	58.5	49.4	04:50 PM - 04:55 PM	55.8	51.3	07:30 PM - 07:35 PM	51.7	47.8
02:15 PM - 02:20 PM	52.7	48.9	04:55 PM - 05:00 PM	55.9	50.6	07:35 PM - 07:40 PM	52.3	48.2
02:20 PM - 02:25 PM	55.3	50.1	05:00 PM - 05:05 PM	54.9	51.1	07:40 PM - 07:45 PM	52.0	48.0
02:25 PM - 02:30 PM	54.3	49.0	05:05 PM - 05:10 PM	55.9	51.3	07:45 PM - 07:50 PM	49.9	47.2
02:30 PM - 02:35 PM	55.0	49.7	05:10 PM - 05:15 PM	55.9	52.0	07:50 PM - 07:55 PM	59.6	48.4
02:35 PM - 02:40 PM	54.3	50.8	05:15 PM - 05:20 PM	55.4	50.5	07:55 PM - 08:00 PM	51.3	48.0
02:40 PM - 02:45 PM	55.5	50.5	05:20 PM - 05:25 PM	55.8	52.0	08:00 PM - 08:05 PM	52.2	47.3
02:45 PM - 02:50 PM	54.6	50.4	05:25 PM - 05:30 PM	53.5	50.8	08:05 PM - 08:10 PM	53.0	46.9
02:50 PM - 02:55 PM	53.5	49.8	05:30 PM - 05:35 PM	53.9	50.5	08:10 PM - 08:15 PM	50.8	47.0
02:55 PM - 03:00 PM	54.2	50.1	05:35 PM - 05:40 PM	53.5	49.9	08:15 PM - 08:20 PM	51.3	48.8
03:00 PM - 03:05 PM	52.7	49.6	05:40 PM - 05:45 PM	53.3	50.6	08:20 PM - 08:25 PM	51.0	47.7
03:05 PM - 03:10 PM	52.0	48.8	05:45 PM - 05:50 PM	54.7	50.9	08:25 PM - 08:30 PM	50.6	47.7
03:10 PM - 03:15 PM	53.8	49.6	05:50 PM - 05:55 PM	54.7	50.8	08:30 PM - 08:35 PM	51.8	47.6
03:15 PM - 03:20 PM	54.2	47.2	05:55 PM - 06:00 PM	52.8	49.7	08:35 PM - 08:40 PM	50.9	47.4
03:20 PM - 03:25 PM	52.1	48.6	06:00 PM - 06:05 PM	53.0	50.5	08:40 PM - 08:45 PM	49.8	45.6
03:25 PM - 03:30 PM	52.0	48.7	06:05 PM - 06:10 PM	53.5	50.3	08:45 PM - 08:50 PM	51.3	47.8
03:30 PM - 03:35 PM	55.2	48.8	06:10 PM - 06:15 PM	57.1	50.2	08:50 PM - 08:55 PM	50.7	47.5
03:35 PM - 03:40 PM	53.1	48.7	06:15 PM - 06:20 PM	57.4	50.9	08:55 PM - 09:00 PM	61.1	46.6
03:40 PM - 03:45 PM	59.0	51.4	06:20 PM - 06:25 PM	53.4	50.5	09:00 PM - 09:05 PM	51.6	46.4
03:45 PM - 03:50 PM	58.4	50.1	06:25 PM - 06:30 PM	53.7	51.1	09:05 PM - 09:10 PM	53.0	47.0
03:50 PM - 03:55 PM	53.8	48.9	06:30 PM - 06:35 PM	55.7	50.7	09:10 PM - 09:15 PM	50.2	47.3
03:55 PM - 04:00 PM	52.7	49.3	06:35 PM - 06:40 PM	52.7	49.8	09:15 PM - 09:20 PM	58.6	48.3
04:00 PM - 04:05 PM	55.7	48.9	06:40 PM - 06:45 PM	53.0	49.4	09:20 PM - 09:25 PM	53.2	47.1
04:05 PM - 04:10 PM	55.4	50.3	06:45 PM - 06:50 PM	53.6	48.6	09:25 PM - 09:30 PM	51.9	48.0
04:10 PM - 04:15 PM	54.9	51.5	06:50 PM - 06:55 PM	53.4	48.8	09:30 PM - 09:35 PM	57.1	49.0
04:15 PM - 04:20 PM	54.9	51.5	06:55 PM - 07:00 PM	56.3	49.6	09:35 PM - 09:40 PM	54.0	48.8
04:20 PM - 04:25 PM	56.9	50.9	07:00 PM - 07:05 PM	52.4	48.4	09:40 PM - 09:45 PM	52.5	47.7
04:25 PM - 04:30 PM	55.5	52.3	07:05 PM - 07:10 PM	53.2	48.4	09:45 PM - 09:50 PM	56.7	47.8
04:30 PM - 04:35 PM	53.4	50.1	07:10 PM - 07:15 PM	52.9	49.0	09:50 PM - 09:55 PM	58.4	48.4
04:35 PM - 04:40 PM	56.6	51.7	07:15 PM - 07:20 PM	53.0	48.6	09:55 PM - 10:00 PM	52.8	47.9

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Approved by

Sarayuth Jitranont
Assistant General Manager

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756861-1

Page 2 of 3

Sample Number 2388814-11
Parameter Noise Level (Leq 5 min)
Location ชุมชนอุตสาหกรรม-ถาวรประดู่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 19 - Aug 20, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 19 - Aug 20, 2023	Leq	L90	Aug 20, 2023	Leq	L90	Aug 20, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	51.3	48.1	12:40 AM - 12:45 AM	48.3	46.4	03:20 AM - 03:25 AM	45.5	43.3
10:05 PM - 10:10 PM	53.1	47.7	12:45 AM - 12:50 AM	51.7	46.0	03:25 AM - 03:30 AM	55.9	43.7
10:10 PM - 10:15 PM	57.7	48.4	12:50 AM - 12:55 AM	50.4	45.5	03:30 AM - 03:35 AM	48.7	43.1
10:15 PM - 10:20 PM	51.2	46.6	12:55 AM - 01:00 AM	50.8	45.9	03:35 AM - 03:40 AM	46.1	43.2
10:20 PM - 10:25 PM	54.3	47.8	01:00 AM - 01:05 AM	49.8	47.2	03:40 AM - 03:45 AM	47.1	43.6
10:25 PM - 10:30 PM	49.5	45.7	01:05 AM - 01:10 AM	49.5	46.7	03:45 AM - 03:50 AM	55.8	45.4
10:30 PM - 10:35 PM	50.8	45.7	01:10 AM - 01:15 AM	50.0	46.7	03:50 AM - 03:55 AM	54.3	46.1
10:35 PM - 10:40 PM	51.8	46.9	01:15 AM - 01:20 AM	48.0	46.4	03:55 AM - 04:00 AM	46.2	44.0
10:40 PM - 10:45 PM	50.0	46.2	01:20 AM - 01:25 AM	52.2	46.2	04:00 AM - 04:05 AM	46.2	43.8
10:45 PM - 10:50 PM	51.5	46.5	01:25 AM - 01:30 AM	50.6	45.5	04:05 AM - 04:10 AM	53.8	44.3
10:50 PM - 10:55 PM	52.7	45.3	01:30 AM - 01:35 AM	52.9	44.9	04:10 AM - 04:15 AM	46.0	43.9
10:55 PM - 11:00 PM	50.6	46.2	01:35 AM - 01:40 AM	49.7	45.6	04:15 AM - 04:20 AM	53.6	43.9
11:00 PM - 11:05 PM	52.9	46.5	01:40 AM - 01:45 AM	54.6	45.2	04:20 AM - 04:25 AM	52.3	42.8
11:05 PM - 11:10 PM	51.1	47.4	01:45 AM - 01:50 AM	48.7	45.3	04:25 AM - 04:30 AM	46.2	43.5
11:10 PM - 11:15 PM	49.7	47.2	01:50 AM - 01:55 AM	47.1	44.1	04:30 AM - 04:35 AM	48.5	43.7
11:15 PM - 11:20 PM	51.5	47.7	01:55 AM - 02:00 AM	46.2	44.6	04:35 AM - 04:40 AM	47.0	43.2
11:20 PM - 11:25 PM	52.0	47.3	02:00 AM - 02:05 AM	47.3	45.5	04:40 AM - 04:45 AM	52.0	42.9
11:25 PM - 11:30 PM	51.9	47.7	02:05 AM - 02:10 AM	47.5	46.1	04:45 AM - 04:50 AM	54.5	43.9
11:30 PM - 11:35 PM	52.1	47.6	02:10 AM - 02:15 AM	47.4	45.7	04:50 AM - 04:55 AM	53.2	44.0
11:35 PM - 11:40 PM	50.4	47.9	02:15 AM - 02:20 AM	47.2	45.4	04:55 AM - 05:00 AM	51.3	43.9
11:40 PM - 11:45 PM	52.4	47.5	02:20 AM - 02:25 AM	47.1	45.1	05:00 AM - 05:05 AM	47.0	44.1
11:45 PM - 11:50 PM	49.2	46.6	02:25 AM - 02:30 AM	50.0	45.1	05:05 AM - 05:10 AM	47.0	43.7
11:50 PM - 11:55 PM	50.8	45.9	02:30 AM - 02:35 AM	47.7	44.7	05:10 AM - 05:15 AM	49.3	45.4
11:55 PM - 12:00 AM	48.5	45.7	02:35 AM - 02:40 AM	49.9	44.9	05:15 AM - 05:20 AM	49.1	44.3
12:00 AM - 12:05 AM	53.1	46.6	02:40 AM - 02:45 AM	46.7	45.1	05:20 AM - 05:25 AM	53.7	44.0
12:05 AM - 12:10 AM	57.2	46.7	02:45 AM - 02:50 AM	47.2	45.3	05:25 AM - 05:30 AM	57.2	46.6
12:10 AM - 12:15 AM	56.7	46.5	02:50 AM - 02:55 AM	47.8	44.6	05:30 AM - 05:35 AM	56.1	44.8
12:15 AM - 12:20 AM	56.8	46.5	02:55 AM - 03:00 AM	47.3	44.6	05:35 AM - 05:40 AM	55.8	45.0
12:20 AM - 12:25 AM	50.5	47.0	03:00 AM - 03:05 AM	49.3	44.2	05:40 AM - 05:45 AM	54.9	45.8
12:25 AM - 12:30 AM	51.2	46.5	03:05 AM - 03:10 AM	45.7	43.5	05:45 AM - 05:50 AM	52.9	48.4
12:30 AM - 12:35 AM	47.6	45.7	03:10 AM - 03:15 AM	44.8	43.5	05:50 AM - 05:55 AM	52.7	47.9
12:35 AM - 12:40 AM	52.8	46.1	03:15 AM - 03:20 AM	45.5	43.7	05:55 AM - 06:00 AM	54.4	48.0

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756861-1

Page 3 of 3

Sample Number 2388814-11
Parameter Noise Level (Leq 5 min)
Location ชุมชนอุตสาหกรรม-ถาวรประดู่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 19 - Aug 20, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 20, 2023	Leq	L90	Aug 20, 2023	Leq	L90	Aug 20, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 AM - 06:05 AM	55.8	47.8	08:40 AM - 08:45 AM	58.7	50.5	11:20 AM - 11:25 AM	56.1	53.5
06:05 AM - 06:10 AM	54.5	49.3	08:45 AM - 08:50 AM	56.0	50.8	11:25 AM - 11:30 AM	55.1	51.6
06:10 AM - 06:15 AM	53.0	47.5	08:50 AM - 08:55 AM	52.7	49.8	11:30 AM - 11:35 AM	57.3	53.0
06:15 AM - 06:20 AM	53.6	49.2	08:55 AM - 09:00 AM	54.3	51.0	11:35 AM - 11:40 AM	59.3	52.9
06:20 AM - 06:25 AM	55.3	50.7	09:00 AM - 09:05 AM	53.2	49.7	11:40 AM - 11:45 AM	55.0	51.5
06:25 AM - 06:30 AM	57.3	52.4	09:05 AM - 09:10 AM	54.2	49.3	11:45 AM - 11:50 AM	54.6	50.9
06:30 AM - 06:35 AM	55.3	50.7	09:10 AM - 09:15 AM	54.1	48.8	11:50 AM - 11:55 AM	55.4	52.3
06:35 AM - 06:40 AM	53.7	49.0	09:15 AM - 09:20 AM	53.5	49.6	11:55 AM - 12:00 PM	55.4	51.0
06:40 AM - 06:45 AM	56.8	52.0	09:20 AM - 09:25 AM	52.2	48.7	12:00 PM - 12:05 PM	54.9	51.3
06:45 AM - 06:50 AM	56.1	52.2	09:25 AM - 09:30 AM	51.4	48.0	12:05 PM - 12:10 PM	54.0	50.7
06:50 AM - 06:55 AM	57.6	49.9	09:30 AM - 09:35 AM	52.3	49.2	12:10 PM - 12:15 PM	53.8	51.1
06:55 AM - 07:00 AM	57.8	52.6	09:35 AM - 09:40 AM	53.4	47.1	12:15 PM - 12:20 PM	55.1	51.0
07:00 AM - 07:05 AM	57.4	51.6	09:40 AM - 09:45 AM	50.9	47.4	12:20 PM - 12:25 PM	53.3	49.3
07:05 AM - 07:10 AM	57.8	49.5	09:45 AM - 09:50 AM	51.3	46.2	12:25 PM - 12:30 PM	54.5	49.8
07:10 AM - 07:15 AM	55.4	51.5	09:50 AM - 09:55 AM	50.7	47.5	12:30 PM - 12:35 PM	55.0	51.0
07:15 AM - 07:20 AM	57.1	52.4	09:55 AM - 10:00 AM	53.1	48.9	12:35 PM - 12:40 PM	54.3	51.4
07:20 AM - 07:25 AM	55.7	52.0	10:00 AM - 10:05 AM	50.8	46.1	12:40 PM - 12:45 PM	55.8	52.6
07:25 AM - 07:30 AM	57.3	50.5	10:05 AM - 10:10 AM	53.3	48.5	12:45 PM - 12:50 PM	55.5	51.0
07:30 AM - 07:35 AM	55.4	50.7	10:10 AM - 10:15 AM	54.7	50.0	12:50 PM - 12:55 PM	57.3	50.4
07:35 AM - 07:40 AM	57.8	52.0	10:15 AM - 10:20 AM	52.3	48.5	12:55 PM - 01:00 PM	56.6	51.1
07:40 AM - 07:45 AM	54.4	51.7	10:20 AM - 10:25 AM	52.4	48.7	01:00 PM - 01:05 PM	57.2	51.7
07:45 AM - 07:50 AM	57.0	51.6	10:25 AM - 10:30 AM	58.5	51.6	01:05 PM - 01:10 PM	56.3	52.8
07:50 AM - 07:55 AM	57.5	51.0	10:30 AM - 10:35 AM	55.7	52.7	01:10 PM - 01:15 PM	56.4	51.5
07:55 AM - 08:00 AM	55.5	52.3	10:35 AM - 10:40 AM	56.2	53.3	01:15 PM - 01:20 PM	55.6	50.9
08:00 AM - 08:05 AM	54.5	51.2	10:40 AM - 10:45 AM	58.1	53.0	01:20 PM - 01:25 PM	55.8	51.2
08:05 AM - 08:10 AM	57.4	50.1	10:45 AM - 10:50 AM	57.4	52.9	01:25 PM - 01:30 PM	55.1	50.1
08:10 AM - 08:15 AM	55.9	51.1	10:50 AM - 10:55 AM	56.5	53.1	01:30 PM - 01:35 PM	55.5	49.7
08:15 AM - 08:20 AM	56.0	51.6	10:55 AM - 11:00 AM	58.8	54.1	01:35 PM - 01:40 PM	57.0	53.6
08:20 AM - 08:25 AM	54.1	48.8	11:00 AM - 11:05 AM	57.9	54.9	01:40 PM - 01:45 PM	56.6	53.1
08:25 AM - 08:30 AM	54.7	50.5	11:05 AM - 11:10 AM	57.9	52.7	01:45 PM - 01:50 PM	55.5	52.8
08:30 AM - 08:35 AM	54.1	50.1	11:10 AM - 11:15 AM	55.9	52.6	01:50 PM - 01:55 PM	54.8	51.1
08:35 AM - 08:40 AM	54.2	50.5	11:15 AM - 11:20 AM	56.6	53.3	01:55 PM - 02:00 PM	54.5	51.0

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756862-1

Page 1 of 3

Sample Number 2388814-12
Parameter Noise Level (Leq 5 min)
Location หนองนาคราช-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date Aug 20 - Aug 21, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 20, 2023	Leq	L90	Aug 20, 2023	Leq	L90	Aug 20, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	53.9	45.0	04:40 PM - 04:45 PM	56.1	51.3	07:20 PM - 07:25 PM	52.9	48.9
02:05 PM - 02:10 PM	55.9	48.7	04:45 PM - 04:50 PM	56.9	50.5	07:25 PM - 07:30 PM	53.9	50.4
02:10 PM - 02:15 PM	54.8	47.2	04:50 PM - 04:55 PM	53.7	49.6	07:30 PM - 07:35 PM	54.3	49.5
02:15 PM - 02:20 PM	52.9	45.6	04:55 PM - 05:00 PM	59.2	50.5	07:35 PM - 07:40 PM	54.6	48.7
02:20 PM - 02:25 PM	52.0	45.7	05:00 PM - 05:05 PM	56.8	50.6	07:40 PM - 07:45 PM	53.5	49.6
02:25 PM - 02:30 PM	50.4	44.5	05:05 PM - 05:10 PM	56.1	51.5	07:45 PM - 07:50 PM	53.0	49.2
02:30 PM - 02:35 PM	49.6	45.6	05:10 PM - 05:15 PM	54.3	51.2	07:50 PM - 07:55 PM	52.7	49.1
02:35 PM - 02:40 PM	51.2	46.7	05:15 PM - 05:20 PM	53.9	49.8	07:55 PM - 08:00 PM	53.0	49.3
02:40 PM - 02:45 PM	49.4	45.3	05:20 PM - 05:25 PM	56.0	49.9	08:00 PM - 08:05 PM	52.9	49.7
02:45 PM - 02:50 PM	49.9	44.4	05:25 PM - 05:30 PM	52.9	49.7	08:05 PM - 08:10 PM	54.1	49.8
02:50 PM - 02:55 PM	49.2	46.1	05:30 PM - 05:35 PM	63.1	49.9	08:10 PM - 08:15 PM	56.7	50.2
02:55 PM - 03:00 PM	51.8	46.8	05:35 PM - 05:40 PM	68.7	49.5	08:15 PM - 08:20 PM	53.5	49.5
03:00 PM - 03:05 PM	54.5	46.5	05:40 PM - 05:45 PM	59.5	50.7	08:20 PM - 08:25 PM	52.7	50.4
03:05 PM - 03:10 PM	50.4	45.1	05:45 PM - 05:50 PM	54.6	50.5	08:25 PM - 08:30 PM	51.2	48.5
03:10 PM - 03:15 PM	51.0	46.3	05:50 PM - 05:55 PM	54.3	49.1	08:30 PM - 08:35 PM	51.7	49.2
03:15 PM - 03:20 PM	51.3	47.1	05:55 PM - 06:00 PM	55.9	50.0	08:35 PM - 08:40 PM	53.6	48.8
03:20 PM - 03:25 PM	49.4	44.9	06:00 PM - 06:05 PM	58.3	50.2	08:40 PM - 08:45 PM	51.1	47.6
03:25 PM - 03:30 PM	52.0	44.9	06:05 PM - 06:10 PM	53.8	48.5	08:45 PM - 08:50 PM	52.2	47.1
03:30 PM - 03:35 PM	53.9	45.5	06:10 PM - 06:15 PM	54.1	50.4	08:50 PM - 08:55 PM	50.1	47.6
03:35 PM - 03:40 PM	49.4	44.7	06:15 PM - 06:20 PM	54.8	49.9	08:55 PM - 09:00 PM	50.6	46.4
03:40 PM - 03:45 PM	51.5	45.4	06:20 PM - 06:25 PM	53.4	49.9	09:00 PM - 09:05 PM	52.0	48.1
03:45 PM - 03:50 PM	55.4	46.5	06:25 PM - 06:30 PM	54.8	50.1	09:05 PM - 09:10 PM	50.3	47.7
03:50 PM - 03:55 PM	49.7	46.4	06:30 PM - 06:35 PM	53.8	51.0	09:10 PM - 09:15 PM	53.0	48.0
03:55 PM - 04:00 PM	50.9	46.7	06:35 PM - 06:40 PM	53.6	49.1	09:15 PM - 09:20 PM	50.5	47.8
04:00 PM - 04:05 PM	56.6	46.9	06:40 PM - 06:45 PM	52.3	48.4	09:20 PM - 09:25 PM	53.0	48.6
04:05 PM - 04:10 PM	53.5	49.4	06:45 PM - 06:50 PM	52.1	48.1	09:25 PM - 09:30 PM	51.3	47.6
04:10 PM - 04:15 PM	50.7	46.5	06:50 PM - 06:55 PM	53.1	48.8	09:30 PM - 09:35 PM	51.1	47.4
04:15 PM - 04:20 PM	52.2	48.6	06:55 PM - 07:00 PM	54.3	48.4	09:35 PM - 09:40 PM	50.8	47.9
04:20 PM - 04:25 PM	53.6	48.8	07:00 PM - 07:05 PM	53.4	48.7	09:40 PM - 09:45 PM	51.8	47.4
04:25 PM - 04:30 PM	53.6	49.5	07:05 PM - 07:10 PM	53.6	49.7	09:45 PM - 09:50 PM	50.0	47.6
04:30 PM - 04:35 PM	54.6	49.4	07:10 PM - 07:15 PM	54.1	50.8	09:50 PM - 09:55 PM	56.1	46.3
04:35 PM - 04:40 PM	56.0	50.2	07:15 PM - 07:20 PM	55.8	50.0	09:55 PM - 10:00 PM	58.0	47.1

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756862-1

Page 2 of 3

Sample Number 2388814-12
Parameter Noise Level (Leq 5 min)
Location หนองนาคราช-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date Aug 20 - Aug 21, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 20 - Aug 21, 2023	Leq	L90	Aug 21, 2023	Leq	L90	Aug 21, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	49.8	46.8	12:40 AM - 12:45 AM	56.6	44.1	03:20 AM - 03:25 AM	46.5	41.9
10:05 PM - 10:10 PM	54.8	47.8	12:45 AM - 12:50 AM	47.1	43.7	03:25 AM - 03:30 AM	50.2	40.7
10:10 PM - 10:15 PM	52.7	47.8	12:50 AM - 12:55 AM	45.4	43.3	03:30 AM - 03:35 AM	43.3	40.8
10:15 PM - 10:20 PM	52.6	48.3	12:55 AM - 01:00 AM	48.2	42.9	03:35 AM - 03:40 AM	56.9	41.4
10:20 PM - 10:25 PM	49.9	47.1	01:00 AM - 01:05 AM	59.4	42.6	03:40 AM - 03:45 AM	44.6	41.5
10:25 PM - 10:30 PM	53.5	47.9	01:05 AM - 01:10 AM	46.5	42.4	03:45 AM - 03:50 AM	44.3	41.7
10:30 PM - 10:35 PM	50.9	47.6	01:10 AM - 01:15 AM	45.9	43.2	03:50 AM - 03:55 AM	54.5	42.2
10:35 PM - 10:40 PM	53.2	47.6	01:15 AM - 01:20 AM	48.1	44.0	03:55 AM - 04:00 AM	48.1	42.3
10:40 PM - 10:45 PM	50.4	46.7	01:20 AM - 01:25 AM	47.1	43.6	04:00 AM - 04:05 AM	44.9	41.4
10:45 PM - 10:50 PM	52.1	47.0	01:25 AM - 01:30 AM	45.7	42.6	04:05 AM - 04:10 AM	45.8	41.3
10:50 PM - 10:55 PM	51.9	46.6	01:30 AM - 01:35 AM	45.2	42.0	04:10 AM - 04:15 AM	47.1	41.9
10:55 PM - 11:00 PM	51.1	47.1	01:35 AM - 01:40 AM	46.7	43.0	04:15 AM - 04:20 AM	57.9	42.2
11:00 PM - 11:05 PM	50.0	46.8	01:40 AM - 01:45 AM	48.9	43.3	04:20 AM - 04:25 AM	49.8	41.5
11:05 PM - 11:10 PM	50.7	47.8	01:45 AM - 01:50 AM	46.3	43.4	04:25 AM - 04:30 AM	47.9	41.5
11:10 PM - 11:15 PM	51.9	47.5	01:50 AM - 01:55 AM	46.5	43.1	04:30 AM - 04:35 AM	47.1	42.1
11:15 PM - 11:20 PM	51.7	46.5	01:55 AM - 02:00 AM	45.7	43.0	04:35 AM - 04:40 AM	47.5	42.5
11:20 PM - 11:25 PM	52.8	48.2	02:00 AM - 02:05 AM	45.4	43.1	04:40 AM - 04:45 AM	55.0	42.6
11:25 PM - 11:30 PM	50.3	46.8	02:05 AM - 02:10 AM	52.4	43.3	04:45 AM - 04:50 AM	55.4	42.1
11:30 PM - 11:35 PM	50.3	46.1	02:10 AM - 02:15 AM	46.0	42.9	04:50 AM - 04:55 AM	48.8	41.2
11:35 PM - 11:40 PM	52.4	46.2	02:15 AM - 02:20 AM	45.2	42.8	04:55 AM - 05:00 AM	57.1	42.9
11:40 PM - 11:45 PM	48.7	44.7	02:20 AM - 02:25 AM	55.4	43.7	05:00 AM - 05:05 AM	45.6	40.9
11:45 PM - 11:50 PM	50.7	45.2	02:25 AM - 02:30 AM	46.2	43.0	05:05 AM - 05:10 AM	53.5	40.6
11:50 PM - 11:55 PM	49.1	44.0	02:30 AM - 02:35 AM	46.7	43.0	05:10 AM - 05:15 AM	52.3	42.7
11:55 PM - 12:00 AM	52.7	45.9	02:35 AM - 02:40 AM	46.8	43.0	05:15 AM - 05:20 AM	51.6	40.3
12:00 AM - 12:05 AM	51.0	45.8	02:40 AM - 02:45 AM	48.5	42.7	05:20 AM - 05:25 AM	53.2	40.6
12:05 AM - 12:10 AM	50.5	45.7	02:45 AM - 02:50 AM	45.0	42.3	05:25 AM - 05:30 AM	48.2	41.4
12:10 AM - 12:15 AM	53.2	44.6	02:50 AM - 02:55 AM	45.5	41.9	05:30 AM - 05:35 AM	56.0	42.2
12:15 AM - 12:20 AM	54.3	44.8	02:55 AM - 03:00 AM	44.3	41.1	05:35 AM - 05:40 AM	56.6	43.9
12:20 AM - 12:25 AM	49.7	44.2	03:00 AM - 03:05 AM	52.4	42.3	05:40 AM - 05:45 AM	53.2	42.6
12:25 AM - 12:30 AM	51.1	44.0	03:05 AM - 03:10 AM	51.0	41.2	05:45 AM - 05:50 AM	52.2	42.7
12:30 AM - 12:35 AM	50.0	44.3	03:10 AM - 03:15 AM	47.9	42.0	05:50 AM - 05:55 AM	48.6	43.9
12:35 AM - 12:40 AM	47.7	44.6	03:15 AM - 03:20 AM	47.0	41.6	05:55 AM - 06:00 AM	50.9	45.6

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756862-1

Page 3 of 3

Sample Number 2388814-12
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร-ด่านพระตู่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 20 - Aug 21, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 21, 2023			Aug 21, 2023			Aug 21, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	49.9	45.5	08:40 AM - 08:45 AM	52.8	47.2	11:20 AM - 11:25 AM	51.8	48.4
06:05 AM - 06:10 AM	50.3	45.7	08:45 AM - 08:50 AM	51.8	46.9	11:25 AM - 11:30 AM	56.0	47.9
06:10 AM - 06:15 AM	54.3	47.0	08:50 AM - 08:55 AM	54.8	48.8	11:30 AM - 11:35 AM	51.3	46.6
06:15 AM - 06:20 AM	50.4	44.4	08:55 AM - 09:00 AM	53.6	46.9	11:35 AM - 11:40 AM	55.5	49.3
06:20 AM - 06:25 AM	52.1	46.4	09:00 AM - 09:05 AM	52.4	46.6	11:40 AM - 11:45 AM	53.6	47.3
06:25 AM - 06:30 AM	52.4	45.4	09:05 AM - 09:10 AM	51.1	47.6	11:45 AM - 11:50 AM	51.1	46.9
06:30 AM - 06:35 AM	50.3	43.4	09:10 AM - 09:15 AM	60.2	55.3	11:50 AM - 11:55 AM	51.5	47.2
06:35 AM - 06:40 AM	54.9	46.6	09:15 AM - 09:20 AM	57.3	53.2	11:55 AM - 12:00 PM	55.6	48.2
06:40 AM - 06:45 AM	54.7	46.3	09:20 AM - 09:25 AM	66.8	55.1	12:00 PM - 12:05 PM	52.9	47.9
06:45 AM - 06:50 AM	54.5	46.1	09:25 AM - 09:30 AM	68.9	60.3	12:05 PM - 12:10 PM	56.6	49.2
06:50 AM - 06:55 AM	54.4	45.9	09:30 AM - 09:35 AM	65.6	53.9	12:10 PM - 12:15 PM	51.7	48.7
06:55 AM - 07:00 AM	57.6	49.8	09:35 AM - 09:40 AM	65.3	52.6	12:15 PM - 12:20 PM	54.6	49.6
07:00 AM - 07:05 AM	58.9	47.6	09:40 AM - 09:45 AM	57.1	54.1	12:20 PM - 12:25 PM	55.8	50.8
07:05 AM - 07:10 AM	54.1	49.2	09:45 AM - 09:50 AM	59.6	56.4	12:25 PM - 12:30 PM	56.5	51.4
07:10 AM - 07:15 AM	55.8	49.3	09:50 AM - 09:55 AM	54.3	49.5	12:30 PM - 12:35 PM	54.4	49.0
07:15 AM - 07:20 AM	58.1	50.5	09:55 AM - 10:00 AM	53.5	49.7	12:35 PM - 12:40 PM	51.3	49.3
07:20 AM - 07:25 AM	51.8	47.0	10:00 AM - 10:05 AM	54.2	48.1	12:40 PM - 12:45 PM	53.7	49.8
07:25 AM - 07:30 AM	52.0	46.5	10:05 AM - 10:10 AM	54.3	48.6	12:45 PM - 12:50 PM	55.0	49.0
07:30 AM - 07:35 AM	53.1	46.9	10:10 AM - 10:15 AM	52.8	48.3	12:50 PM - 12:55 PM	52.5	49.0
07:35 AM - 07:40 AM	50.5	45.7	10:15 AM - 10:20 AM	54.4	47.6	12:55 PM - 01:00 PM	51.4	48.0
07:40 AM - 07:45 AM	52.1	46.0	10:20 AM - 10:25 AM	53.1	49.5	01:00 PM - 01:05 PM	53.3	48.7
07:45 AM - 07:50 AM	52.7	44.9	10:25 AM - 10:30 AM	54.6	49.7	01:05 PM - 01:10 PM	52.6	47.9
07:50 AM - 07:55 AM	52.3	46.9	10:30 AM - 10:35 AM	52.9	49.1	01:10 PM - 01:15 PM	54.8	51.0
07:55 AM - 08:00 AM	51.2	46.7	10:35 AM - 10:40 AM	52.7	49.3	01:15 PM - 01:20 PM	56.1	52.0
08:00 AM - 08:05 AM	53.8	47.2	10:40 AM - 10:45 AM	58.9	49.4	01:20 PM - 01:25 PM	56.6	52.4
08:05 AM - 08:10 AM	50.9	45.9	10:45 AM - 10:50 AM	53.9	49.2	01:25 PM - 01:30 PM	57.7	53.2
08:10 AM - 08:15 AM	54.6	49.4	10:50 AM - 10:55 AM	52.7	48.0	01:30 PM - 01:35 PM	54.0	48.1
08:15 AM - 08:20 AM	53.1	46.3	10:55 AM - 11:00 AM	54.4	47.7	01:35 PM - 01:40 PM	55.8	51.0
08:20 AM - 08:25 AM	52.4	45.8	11:00 AM - 11:05 AM	53.7	48.0	01:40 PM - 01:45 PM	54.3	49.9
08:25 AM - 08:30 AM	53.3	47.2	11:05 AM - 11:10 AM	53.2	48.0	01:45 PM - 01:50 PM	53.0	47.6
08:30 AM - 08:35 AM	54.1	47.1	11:10 AM - 11:15 AM	52.2	47.8	01:50 PM - 01:55 PM	54.6	48.9
08:35 AM - 08:40 AM	61.1	48.7	11:15 AM - 11:20 AM	54.0	46.5	01:55 PM - 02:00 PM	57.1	52.2

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756863-1

Page 1 of 3

Sample Number 2388814-13
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร-ด่านพระตู่ (GPS 47P 0735531, 1402769)
Measurement Date Aug 21 - Aug 22, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 21, 2023			Aug 21, 2023			Aug 21, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	53.4	49.4	04:40 PM - 04:45 PM	55.7	49.6	07:20 PM - 07:25 PM	62.6	48.4
02:05 PM - 02:10 PM	54.5	48.4	04:45 PM - 04:50 PM	53.7	50.3	07:25 PM - 07:30 PM	56.8	49.7
02:10 PM - 02:15 PM	56.6	48.4	04:50 PM - 04:55 PM	53.8	50.7	07:30 PM - 07:35 PM	53.1	48.6
02:15 PM - 02:20 PM	52.9	49.6	04:55 PM - 05:00 PM	53.2	49.4	07:35 PM - 07:40 PM	53.6	48.9
02:20 PM - 02:25 PM	50.8	45.7	05:00 PM - 05:05 PM	53.8	49.4	07:40 PM - 07:45 PM	53.5	49.7
02:25 PM - 02:30 PM	51.0	46.1	05:05 PM - 05:10 PM	57.0	50.5	07:45 PM - 07:50 PM	53.9	49.3
02:30 PM - 02:35 PM	52.6	46.1	05:10 PM - 05:15 PM	53.1	49.5	07:50 PM - 07:55 PM	56.2	49.3
02:35 PM - 02:40 PM	52.8	46.8	05:15 PM - 05:20 PM	56.1	50.2	07:55 PM - 08:00 PM	53.4	47.8
02:40 PM - 02:45 PM	52.5	45.5	05:20 PM - 05:25 PM	55.7	49.2	08:00 PM - 08:05 PM	56.0	48.9
02:45 PM - 02:50 PM	54.7	46.5	05:25 PM - 05:30 PM	54.1	49.5	08:05 PM - 08:10 PM	53.7	49.0
02:50 PM - 02:55 PM	50.7	46.9	05:30 PM - 05:35 PM	53.5	49.8	08:10 PM - 08:15 PM	60.9	51.3
02:55 PM - 03:00 PM	51.8	46.9	05:35 PM - 05:40 PM	54.8	50.1	08:15 PM - 08:20 PM	56.1	50.1
03:00 PM - 03:05 PM	51.1	46.9	05:40 PM - 05:45 PM	55.4	50.7	08:20 PM - 08:25 PM	59.3	48.3
03:05 PM - 03:10 PM	56.2	47.6	05:45 PM - 05:50 PM	56.3	49.8	08:25 PM - 08:30 PM	51.4	48.1
03:10 PM - 03:15 PM	52.5	47.4	05:50 PM - 05:55 PM	58.6	49.6	08:30 PM - 08:35 PM	52.6	48.6
03:15 PM - 03:20 PM	53.8	48.5	05:55 PM - 06:00 PM	56.5	49.5	08:35 PM - 08:40 PM	52.4	48.9
03:20 PM - 03:25 PM	53.3	46.6	06:00 PM - 06:05 PM	55.7	49.3	08:40 PM - 08:45 PM	54.0	49.0
03:25 PM - 03:30 PM	54.9	47.3	06:05 PM - 06:10 PM	53.6	50.0	08:45 PM - 08:50 PM	54.8	47.3
03:30 PM - 03:35 PM	52.5	49.0	06:10 PM - 06:15 PM	56.5	50.4	08:50 PM - 08:55 PM	51.5	47.9
03:35 PM - 03:40 PM	52.8	48.2	06:15 PM - 06:20 PM	56.0	48.6	08:55 PM - 09:00 PM	57.9	48.2
03:40 PM - 03:45 PM	53.3	50.2	06:20 PM - 06:25 PM	55.7	49.9	09:00 PM - 09:05 PM	54.4	47.4
03:45 PM - 03:50 PM	54.8	52.6	06:25 PM - 06:30 PM	55.1	49.5	09:05 PM - 09:10 PM	53.2	47.4
03:50 PM - 03:55 PM	55.1	49.7	06:30 PM - 06:35 PM	53.7	50.3	09:10 PM - 09:15 PM	50.4	46.8
03:55 PM - 04:00 PM	55.1	50.3	06:35 PM - 06:40 PM	56.9	48.9	09:15 PM - 09:20 PM	52.8	46.7
04:00 PM - 04:05 PM	55.7	50.0	06:40 PM - 06:45 PM	54.7	50.5	09:20 PM - 09:25 PM	50.9	46.6
04:05 PM - 04:10 PM	51.6	49.0	06:45 PM - 06:50 PM	53.3	49.4	09:25 PM - 09:30 PM	50.2	46.2
04:10 PM - 04:15 PM	54.4	49.7	06:50 PM - 06:55 PM	57.5	51.8	09:30 PM - 09:35 PM	52.0	46.5
04:15 PM - 04:20 PM	56.0	48.1	06:55 PM - 07:00 PM	57.0	53.6	09:35 PM - 09:40 PM	57.4	45.9
04:20 PM - 04:25 PM	53.6	49.3	07:00 PM - 07:05 PM	54.5	50.5	09:40 PM - 09:45 PM	50.4	46.7
04:25 PM - 04:30 PM	57.1	51.7	07:05 PM - 07:10 PM	56.4	49.1	09:45 PM - 09:50 PM	50.9	46.6
04:30 PM - 04:35 PM	54.0	49.9	07:10 PM - 07:15 PM	53.1	49.6	09:50 PM - 09:55 PM	49.7	45.0
04:35 PM - 04:40 PM	58.2	49.4	07:15 PM - 07:20 PM	53.1	50.3	09:55 PM - 10:00 PM	48.8	44.6

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Sarayuth Jitranont
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756863-1

Page 2 of 3

Sample Number 2388814-13
Parameter Noise Level (Leq 5 min)
Location ชุมชนตาพรุ-ด่านประทุ (GPS 47P 0735531, 1402769)
Measurement Date Aug 21 - Aug 22, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 21 - Aug 22, 2023	Leq	L90	Aug 22, 2023	Leq	L90	Aug 22, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	55.4	44.4	12:40 AM - 12:45 AM	48.5	45.3	03:20 AM - 03:25 AM	44.9	42.5
10:05 PM - 10:10 PM	51.0	44.4	12:45 AM - 12:50 AM	47.8	44.9	03:25 AM - 03:30 AM	45.0	42.4
10:10 PM - 10:15 PM	52.5	43.2	12:50 AM - 12:55 AM	49.9	44.2	03:30 AM - 03:35 AM	43.3	42.1
10:15 PM - 10:20 PM	47.8	42.7	12:55 AM - 01:00 AM	47.1	44.3	03:35 AM - 03:40 AM	45.8	42.2
10:20 PM - 10:25 PM	49.0	43.6	01:00 AM - 01:05 AM	46.9	44.8	03:40 AM - 03:45 AM	44.6	42.3
10:25 PM - 10:30 PM	50.0	45.0	01:05 AM - 01:10 AM	48.4	44.8	03:45 AM - 03:50 AM	53.2	41.9
10:30 PM - 10:35 PM	55.3	44.0	01:10 AM - 01:15 AM	48.6	45.8	03:50 AM - 03:55 AM	52.2	43.4
10:35 PM - 10:40 PM	52.2	45.7	01:15 AM - 01:20 AM	48.7	45.6	03:55 AM - 04:00 AM	43.6	42.4
10:40 PM - 10:45 PM	47.9	44.6	01:20 AM - 01:25 AM	49.1	46.2	04:00 AM - 04:05 AM	47.7	42.4
10:45 PM - 10:50 PM	49.3	44.9	01:25 AM - 01:30 AM	52.9	46.2	04:05 AM - 04:10 AM	44.7	41.2
10:50 PM - 10:55 PM	51.1	43.6	01:30 AM - 01:35 AM	48.1	45.0	04:10 AM - 04:15 AM	45.9	42.6
10:55 PM - 11:00 PM	48.7	43.4	01:35 AM - 01:40 AM	47.3	45.4	04:15 AM - 04:20 AM	47.9	44.2
11:00 PM - 11:05 PM	46.8	44.1	01:40 AM - 01:45 AM	47.6	45.0	04:20 AM - 04:25 AM	47.3	43.8
11:05 PM - 11:10 PM	48.1	43.3	01:45 AM - 01:50 AM	48.0	44.8	04:25 AM - 04:30 AM	45.9	42.9
11:10 PM - 11:15 PM	49.2	44.3	01:50 AM - 01:55 AM	47.2	45.3	04:30 AM - 04:35 AM	53.7	41.8
11:15 PM - 11:20 PM	49.8	44.4	01:55 AM - 02:00 AM	47.7	45.5	04:35 AM - 04:40 AM	49.5	40.5
11:20 PM - 11:25 PM	48.9	44.6	02:00 AM - 02:05 AM	48.6	45.5	04:40 AM - 04:45 AM	45.3	41.6
11:25 PM - 11:30 PM	49.0	43.6	02:05 AM - 02:10 AM	47.7	45.3	04:45 AM - 04:50 AM	43.4	40.8
11:30 PM - 11:35 PM	49.2	43.1	02:10 AM - 02:15 AM	47.6	45.1	04:50 AM - 04:55 AM	47.5	41.6
11:35 PM - 11:40 PM	50.6	45.2	02:15 AM - 02:20 AM	46.3	44.0	04:55 AM - 05:00 AM	49.0	44.9
11:40 PM - 11:45 PM	57.2	45.9	02:20 AM - 02:25 AM	44.8	43.2	05:00 AM - 05:05 AM	47.8	45.8
11:45 PM - 11:50 PM	51.2	45.8	02:25 AM - 02:30 AM	47.0	43.2	05:05 AM - 05:10 AM	49.2	46.0
11:50 PM - 11:55 PM	48.3	45.2	02:30 AM - 02:35 AM	44.3	43.0	05:10 AM - 05:15 AM	47.4	44.9
11:55 PM - 12:00 AM	53.3	45.5	02:35 AM - 02:40 AM	44.4	43.4	05:15 AM - 05:20 AM	55.8	44.1
12:00 AM - 12:05 AM	50.7	45.8	02:40 AM - 02:45 AM	45.2	43.8	05:20 AM - 05:25 AM	53.4	47.6
12:05 AM - 12:10 AM	49.5	45.7	02:45 AM - 02:50 AM	46.2	43.7	05:25 AM - 05:30 AM	51.4	49.6
12:10 AM - 12:15 AM	47.7	45.5	02:50 AM - 02:55 AM	56.1	45.3	05:30 AM - 05:35 AM	56.0	50.3
12:15 AM - 12:20 AM	47.5	44.7	02:55 AM - 03:00 AM	48.0	43.2	05:35 AM - 05:40 AM	53.8	52.2
12:20 AM - 12:25 AM	49.4	45.0	03:00 AM - 03:05 AM	45.2	44.0	05:40 AM - 05:45 AM	55.0	52.8
12:25 AM - 12:30 AM	48.9	44.8	03:05 AM - 03:10 AM	46.3	42.3	05:45 AM - 05:50 AM	56.2	51.8
12:30 AM - 12:35 AM	50.5	45.3	03:10 AM - 03:15 AM	45.6	42.2	05:50 AM - 05:55 AM	54.2	50.7
12:35 AM - 12:40 AM	46.6	44.9	03:15 AM - 03:20 AM	45.6	43.2	05:55 AM - 06:00 AM	54.2	51.1

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Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756863-1

Page 3 of 3

Sample Number 2388814-13
Parameter Noise Level (Leq 5 min)
Location ชุมชนตาพรุ-ด่านประทุ (GPS 47P 0735531, 1402769)
Measurement Date Aug 21 - Aug 22, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 22, 2023	Leq	L90	Aug 22, 2023	Leq	L90	Aug 22, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 AM - 06:05 AM	54.6	50.0	08:40 AM - 08:45 AM	55.3	51.1	11:20 AM - 11:25 AM	54.4	45.6
06:05 AM - 06:10 AM	55.9	53.0	08:45 AM - 08:50 AM	55.1	52.1	11:25 AM - 11:30 AM	53.0	46.3
06:10 AM - 06:15 AM	56.9	54.7	08:50 AM - 08:55 AM	52.9	51.5	11:30 AM - 11:35 AM	52.5	45.7
06:15 AM - 06:20 AM	57.6	54.2	08:55 AM - 09:00 AM	53.8	51.9	11:35 AM - 11:40 AM	54.5	44.9
06:20 AM - 06:25 AM	56.1	53.9	09:00 AM - 09:05 AM	54.7	52.3	11:40 AM - 11:45 AM	50.9	45.2
06:25 AM - 06:30 AM	56.8	53.4	09:05 AM - 09:10 AM	56.4	53.8	11:45 AM - 11:50 AM	52.3	47.1
06:30 AM - 06:35 AM	58.5	53.0	09:10 AM - 09:15 AM	54.8	52.8	11:50 AM - 11:55 AM	52.6	47.8
06:35 AM - 06:40 AM	56.2	52.3	09:15 AM - 09:20 AM	55.8	53.7	11:55 AM - 12:00 PM	52.7	46.7
06:40 AM - 06:45 AM	55.1	50.1	09:20 AM - 09:25 AM	54.9	53.2	12:00 PM - 12:05 PM	59.8	50.5
06:45 AM - 06:50 AM	57.3	51.6	09:25 AM - 09:30 AM	55.0	51.5	12:05 PM - 12:10 PM	59.3	50.4
06:50 AM - 06:55 AM	54.7	49.7	09:30 AM - 09:35 AM	52.3	49.6	12:10 PM - 12:15 PM	55.3	50.1
06:55 AM - 07:00 AM	55.2	51.1	09:35 AM - 09:40 AM	53.2	50.3	12:15 PM - 12:20 PM	53.6	46.9
07:00 AM - 07:05 AM	54.0	49.4	09:40 AM - 09:45 AM	52.6	49.1	12:20 PM - 12:25 PM	50.8	44.3
07:05 AM - 07:10 AM	54.9	50.2	09:45 AM - 09:50 AM	53.0	47.4	12:25 PM - 12:30 PM	50.4	46.1
07:10 AM - 07:15 AM	55.2	50.0	09:50 AM - 09:55 AM	56.3	47.5	12:30 PM - 12:35 PM	51.7	47.0
07:15 AM - 07:20 AM	54.6	51.0	09:55 AM - 10:00 AM	57.4	48.4	12:35 PM - 12:40 PM	51.4	45.6
07:20 AM - 07:25 AM	55.6	51.1	10:00 AM - 10:05 AM	54.8	47.6	12:40 PM - 12:45 PM	57.4	46.6
07:25 AM - 07:30 AM	55.1	50.3	10:05 AM - 10:10 AM	56.3	47.4	12:45 PM - 12:50 PM	59.8	49.2
07:30 AM - 07:35 AM	53.8	50.9	10:10 AM - 10:15 AM	57.3	47.1	12:50 PM - 12:55 PM	53.1	47.6
07:35 AM - 07:40 AM	54.3	51.0	10:15 AM - 10:20 AM	55.6	45.2	12:55 PM - 01:00 PM	50.5	46.4
07:40 AM - 07:45 AM	54.7	52.4	10:20 AM - 10:25 AM	51.5	44.8	01:00 PM - 01:05 PM	53.4	48.5
07:45 AM - 07:50 AM	53.8	50.2	10:25 AM - 10:30 AM	54.1	45.6	01:05 PM - 01:10 PM	51.9	47.4
07:50 AM - 07:55 AM	55.9	51.9	10:30 AM - 10:35 AM	51.1	44.7	01:10 PM - 01:15 PM	53.3	47.1
07:55 AM - 08:00 AM	57.3	52.0	10:35 AM - 10:40 AM	51.4	46.3	01:15 PM - 01:20 PM	51.7	47.0
08:00 AM - 08:05 AM	52.5	48.4	10:40 AM - 10:45 AM	52.6	46.5	01:20 PM - 01:25 PM	54.8	49.0
08:05 AM - 08:10 AM	54.5	49.4	10:45 AM - 10:50 AM	53.2	47.0	01:25 PM - 01:30 PM	49.5	46.8
08:10 AM - 08:15 AM	55.1	50.8	10:50 AM - 10:55 AM	50.5	45.3	01:30 PM - 01:35 PM	52.9	47.6
08:15 AM - 08:20 AM	63.0	58.0	10:55 AM - 11:00 AM	50.4	43.2	01:35 PM - 01:40 PM	51.7	46.8
08:20 AM - 08:25 AM	63.3	58.4	11:00 AM - 11:05 AM	50.5	46.3	01:40 PM - 01:45 PM	61.3	47.2
08:25 AM - 08:30 AM	56.9	54.0	11:05 AM - 11:10 AM	50.5	44.8	01:45 PM - 01:50 PM	55.1	49.2
08:30 AM - 08:35 AM	53.3	50.4	11:10 AM - 11:15 AM	52.2	45.0	01:50 PM - 01:55 PM	51.1	48.1
08:35 AM - 08:40 AM	54.4	51.0	11:15 AM - 11:20 AM	52.6	47.0	01:55 PM - 02:00 PM	59.1	47.4

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

Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756864-1

Page 1 of 3

Sample Number 2388814-14
Parameter Noise Level (Leq 5 min)
Location ชุมชนตาพรุ-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date Aug 22 - Aug 23, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 22, 2023	Leq	L90	Aug 22, 2023	Leq	L90	Aug 22, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	52.8	48.8	04:40 PM - 04:45 PM	58.1	55.4	07:20 PM - 07:25 PM	51.8	49.8
02:05 PM - 02:10 PM	51.7	47.9	04:45 PM - 04:50 PM	56.1	52.1	07:25 PM - 07:30 PM	52.6	49.2
02:10 PM - 02:15 PM	53.8	46.7	04:50 PM - 04:55 PM	57.1	55.0	07:30 PM - 07:35 PM	53.2	48.9
02:15 PM - 02:20 PM	55.5	48.9	04:55 PM - 05:00 PM	55.8	53.2	07:35 PM - 07:40 PM	53.6	49.7
02:20 PM - 02:25 PM	52.6	47.3	05:00 PM - 05:05 PM	57.2	53.9	07:40 PM - 07:45 PM	54.0	49.4
02:25 PM - 02:30 PM	53.1	46.8	05:05 PM - 05:10 PM	58.5	54.3	07:45 PM - 07:50 PM	53.6	49.9
02:30 PM - 02:35 PM	52.8	46.6	05:10 PM - 05:15 PM	57.6	54.4	07:50 PM - 07:55 PM	55.7	49.9
02:35 PM - 02:40 PM	57.7	47.9	05:15 PM - 05:20 PM	58.1	54.3	07:55 PM - 08:00 PM	55.3	50.2
02:40 PM - 02:45 PM	54.1	47.4	05:20 PM - 05:25 PM	57.1	51.3	08:00 PM - 08:05 PM	52.4	48.5
02:45 PM - 02:50 PM	54.8	47.8	05:25 PM - 05:30 PM	55.4	51.2	08:05 PM - 08:10 PM	53.2	49.5
02:50 PM - 02:55 PM	52.2	48.3	05:30 PM - 05:35 PM	53.6	50.3	08:10 PM - 08:15 PM	56.9	51.6
02:55 PM - 03:00 PM	56.3	52.4	05:35 PM - 05:40 PM	56.0	51.0	08:15 PM - 08:20 PM	54.0	51.2
03:00 PM - 03:05 PM	58.0	52.8	05:40 PM - 05:45 PM	54.0	51.1	08:20 PM - 08:25 PM	55.2	51.7
03:05 PM - 03:10 PM	57.9	52.2	05:45 PM - 05:50 PM	52.7	49.7	08:25 PM - 08:30 PM	54.8	51.5
03:10 PM - 03:15 PM	57.5	52.0	05:50 PM - 05:55 PM	53.0	49.0	08:30 PM - 08:35 PM	54.5	50.2
03:15 PM - 03:20 PM	50.9	46.5	05:55 PM - 06:00 PM	53.5	50.0	08:35 PM - 08:40 PM	57.8	48.6
03:20 PM - 03:25 PM	58.8	49.1	06:00 PM - 06:05 PM	54.1	49.8	08:40 PM - 08:45 PM	56.4	50.8
03:25 PM - 03:30 PM	61.6	51.2	06:05 PM - 06:10 PM	54.4	51.1	08:45 PM - 08:50 PM	68.2	65.5
03:30 PM - 03:35 PM	56.0	52.6	06:10 PM - 06:15 PM	54.3	49.5	08:50 PM - 08:55 PM	66.3	64.5
03:35 PM - 03:40 PM	56.9	53.3	06:15 PM - 06:20 PM	53.9	49.4	08:55 PM - 09:00 PM	57.8	53.8
03:40 PM - 03:45 PM	57.3	54.0	06:20 PM - 06:25 PM	53.3	49.6	09:00 PM - 09:05 PM	54.3	51.4
03:45 PM - 03:50 PM	60.4	53.7	06:25 PM - 06:30 PM	56.5	50.3	09:05 PM - 09:10 PM	52.8	50.6
03:50 PM - 03:55 PM	66.6	50.0	06:30 PM - 06:35 PM	52.8	50.2	09:10 PM - 09:15 PM	53.6	51.5
03:55 PM - 04:00 PM	56.5	50.8	06:35 PM - 06:40 PM	55.8	53.3	09:15 PM - 09:20 PM	54.5	48.6
04:00 PM - 04:05 PM	62.3	54.4	06:40 PM - 06:45 PM	54.0	50.6	09:20 PM - 09:25 PM	53.0	47.8
04:05 PM - 04:10 PM	58.3	54.4	06:45 PM - 06:50 PM	54.5	49.9	09:25 PM - 09:30 PM	54.5	47.0
04:10 PM - 04:15 PM	58.4	55.0	06:50 PM - 06:55 PM	53.9	50.2	09:30 PM - 09:35 PM	52.8	48.8
04:15 PM - 04:20 PM	57.6	51.5	06:55 PM - 07:00 PM	54.0	50.6	09:35 PM - 09:40 PM	52.2	49.4
04:20 PM - 04:25 PM	64.6	52.4	07:00 PM - 07:05 PM	53.0	50.3	09:40 PM - 09:45 PM	53.5	51.4
04:25 PM - 04:30 PM	59.1	53.9	07:05 PM - 07:10 PM	53.0	49.7	09:45 PM - 09:50 PM	54.6	51.8
04:30 PM - 04:35 PM	58.7	55.8	07:10 PM - 07:15 PM	52.8	50.0	09:50 PM - 09:55 PM	54.0	52.2
04:35 PM - 04:40 PM	58.0	54.9	07:15 PM - 07:20 PM	53.7	49.2	09:55 PM - 10:00 PM	52.0	50.1

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756864-1

Page 2 of 3

Sample Number 2388814-14
Parameter Noise Level (Leq 5 min)
Location ชุมชนตาพรุ-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date Aug 22 - Aug 23, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 22 - Aug 23, 2023	Leq	L90	Aug 23, 2023	Leq	L90	Aug 23, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	52.0	49.8	12:40 AM - 12:45 AM	62.2	61.4	03:20 AM - 03:25 AM	65.5	64.8
10:05 PM - 10:10 PM	54.9	51.7	12:45 AM - 12:50 AM	62.0	61.3	03:25 AM - 03:30 AM	65.5	64.4
10:10 PM - 10:15 PM	57.2	55.7	12:50 AM - 12:55 AM	61.4	60.2	03:30 AM - 03:35 AM	65.8	64.7
10:15 PM - 10:20 PM	56.3	54.8	12:55 AM - 01:00 AM	61.8	60.4	03:35 AM - 03:40 AM	66.0	65.2
10:20 PM - 10:25 PM	55.0	52.7	01:00 AM - 01:05 AM	61.8	60.3	03:40 AM - 03:45 AM	65.2	62.2
10:25 PM - 10:30 PM	54.7	49.7	01:05 AM - 01:10 AM	62.0	59.3	03:45 AM - 03:50 AM	65.4	64.2
10:30 PM - 10:35 PM	52.5	48.5	01:10 AM - 01:15 AM	61.3	59.3	03:50 AM - 03:55 AM	65.3	64.2
10:35 PM - 10:40 PM	52.4	48.4	01:15 AM - 01:20 AM	60.5	58.4	03:55 AM - 04:00 AM	66.1	65.3
10:40 PM - 10:45 PM	52.2	48.5	01:20 AM - 01:25 AM	59.7	55.0	04:00 AM - 04:05 AM	65.6	64.7
10:45 PM - 10:50 PM	55.4	49.2	01:25 AM - 01:30 AM	61.5	60.0	04:05 AM - 04:10 AM	66.2	65.4
10:50 PM - 10:55 PM	56.5	54.5	01:30 AM - 01:35 AM	61.6	59.3	04:10 AM - 04:15 AM	67.4	64.9
10:55 PM - 11:00 PM	56.7	53.9	01:35 AM - 01:40 AM	62.7	61.1	04:15 AM - 04:20 AM	64.7	63.9
11:00 PM - 11:05 PM	58.0	53.3	01:40 AM - 01:45 AM	62.3	60.9	04:20 AM - 04:25 AM	66.1	65.3
11:05 PM - 11:10 PM	61.3	52.8	01:45 AM - 01:50 AM	61.2	57.7	04:25 AM - 04:30 AM	65.7	64.1
11:10 PM - 11:15 PM	58.2	56.2	01:50 AM - 01:55 AM	63.1	60.3	04:30 AM - 04:35 AM	66.4	65.3
11:15 PM - 11:20 PM	59.2	56.2	01:55 AM - 02:00 AM	63.0	60.4	04:35 AM - 04:40 AM	66.0	65.0
11:20 PM - 11:25 PM	60.4	58.4	02:00 AM - 02:05 AM	64.0	61.8	04:40 AM - 04:45 AM	66.0	64.8
11:25 PM - 11:30 PM	61.2	60.1	02:05 AM - 02:10 AM	61.7	59.9	04:45 AM - 04:50 AM	64.2	57.2
11:30 PM - 11:35 PM	61.6	60.8	02:10 AM - 02:15 AM	63.4	61.5	04:50 AM - 04:55 AM	65.2	63.9
11:35 PM - 11:40 PM	61.9	60.5	02:15 AM - 02:20 AM	64.1	62.3	04:55 AM - 05:00 AM	64.7	61.8
11:40 PM - 11:45 PM	62.8	62.3	02:20 AM - 02:25 AM	63.7	60.6	05:00 AM - 05:05 AM	64.8	60.1
11:45 PM - 11:50 PM	61.2	52.1	02:25 AM - 02:30 AM	62.7	60.3	05:05 AM - 05:10 AM	64.6	57.5
11:50 PM - 11:55 PM	61.7	60.2	02:30 AM - 02:35 AM	63.6	60.2	05:10 AM - 05:15 AM	63.7	60.5
11:55 PM - 12:00 AM	61.8	57.3	02:35 AM - 02:40 AM	65.3	62.0	05:15 AM - 05:20 AM	63.6	60.4
12:00 AM - 12:05 AM	63.0	62.3	02:40 AM - 02:45 AM	64.9	60.3	05:20 AM - 05:25 AM	61.5	57.5
12:05 AM - 12:10 AM	62.4	61.2	02:45 AM - 02:50 AM	65.4	63.3	05:25 AM - 05:30 AM	61.0	57.5
12:10 AM - 12:15 AM	63.0	61.1	02:50 AM - 02:55 AM	64.9	55.9	05:30 AM - 05:35 AM	61.0	56.2
12:15 AM - 12:20 AM	62.6	61.9	02:55 AM - 03:00 AM	64.7	59.3	05:35 AM - 05:40 AM	59.1	49.5
12:20 AM - 12:25 AM	62.3	60.7	03:00 AM - 03:05 AM	65.7	63.0	05:40 AM - 05:45 AM	61.0	55.3
12:25 AM - 12:30 AM	62.5	60.8	03:05 AM - 03:10 AM	65.4	61.7	05:45 AM - 05:50 AM	57.8	50.1
12:30 AM - 12:35 AM	62.4	60.3	03:10 AM - 03:15 AM	65.8	63.6	05:50 AM - 05:55 AM	54.4	48.8
12:35 AM - 12:40 AM	62.5	61.2	03:15 AM - 03:20 AM	65.5	64.6	05:55 AM - 06:00 AM	56.7	50.3

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388814

Date Received : Aug 23, 2023

Date Reported : Sep 05, 2023

Report Number : 2756864-1

Page 3 of 3

Sample Number 2388814-14
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร-ท่าเรือ (GPS 47P 0735531, 1402769)
Measurement Date Aug 22 - Aug 23, 2023
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 00900072

Aug 23, 2023			Aug 23, 2023			Aug 23, 2023		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	55.0	47.8	08:40 AM - 08:45 AM	54.3	51.1	11:20 AM - 11:25 AM	51.0	46.5
06:05 AM - 06:10 AM	54.8	47.9	08:45 AM - 08:50 AM	52.5	48.4	11:25 AM - 11:30 AM	53.3	47.9
06:10 AM - 06:15 AM	55.5	50.1	08:50 AM - 08:55 AM	54.1	47.8	11:30 AM - 11:35 AM	53.2	46.1
06:15 AM - 06:20 AM	56.6	49.3	08:55 AM - 09:00 AM	52.8	48.3	11:35 AM - 11:40 AM	53.4	46.7
06:20 AM - 06:25 AM	56.5	48.9	09:00 AM - 09:05 AM	52.1	48.5	11:40 AM - 11:45 AM	52.2	46.6
06:25 AM - 06:30 AM	55.0	49.9	09:05 AM - 09:10 AM	56.4	52.2	11:45 AM - 11:50 AM	53.7	47.0
06:30 AM - 06:35 AM	55.1	51.0	09:10 AM - 09:15 AM	57.3	51.6	11:50 AM - 11:55 AM	53.9	47.8
06:35 AM - 06:40 AM	54.4	50.3	09:15 AM - 09:20 AM	55.2	51.7	11:55 AM - 12:00 PM	51.7	47.8
06:40 AM - 06:45 AM	56.2	52.0	09:20 AM - 09:25 AM	53.9	51.1	12:00 PM - 12:05 PM	52.7	49.5
06:45 AM - 06:50 AM	55.6	51.2	09:25 AM - 09:30 AM	55.4	52.0	12:05 PM - 12:10 PM	54.0	49.0
06:50 AM - 06:55 AM	56.6	48.9	09:30 AM - 09:35 AM	56.0	51.5	12:10 PM - 12:15 PM	54.9	50.0
06:55 AM - 07:00 AM	58.9	53.3	09:35 AM - 09:40 AM	54.5	50.8	12:15 PM - 12:20 PM	59.1	48.0
07:00 AM - 07:05 AM	57.3	50.3	09:40 AM - 09:45 AM	54.9	51.5	12:20 PM - 12:25 PM	67.8	50.0
07:05 AM - 07:10 AM	57.2	53.9	09:45 AM - 09:50 AM	54.6	49.6	12:25 PM - 12:30 PM	52.1	46.9
07:10 AM - 07:15 AM	57.9	50.3	09:50 AM - 09:55 AM	55.2	49.3	12:30 PM - 12:35 PM	50.9	46.3
07:15 AM - 07:20 AM	56.3	52.0	09:55 AM - 10:00 AM	59.2	54.7	12:35 PM - 12:40 PM	51.1	45.9
07:20 AM - 07:25 AM	56.0	51.0	10:00 AM - 10:05 AM	57.7	51.8	12:40 PM - 12:45 PM	52.0	48.0
07:25 AM - 07:30 AM	56.0	51.7	10:05 AM - 10:10 AM	56.6	51.2	12:45 PM - 12:50 PM	52.6	46.9
07:30 AM - 07:35 AM	56.7	51.3	10:10 AM - 10:15 AM	55.0	50.4	12:50 PM - 12:55 PM	51.9	48.4
07:35 AM - 07:40 AM	55.9	51.7	10:15 AM - 10:20 AM	56.8	51.5	12:55 PM - 01:00 PM	52.8	48.3
07:40 AM - 07:45 AM	56.7	52.0	10:20 AM - 10:25 AM	59.6	53.8	01:00 PM - 01:05 PM	56.0	47.9
07:45 AM - 07:50 AM	56.6	52.1	10:25 AM - 10:30 AM	60.5	54.0	01:05 PM - 01:10 PM	52.5	47.9
07:50 AM - 07:55 AM	55.2	51.1	10:30 AM - 10:35 AM	54.7	47.2	01:10 PM - 01:15 PM	52.7	48.5
07:55 AM - 08:00 AM	55.4	49.6	10:35 AM - 10:40 AM	52.1	47.9	01:15 PM - 01:20 PM	51.1	46.6
08:00 AM - 08:05 AM	53.6	49.5	10:40 AM - 10:45 AM	52.0	48.5	01:20 PM - 01:25 PM	51.7	47.8
08:05 AM - 08:10 AM	53.1	47.0	10:45 AM - 10:50 AM	50.8	46.5	01:25 PM - 01:30 PM	52.3	44.5
08:10 AM - 08:15 AM	56.9	54.8	10:50 AM - 10:55 AM	50.6	46.0	01:30 PM - 01:35 PM	51.7	47.1
08:15 AM - 08:20 AM	56.7	54.3	10:55 AM - 11:00 AM	51.4	47.1	01:35 PM - 01:40 PM	51.7	47.3
08:20 AM - 08:25 AM	60.6	56.2	11:00 AM - 11:05 AM	50.2	46.6	01:40 PM - 01:45 PM	51.0	46.6
08:25 AM - 08:30 AM	55.8	50.5	11:05 AM - 11:10 AM	53.5	46.8	01:45 PM - 01:50 PM	51.0	46.9
08:30 AM - 08:35 AM	54.3	49.3	11:10 AM - 11:15 AM	52.7	46.7	01:50 PM - 01:55 PM	51.6	47.7
08:35 AM - 08:40 AM	56.4	52.7	11:15 AM - 11:20 AM	53.6	47.7	01:55 PM - 02:00 PM	50.9	46.3

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Approved by

Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-6

ระดับเสียงในสถานประกอบการ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388445

Date Received : Aug 22, 2023

Date Reported : Aug 28, 2023

Report Number: 2756969-1

Page 1 of 1

Sample Number 2388445-1
Parameter Noise (Leq 8 hrs.)
Location Solvent Recovery Unit 1
Measurement Date Aug 21, 2023
Measurement by Ronnachai Mounma

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	85.9	88.5	85.3
10:00 AM - 11:00 AM	85.8	88.4	85.3
11:00 AM - 12:00 PM	86.9	95.2	85.9
12:00 PM - 01:00 PM	87.0	89.4	86.2
01:00 PM - 02:00 PM	87.7	89.7	87.0
02:00 PM - 03:00 PM	87.6	89.4	86.9
03:00 PM - 04:00 PM	87.6	89.6	86.8
04:00 PM - 05:00 PM	87.5	89.4	86.9

Leq Average 8 hrs. (dB(A))

87.1

Lmax (dB(A))

95.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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RIGHT SOLUTIONS RIGHT PARTNER

4989-122/ EMAIL

S:\Reports\Air Noise.rpt (9:07AM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388445

Date Received : Aug 22, 2023

Date Reported : Aug 28, 2023

Report Number: 2756970-1

Page 1 of 1

Sample Number 2388445-2
Parameter Noise (Leq 8 hrs.)
Location Solvent Recovery Unit 2
Measurement Date Aug 21, 2023
Measurement by Ronnachai Mounma

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:06 AM - 10:06 AM	85.3	86.5	85.0
10:06 AM - 11:06 AM	86.3	99.3	85.4
11:06 AM - 12:06 PM	85.3	88.1	85.0
12:06 PM - 01:06 PM	84.9	86.1	84.6
01:06 PM - 02:06 PM	85.1	87.0	84.8
02:06 PM - 03:06 PM	85.0	87.6	84.7
03:06 PM - 04:06 PM	85.2	87.5	84.9
04:06 PM - 05:06 PM	85.2	87.4	84.9

Leq Average 8 hrs. (dB(A))

85.3

Lmax (dB(A))

99.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (9:07AM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113311

Date Received : Nov 16, 2023

Date Reported : Nov 21, 2023

Report Number: 2841459-1

Page 1 of 1

Sample Number 23113311-1
Parameter Noise (Leq 8 hrs.)
Location Solvent Recovery Unit 1
Measurement Date Nov 15, 2023
Measurement by Sawai Tonpho

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:55 AM - 09:55 AM	85.2	87.2	84.3
09:55 AM - 10:55 AM	86.3	88.7	85.4
10:55 AM - 11:55 AM	87.8	91.0	86.2
11:55 AM - 12:55 PM	86.7	89.8	85.1
12:55 PM - 01:55 PM	85.6	88.5	84.5
01:55 PM - 02:55 PM	86.0	88.9	84.8
02:55 PM - 03:55 PM	86.3	89.0	85.2
03:55 PM - 04:55 PM	86.8	89.8	85.6

Leq Average 8 hrs. (dB(A))

86.4

Lmax (dB(A))

91.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (11:39AM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113311

Date Received : Nov 16, 2023

Date Reported : Nov 21, 2023

Report Number: 2841460-1

Page 1 of 1

Sample Number 23113311-2
Parameter Noise (Leq 8 hrs.)
Location Solvent Recovery Unit 2
Measurement Date Nov 15, 2023
Measurement by Sawai Tonpho

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:07 AM - 10:07 AM	84.3	88.7	83.6
10:07 AM - 11:07 AM	83.7	86.5	83.5
11:07 AM - 12:07 PM	83.6	84.7	83.3
12:07 PM - 01:07 PM	83.7	85.1	83.4
01:07 PM - 02:07 PM	83.6	90.0	83.3
02:07 PM - 03:07 PM	83.7	86.6	83.3
03:07 PM - 04:07 PM	83.7	85.0	83.4
04:07 PM - 05:07 PM	83.6	92.2	83.3

Leq Average 8 hrs. (dB(A))

83.7

Lmax (dB(A))

92.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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ภาคผนวก ค-7

ระดับเสียงแยกความถี่ (Octave Bands)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388449

Date Received : Aug 22, 2023

Date Reported : Aug 30, 2023

Report Number : 2761482-1

Page 1 of 1

Sample Number 2388449-1
Parameter Octave Band
Location Solvent Recovery Unit 1
Measurement Date Aug 21, 2023
Measurement By Ronnachai Moungma

Time	Result (dB(A))										
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
09:00 AM - 10:00 AM	85.9	21.9	46.1	55.2	63.3	68.3	82.6	79.4	79.8	72.7	62.5
10:00 AM - 11:00 AM	85.8	21.8	45.9	54.9	63.2	68.2	82.1	79.4	80.4	72.4	62.3
11:00 AM - 12:00 PM	86.9	21.6	45.8	54.8	63.0	68.3	84.3	79.8	80.1	72.8	63.0
12:00 PM - 01:00 PM	87.0	21.5	45.7	54.6	63.1	68.3	84.9	79.2	79.3	72.2	62.4
01:00 PM - 02:00 PM	87.7	21.7	45.8	54.7	63.0	68.4	86.0	79.3	79.5	72.3	62.4
02:00 PM - 03:00 PM	87.6	21.9	45.8	54.8	63.0	68.3	85.6	79.7	79.8	72.3	62.4
03:00 PM - 04:00 PM	87.6	21.8	45.7	54.7	63.0	68.3	85.8	79.7	78.9	72.2	62.3
04:00 PM - 05:00 PM	87.5	21.6	45.6	54.6	62.9	68.2	85.6	79.4	79.6	72.2	62.2
Average	87.1	21.7	45.8	54.8	63.1	68.3	84.8	79.5	79.7	72.4	62.4

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2388449

Date Received : Aug 22, 2023

Date Reported : Aug 30, 2023

Report Number : 2761483-1

Page 1 of 1

Sample Number 2388449-2
Parameter Octave Band
Location Solvent Recovery Unit 2
Measurement Date Aug 21, 2023
Measurement By Ronnachai Moungma

Time	Result (dB(A))										
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
09:06 AM - 10:06 AM	85.3	25.1	41.8	51.6	64.2	70.4	73.7	82.6	79.8	73.9	65.5
10:06 AM - 11:06 AM	86.3	24.2	41.6	51.4	63.8	70.6	74.2	83.8	80.7	74.0	65.6
11:06 AM - 12:06 PM	85.3	24.3	41.5	51.3	63.5	70.8	73.5	82.4	80.1	73.7	66.0
12:06 PM - 01:06 PM	84.9	24.0	41.6	51.2	63.4	70.6	73.4	81.7	80.0	73.6	65.4
01:06 PM - 02:06 PM	85.1	23.7	41.2	51.1	63.4	70.5	73.5	82.0	80.2	73.5	65.4
02:06 PM - 03:06 PM	85.0	23.8	41.5	51.2	63.4	70.6	73.6	81.9	80.0	73.5	65.3
03:06 PM - 04:06 PM	85.2	23.6	41.3	51.3	63.3	70.4	73.4	82.3	80.1	73.9	65.4
04:06 PM - 05:06 PM	85.2	23.8	41.4	51.4	63.5	70.5	73.5	82.4	80.1	73.8	65.4
Average	85.3	24.1	41.5	51.3	63.6	70.6	73.6	82.4	80.1	73.7	65.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113316

Date Received : Nov 16, 2023

Date Reported : Nov 23, 2023

Report Number : 2845965-1

Page 1 of 1

Sample Number 23113316-1
Parameter Octave Band
Location Solvent Recovery Unit 1
Measurement Date Nov 15, 2023
Measurement By Sawai Tonpho

Time	Result (dB(A))										
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
08:55 AM - 09:55 AM	85.2	20.2	45.2	53.9	63.4	68.8	82.0	79.0	78.0	72.1	62.6
09:55 AM - 10:55 AM	86.3	20.1	45.1	53.7	63.3	68.7	83.9	79.7	77.6	72.0	62.4
10:55 AM - 11:55 AM	87.8	20.0	45.0	53.6	63.3	68.6	86.3	79.6	77.5	71.9	62.4
11:55 AM - 12:55 PM	86.7	20.1	44.9	53.5	63.3	68.6	84.8	78.8	77.9	71.9	62.4
12:55 PM - 01:55 PM	85.6	20.0	44.9	53.6	63.3	68.7	83.1	78.6	78.0	71.8	62.4
01:55 PM - 02:55 PM	86.0	20.4	44.9	53.7	63.2	68.7	83.7	78.9	78.1	71.7	62.4
02:55 PM - 03:55 PM	86.3	20.2	44.9	53.7	63.2	68.6	84.3	78.9	77.8	71.9	62.6
03:55 PM - 04:55 PM	86.8	20.1	45.0	53.7	63.2	68.7	84.8	79.2	78.0	71.9	62.7
Average	86.4	20.1	45.0	53.7	63.3	68.7	84.3	79.1	77.9	71.9	62.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23113316

Date Received : Nov 16, 2023

Date Reported : Nov 23, 2023

Report Number : 2845966-1

Page 1 of 1

Sample Number 23113316-2
Parameter Octave Band
Location Solvent Recovery Unit 2
Measurement Date Nov 15, 2023
Measurement By Sawai Tonpho

Time	Result (dB(A))										
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
09:07 AM - 10:07 AM	84.3	28.3	46.6	52.9	65.3	70.4	74.9	79.5	80.3	73.8	64.8
10:07 AM - 11:07 AM	83.7	28.5	46.5	52.9	65.2	70.2	74.7	79.1	79.2	74.2	64.9
11:07 AM - 12:07 PM	83.6	28.3	46.5	52.7	65.1	69.9	74.5	78.9	79.3	74.0	64.7
12:07 PM - 01:07 PM	83.7	28.0	46.4	52.8	65.1	69.7	74.4	78.8	79.6	74.1	65.0
01:07 PM - 02:07 PM	83.6	27.7	46.5	52.8	65.1	69.9	74.5	78.8	79.3	74.3	65.2
02:07 PM - 03:07 PM	83.7	28.1	46.5	52.7	65.1	69.8	74.5	78.9	79.3	74.2	65.3
03:07 PM - 04:07 PM	83.7	28.6	46.6	52.7	65.2	70.2	74.5	78.8	79.3	74.2	65.9
04:07 PM - 05:07 PM	83.6	28.6	46.4	53.3	65.0	70.3	74.9	78.8	78.8	74.4	66.6
Average	83.7	28.3	46.5	52.9	65.1	70.1	74.6	79.0	79.4	74.2	65.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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ภาคผนวก ค-8

ระดับเสียงสะสมที่ตัวบุคคล (Noise Dose)

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงาน
เกี่ยวกับความถี่เสียง แสงสว่าง และเสียงภายในสถานประกอบการ
ตามข้อ ๑๕ แห่งกฎกระทรวงกำหนดมาตรฐานในการบริหาร จัดการ และดำเนินการด้านความปลอดภัย
อาชีวอนามัย และสภาพแวดล้อมในการทำงานเกี่ยวกับความถี่เสียง แสงสว่าง และเสียง พ.ศ. ๒๕๕๔

๑. ชื่อ/ตำแหน่ง (นาย/นาง/นางสาว) สุรศักดิ์ ฌาย์นรินทร์ นาย/ซึ่งเป็นผู้ดำเนินการแทน

๒. ชื่อสถานประกอบการ บริษัท สยามฟิสิกส์ จำกัด

เลขทะเบียนนิติบุคคล 0105538145319

ประเภทกิจการ อิเล็กทรอนิกส์

ตั้งอยู่ที่ 87 หมู่ที่ ๑ ต.ระยอง อ.เมือง จ.ระยอง ไอ-อี นวัตกรรมและนวัตกรรม

ค่าเฉลี่ย 21150

โทรศัพท์ 0-3857-3000 โทรสาร 0-3858-3891 โทรศัพท์มือถือ -

๓. การดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงาน
บุคคลที่ได้รับมอบหมายจากนายจ้างให้ดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับความถี่เสียง แสงสว่าง หรือบุคคลผู้ดำเนินการศึกษา
ไม่ต่ำกว่าปริญญาตรี สาขาวิชาอาชีวอนามัยหรือเทียบเท่าที่ลงทะเบียนเป็นเจ้าหน้าที่ความปลอดภัยในการทำงาน
ของสถานประกอบการ เป็นผู้ดำเนินการ (แนบสำเนาเอกสารขึ้นทะเบียน และสำเนาการศึกษา
พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุลผู้ดำเนินการ	ประเภท	เลขทะเบียน
สุรศักดิ์ ฌาย์นรินทร์	รองเจ้าหน้าที่ความปลอดภัยในการทำงาน	เจ้าหน้าที่ความปลอดภัยในการทำงาน
๔) นางสาวปัทมิ จุฑามาศ	เจ้าหน้าที่ความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน พ.ศ. ๒๕๕๔	05-221-2568-00506

รายการผลการตรวจวัดและวิเคราะห์ผลการการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับความถี่เสียง (แบบ รสธ. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับแสงสว่าง (แบบ รสธ. ๒)
- ☒ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียง (แบบ รสธ. ๓)

- ☐ บุคคลที่ได้รับมอบหมายจากนายจ้างให้ดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับความถี่เสียง แสงสว่าง หรือบุคคลผู้ดำเนินการศึกษา
แห่งพระราชบัญญัติความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน พ.ศ. ๒๕๕๔
(แนบสำเนาเอกสารขึ้นทะเบียนในสมุดตามมาตรฐาน ๔ หรือมาตรฐาน ๑๑ พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุล	เลขที่ขึ้นทะเบียนกรมสวัสดิการและคุ้มครองแรงงาน	ระยะเวลาที่ได้รับ
บุคคลหรือนิติบุคคลผู้ดำเนินการ	เลขที่ขึ้นทะเบียนกรมสวัสดิการและคุ้มครองแรงงาน	การขึ้นทะเบียนและได้รับใบอนุญาต ตั้งแต่วันที่ ๑๐ ถึง ๑๐
๕) นางสาวปัทมิ จุฑามาศ		

หมายเหตุ: สามารถเพิ่มบุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงานเป็นลำดับในตาราง

รายการผลการตรวจวัดและวิเคราะห์ผลการการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับความถี่เสียง (แบบ รสธ. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับแสงสว่าง (แบบ รสธ. ๒)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียง (แบบ รสธ. ๓)

ลงชื่อ Pth ลงชื่อ Darnluck C.
(นางสาวปัทมิ จุฑามาศ) (นางสาวสุรศักดิ์ ฌาย์นรินทร์)
บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงาน นาย/ซึ่งเป็นผู้ดำเนินการแทน

General Business

แบบ รสธ. ๓

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียง

๑. วัน เดือน ปี ที่ตรวจวัด 7 กันยายน 2566 และ 29 กันยายน 2566

๒. เครื่องมือที่ใช้ในการตรวจวัด (กรณีที่ใช้เครื่องตรวจวัดมากกว่า ๑ เครื่อง ให้เพิ่มข้อมูลเป็นลำดับในตาราง)

ชนิดประเภทเครื่องมือตรวจวัด	ชื่อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	วัน/เดือน/ปี (ปรับเทียบความถูกต้อง)	หมายเหตุ
๑) Noise Dose Meter	QUEST / NF-DL	NXQ100039	IEC 651 : 1979	30 พฤษภาคม 2566	

๓. อุปกรณ์ที่ใช้ในการปรับเทียบความถูกต้องของเครื่องมือตรวจวัดระดับความถี่เสียง

อุปกรณ์ปรับเทียบความถูกต้อง	ชื่อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	หมายเหตุ
๑) Sound calibrator	QUEST/CC-10	QIC100060	ANSI S1.40-1994 และ IEC 942:1998 Class 1	

๔. ผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียงด้วยเครื่องมือตรวจวัดระดับความถี่เสียง Sound Level Meter (SLM)

ลำดับ ข้อ SEQ*	บริเวณที่ทำการตรวจวัด*	ชื่อ-นามสกุลของลูกจ้าง ในตำแหน่ง SEQ	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที)	พื้นที่ทำงาน*	ผลการตรวจวัดระดับความถี่เสียง		ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง* (dBA)	ผลการประเมิน ๕ (ระบุว่าเป็นเกณฑ์ ไม่เกินเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข*
					ความถี่เสียง (dBA)	ระยะเวลาการตรวจวัด (ชั่วโมง/นาที)			
-	-	-	-	-	-	-	-	-	-

- หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งสัมผัสสภาวะการทำงานเกี่ยวกับระดับความถี่เสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสี่ยงเหมือนกัน
- ๒) บริเวณที่ทำการตรวจวัด ไม่จัดทำแผนที่พื้นที่ดำเนินการตรวจวัดระดับความถี่เสียงเป็นเอกสารแนบ
- ๓) กรณีที่พนักงานสัมผัสเสียงดังในบริเวณตรวจวัดหลายจุดทำงาน (หลายสถานีงานในพื้นที่ทำงาน) สามารถเพิ่มพื้นที่ทำงานในตารางได้
- ๔) ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสสภาวะการทำงานระดับเสียงที่สัมผัสในหนึ่งวันหรือหนึ่งสัปดาห์โดยประมาณ
- ๕) ผลการประเมินไม่เกินเกณฑ์มาตรฐานความปลอดภัยตามที่กำหนดโดยกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมรับได้ของผู้จ้างได้รับเสียงดังต่อเนื่องระยะเวลาการทำงานในแต่ละวัน ลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๑
- ๖) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ Pth
(นางสาวปัทมิ จุฑามาศ)
บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงาน

ลงชื่อ Darnluck C.
(นางสาวสุรศักดิ์ ฌาย์นรินทร์)
นาย/ซึ่งเป็นผู้ดำเนินการแทน

General Business

๕. ผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง (Noise Dosimeter)

ลำดับ ของ SEG*	บริเวณที่ทำการตรวจวัด	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมงงาน)	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง* (dBA)	ผลการประเมิน* (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์)	ข้อเสนอแนะ หรือวิธีการปรับปรุงแก้ไข*
				ระยะเวลาการตรวจวัด (ชั่วโมงงาน)	ปริมาณเสียงสะสม (D) เดซิเบลเอ (%)			
๑	PE Operator-General 12 hour exposure at Train 1	รายละเอียดตามเอกสารแนบ ๑	720 นาที	636 นาที	66.3	83.2	ไม่เป็นเกณฑ์	
๒	PE Operator-General 12 hour exposure at Train 2		720 นาที	608 นาที	39.0	80.9	ไม่เป็นเกณฑ์	

- หมายเหตุ
- SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งมีลักษณะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสียงเหมือนกัน
 - ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสได้ในหนึ่งชั่วโมงได้ถูกคำนวณจากความloudnessส่วนบุคคล
 - ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ลูกจ้างได้รับเฉลี่ยต่อระยะเวลาการลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓ ทำงานในแต่ละวัน
 - กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะหรือวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ Pth
นางสาวปัทมิ จุฑาบุตร
บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงาน

ลงชื่อ Darnluck C.
(นางสาวคุณลักษณ์ ฉายินบุตร)
นายจ้างหรืออำนาจะทำการแทน

General Business

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงาน
เกี่ยวกับความร้อน แสงสว่าง และเสียงภายในสถานประกอบกิจการ
ตามข้อ ๑๕ แห่งกฎกระทรวงกำหนดมาตรฐานในการบริหาร จัดการ และดำเนินการด้านความปลอดภัย
อาชีวอนามัย และสภาพแวดล้อมในการทำงานเกี่ยวกับความร้อน แสงสว่าง และเสียง พ.ศ. ๒๕๕๙

- ข้าพเจ้า (นาย/นาง/นางสาว) คุณลักษณ์ ฉายินบุตร นายจ้าง/ผู้มีอำนาจะทำการแทน
- ชื่อสถานประกอบกิจการ บริษัท สยามโพลีเอทิลีน จำกัด
เลขทะเบียนนิติบุคคล 0105538145319
ประเภทกิจการ ผลิตพลาสติกโพลีเอทิลีน
ที่อยู่เลขที่ 87 หมู่ที่ - ต.ระกาศ อ.ระกาศ จ.ระยอง
ตำบล ระกาศ อำเภอ ระกาศ จังหวัด ระยอง รหัสไปรษณีย์ 21150
โทรศัพท์ 0-3867-3000 โทรสาร 0-3868-3991 โทรแฟกซ์ -

- การดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงาน
บุคคลที่ขึ้นทะเบียนเข้ารายชื่อความปลอดภ้ยในการทำงานระดับวิชาชีพ หรือบุคคลผู้สำเร็จการศึกษา
ไม่ต่ำกว่าปริญญาตรีสาขาวิศวกรรมหรือเทียบเท่าที่ลงทะเบียนเข้ารายชื่อความปลอดภ้ยในการทำงาน
ของสถานประกอบกิจการ เป็นผู้ดำเนินการเอง (แนบสำเนาเอกสารขึ้นทะเบียน และสำเนาวุฒิการศึกษา
พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุลผู้ดำเนินการ ตรวจวัดและวิเคราะห์ผลการการทำงาน	ประเภท ของเจ้าหน้าที่ความปลอดภ้ยในการทำงาน	เลขทะเบียน เจ้าหน้าที่ความปลอดภ้ยในการทำงาน
๑) นางสาวปัทมิ จุฑาบุตร	เจ้าหน้าที่ความปลอดภ้ยฯ ระดับวิชาชีพ	05-221-2566-000506

- รายการผลการตรวจวัดและวิเคราะห์ผลการการทำงาน
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับความร้อน (แบบ รสธ. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับแสงสว่าง (แบบ รสธ. ๒)
- ☒ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียง (แบบ รสธ. ๓)

- ☐ บุคคลที่ได้รับขึ้นทะเบียนตามมาตรา ๙ หรือนิติบุคคลที่ได้รับใบอนุญาตตามมาตรา ๑๐ แห่งพระราชบัญญัติความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน พ.ศ. ๒๕๕๙ (แนบสำเนาเอกสารขึ้นทะเบียนใบอนุญาตตามมาตรา ๙ หรือมาตรา ๑๐ พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุล บุคคลหรือนิติบุคคลผู้ดำเนินการ ตรวจวัดและวิเคราะห์ผลการการทำงาน	เลขที่ขึ้นทะเบียนเจ้าหน้าที่ความปลอดภัย	ระยะเวลาที่ได้รับ การขึ้นทะเบียนและได้รับใบอนุญาต ตั้งแต่วันที่ขึ้นปี ถึง วันที่ขึ้นปี
๑)		

หมายเหตุ: สามารถเพิ่มบุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงานเป็นลำดับในตาราง

- รายการผลการตรวจวัดและวิเคราะห์ผลการการทำงาน
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับความร้อน (แบบ รสธ. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับแสงสว่าง (แบบ รสธ. ๒)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียง (แบบ รสธ. ๓)

ลงชื่อ Pth (นางสาวปัทมิ จุฑาบุตร)
บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการการทำงาน

ลงชื่อ Darnluck C. (นางสาวคุณลักษณ์ ฉายินบุตร)
นายจ้างหรืออำนาจะทำการแทน

General Business

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียง

๑ วัน เดือน ปี ที่ตรวจวัด 10 - 15 พฤศจิกายน 2566

๒ เครื่องมือที่ใช้ในการตรวจวัด (กรณีที่ใช้เครื่องตรวจวัดมากกว่า ๑ เครื่อง ให้เพิ่มข้อมูลเป็นลำดับในตาราง)

ชนิด/ประเภทเครื่องตรวจวัด ระดับความดังเสียง (SLM Noise Dosimeter)	ยี่ห้อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	วันเดือนปี (ปรับเทียบความถูกต้อง)	หมายเหตุ
a) Noise Dose Meter	QUEST / NF-DL	NXQ100039	IEC 651 - 1979	30 พฤษภาคม 2566	

๓ อุปกรณ์ที่ใช้ในการปรับเทียบความถูกต้องของเครื่องตรวจวัดระดับความดังเสียง

อุปกรณ์ปรับเทียบความถูกต้อง	ยี่ห้อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	หมายเหตุ
a) Sound calibrator	QUEST/QC-10	QIC100060	ANSI S1-40-1994 และ IEC 942:1989 Class 1	

๔ ผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง Sound Level Meter (SLM)

ลำดับ ข้อ SEQ	บริเวณที่ทำการตรวจวัด	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที)	พื้นที่ทำงาน	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dB(A))	ผลการประเมิน ๕ (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข
					ความดังเสียง (dBA)	ระยะเวลาการตรวจวัด (ชั่วโมง/นาที)			
-	-	-	-	-	-	-	-	-	-

หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งสัมผัสสภาวะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสี่ยงเหมือนกัน

๒) บริเวณที่ทำการตรวจวัด ให้จัดทำแผนที่พื้นที่ที่ดำเนินการตรวจวัดระดับความดังเสียงเป็นเอกสารแนบ

๓) กรณีที่พนักงานสัมผัสเสียงทั้งในบริเวณตรวจวัดหลายจุดทำงาน (หลายสถานีงานในพื้นที่ทำงาน) สามารถเพิ่มบันทึกพื้นที่ทำงานในตารางได้

๔) ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในหนึ่งสัปดาห์ได้สุ่มตรวจความสอดคล้องส่วนบุคคล

๕) ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้อุปกรณ์ได้รับเฉลี่ยตลอดระยะเวลาการทำงานในแต่ละวัน ลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓

๖) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ



(นางสาวปัทมिता จุฑามาศ)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน

ลงชื่อ

Darnluck C.

(นางสาวดุริยลักษณ์ ฉายีณต)

นายจ้าง/ผู้ชำนาญการตรวจ

General Business

๕ ผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง (Noise Dosimeter)

ลำดับ ข้อ SEQ	บริเวณที่ทำการตรวจวัด	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที)	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dB(A))	ผลการประเมิน (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข
				ระยะเวลาการตรวจวัด (ชั่วโมง/นาที)	ปริมาณเสียงสะสม (D) เปอร์เซ็นต์ (%)			
๑	PE Operator-General 12 hour exposure at Train 1	รายละเอียดตามเอกสารแนบ ๑	720 นาที	617 นาที	60.0	82.8	ไม่เป็นเกณฑ์	
๒	PE Operator-General 12 hour exposure at Train 2		720 นาที	664 นาที	54.9	82.4	ไม่เป็นเกณฑ์	

หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งสัมผัสสภาวะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสี่ยงเหมือนกัน

๒) ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในหนึ่งสัปดาห์ได้สุ่มตรวจความสอดคล้องส่วนบุคคล

๓) ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้อุปกรณ์ได้รับเฉลี่ยตลอดระยะเวลาการทำงานวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓ ทำงานในแต่ละวัน

๔) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ



(นางสาวปัทมिता จุฑามาศ)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน

ลงชื่อ

Darnluck C.

(นางสาวดุริยลักษณ์ ฉายีณต)

นายจ้าง/ผู้ชำนาญการตรวจ

General Business

ภาคผนวก ค-9

คุณภาพน้ำทิ้ง



Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2374966

Date Received : Jul 05, 2023

Date Reported : Jul 14, 2023

Report Number : 2698945-1 C1

Page 1 of 2

Sample Number	2374966-1						
Sampling Date	Jul 05, 2023 10:55 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Jul 05, 2023						
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	32	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	34.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	780	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ 2-323-2-9442

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2374966

Date Received : Jul 05, 2023

Date Reported : Jul 14, 2023

Report Number : 2698945-1 C1

Page 2 of 2

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Pathompong Kornsawat, Thanasoun Namakunna

Remark :

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

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ 2-323-2-9445

Approved by

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)

Lot ID: 2374966

Date Received : Jul 05, 2023

Date Reported : Jul 14, 2023

Report Number : 2698945-3 C1

Page 1 of 1

Sample Number	2374966-1						
Sampling Date	Jul 05, 2023 10:55 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Jul 06, 2023						
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Benzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	12.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Pathompong Kornasawat , Thanasoon Namakunna

Remark :

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

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Approved by

Chanatt L.

Chanattagarn Imchom
Section Head

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING

No.0042

Lot ID: 2387806

Date Received : Aug 02, 2023

Date Reported : Aug 11, 2023

Report Number : 2729290-1 C1

Page 1 of 2

Sample Number	2387806-1						
Sampling Date	Aug 02, 2023 10:58 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Aug 02, 2023						
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	36	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	552	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 2-323-2-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 2387806

Date Received : Aug 02, 2023

Date Reported : Aug 11, 2023

Report Number : 2729290-1 C1

Page 2 of 2

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chainusorn Lertnanthakunchai, 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.

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor

หมายเลขโทรศัพท์ 3-323-3-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

หมายเลขโทรศัพท์ 3-323-3-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2387806

Date Received : Aug 02, 2023

Date Reported : Aug 11, 2023

Report Number : 2729290-3 C1

Page 1 of 1

Sample Number : 2387806-1
Sampling Date : Aug 02, 2023 10:58 AM
Sample Description : Wastewater
Location : Outfall
Date Analysis Commenced : Aug 04, 2023
Condition of Sample : Contained in six glass vials, two amber glass bottles and seven plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Benzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	12.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chainusorn Lertnanthakunchai, Pattarapol Sawangjaitam

Remark :

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

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Approved by

Siriluk P.

Siriluk Puenggang
Section Head

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_PE (SPE)



TESTING
No.0042
Lot ID: **23101147**
Date Received : Sep 06, 2023
Date Reported : Sep 18, 2023
Report Number : 2759393-1 C1

Page 1 of 2

Sample Number	23101147-1						
Sampling Date	Sep 06, 2023 10:25 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Sep 06, 2023						
Condition of Sample	Contained in one BOD bottle, six glass vials, 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 / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	37	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	876	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 2-323-2-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_PE (SPE)



TESTING
No.0042
Lot ID: **23101147**
Date Received : Sep 06, 2023
Date Reported : Sep 18, 2023
Report Number : 2759393-1 C1

Page 2 of 2

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainao ทะเบียนเลขที่ 2-323-2-9457, Thanasoun Namakunna ทะเบียนเลขที่ 2-204-2-8592

Remark :

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

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 2-323-2-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23101147

Date Received : Sep 06, 2023

Date Reported : Sep 15, 2023

Report Number : 2759393-3 C1

Page 1 of 1

Sample Number	23101147-1						
Sampling Date	Sep 06, 2023 10:25 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Sep 07, 2023						
Condition of Sample	Contained in one BOD bottle, six glass vials, 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 / Specification	Method	Testing Location
Volatile Organics Compounds							
Benzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	12.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of The Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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

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Approved by

Sawitree N.

Sawitree Nisangiam
Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)



TESTING

No.0042

Lot ID: 23111853

Date Received : Oct 04, 2023

Date Reported : Oct 24, 2023

Report Number : 2787450-1 C1

Page 1 of 2

Sample Number	23111853-1						
Sampling Date	Oct 04, 2023 10:47 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Oct 04, 2023						
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	216	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ 2-323-ก-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 2-323-ก-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 23111853

Date Received : Oct 04, 2023

Date Reported : Oct 24, 2023

Report Number : 2787450-1 C1

Page 2 of 2

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 23111853-1) is 20.48 mg/L

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor

หมายเลขโทรศัพท์ 3-323-3-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

หมายเลขโทรศัพท์ 3-323-3-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)

Lot ID: 23111853

Date Received : Oct 04, 2023

Date Reported : Oct 24, 2023

Report Number : 2787450-3 C1

Page 1 of 1

Sample Number 23111853-1
Sampling Date Oct 04, 2023 10:47 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Oct 05, 2023
Condition of Sample Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Benzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	3.44	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 23111853-1) is 20.48 mg/L

Sampling By : Chainusorn Lertnanthakunchai

Remark :

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

Approved by

Sawitree N.

Sawitree Nolsangiam
Manager

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23125166

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2817750-1 C1

Page 1 of 2

Sample Number	23125166-1						
Sampling Date	Nov 01, 2023 11:15 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Nov 01, 2023						
Condition of Sample	Contained in one amber glass bottle, six glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	28	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	16	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	16	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	764	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ 2-323-2-9442

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23125166

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2817750-1 C1

Page 2 of 2

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ 2-323-2-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23125166
Date Received : Nov 01, 2023
Date Reported : Nov 09, 2023
Report Number : 2817750-3 C1

Page 1 of 1

Sample Number	23125166-1						
Sampling Date	Nov 01, 2023 11:15 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Nov 02, 2023						
Condition of Sample	Contained in one amber glass bottle, six glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Benzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	9.89	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Sansoen Khuiyoksul , Thanasoun Namakunna

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

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

Approved by

Sawitree N.

Sawitree Nisangiam
Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_PE (SPE)



TESTING

No.0042

Lot ID: 23136102
Date Received : Dec 06, 2023
Date Reported : Jan 03, 2024
Report Number : 2842940-1 C1

Page 1 of 2

Sample Number	23136102-1						
Sampling Date	Dec 06, 2023 10:15 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Dec 06, 2023						
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	31	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	844	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
โทรศัพท์ ๖-๓๒๓-๙-๙๔๔๕

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัพท์ ๖-๓๒๓-๙-๙๔๔๒

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 23136102

Date Received : Dec 06, 2023

Date Reported : Jan 03, 2024

Report Number : 2842940-1 C1

Page 2 of 2

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
โทรศัพท์ ๖-323-๖-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัพท์ ๖-323-๖-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23136102

Date Received : Dec 06, 2023

Date Reported : Jan 03, 2024

Report Number : 2842940-3 C1

Page 1 of 1

Sample Number 23136102-1
Sampling Date Dec 06, 2023 10:15 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Dec 07, 2023
Condition of Sample Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Benzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	11.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Sansoen Khuiyoksui , 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. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2374938

Date Received : Jul 05, 2023

Date Reported : Jul 13, 2023

Report Number : 2698871-1

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 1 of 2

Sample Number	2374938-1
Sampled Date	Jul 05, 2023 9:45 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jul 05, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	29	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	238	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	5.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

หมายเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

หมายเลขที่ 2-323-2-9442

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2374938

Date Received : Jul 05, 2023

Date Reported : Jul 13, 2023

Report Number : 2698871-1

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 2 of 2

Sample Number	2374938-1
Sampled Date	Jul 05, 2023 9:45 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jul 05, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Pathompong Kornasawat หมายเลขที่ 2-323-2-9468 , Thanassou Namakunna หมายเลขที่ 2-204-2-8592

Remark :

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Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

หมายเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

หมายเลขที่ 2-323-2-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2374938

Date Received : Jul 05, 2023

Date Reported : Jul 13, 2023

Report Number : 2698871-2

Page 1 of 1

Sample Number 2374938-1
Sampled Date Jul 05, 2023 9:45 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Jul 07, 2023
Condition of Sample Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	4.47	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Pathompong Kornasawat , Thanasoun Namakunna

Remark :

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Approved by

Narin Saiseng
Supervisor

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 2387461

Date Received : Aug 02, 2023

Date Reported : Aug 15, 2023

Report Number : 2728721-1

Page 1 of 2

Sample Number 2387461-1
Sampled Date Aug 02, 2023 9:35 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Aug 02, 2023
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.9	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	33	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	19	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	19	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	260	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	4.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Narumon Banchongkit
Supervisor
หมายเลข 2-323-2-9445

Approved by

Dej Changchon
Senior Manager
หมายเลข 2-323-2-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 2387461

Date Received : Aug 02, 2023

Date Reported : Aug 15, 2023

Report Number : 2728721-1

Page 2 of 2

Sample Number	2387461-1
Sampled Date	Aug 02, 2023 9:35 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Aug 02, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ๖-323-๙-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๙-0002

Remark :

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Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ๖-323-๙-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ๖-323-๙-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2387461

Date Received : Aug 02, 2023

Date Reported : Aug 15, 2023

Report Number : 2728721-2

Page 1 of 1

Sample Number	2387461-1
Sampled Date	Aug 02, 2023 9:35 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Aug 04, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	7.16	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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Approved by

Siriluk P.

Siriluk Puenggang

Section Head



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 23101126

Date Received : Sep 06, 2023

Date Reported : Sep 13, 2023

Report Number : 2759366-1

Page 1 of 2

Sample Number	23101126-1
Sampled Date	Sep 06, 2023 9:25 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Sep 06, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	42	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	39	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	352	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	5.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

หมายเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

หมายเลขที่ 2-323-2-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 23101126

Date Received : Sep 06, 2023

Date Reported : Sep 13, 2023

Report Number : 2759366-1

Page 2 of 2

Sample Number	23101126-1
Sampled Date	Sep 06, 2023 9:25 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Sep 06, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaw ทวีวัฒน์ 2-323-2-9457

Remark :

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

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

หมายเลขที่ 2-323-2-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

หมายเลขที่ 2-323-2-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 23101126

Date Received : Sep 06, 2023

Date Reported : Sep 08, 2023

Report Number : 2759366-2

Page 1 of 1

Sample Number	23101126-1						
Sampled Date	Sep 06, 2023 9:25 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Sep 07, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	6.96	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Wanlop Hunchainaow

Remark :

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

Approved by

Siriluk P.

Siriluk Puenggang
Section Head

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 23111750

Date Received : Oct 04, 2023

Date Reported : Oct 12, 2023

Report Number : 2787406-1

Page 1 of 2

Sample Number	23111750-1						
Sampled Date	Oct 04, 2023 9:20 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Oct 04, 2023						
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	36	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	34	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	392	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	11.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
หมายเลขที่ 2-323-2-9445

Approved by

D. Chongchon

Dej Changchon
Senior Manager
หมายเลขที่ 2-323-2-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 23111750

Date Received : Oct 04, 2023

Date Reported : Oct 12, 2023

Report Number : 2787406-1

Page 2 of 2

Sample Number	23111750-1
Sampled Date	Oct 04, 2023 9:20 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Oct 04, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 23111750-1) is 15.8 mg/L

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ๖-323-๙-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๙-0002

Remark :

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

Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ๖-323-๙-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ๖-323-๙-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 23111750

Date Received : Oct 04, 2023

Date Reported : Oct 11, 2023

Report Number : 2787406-2

Page 1 of 1

Sample Number	23111750-1
Sampled Date	Oct 04, 2023 9:20 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Oct 06, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	5.85	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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Approved by

Siriluk P.

Siriluk Puengpang

Section Head



Analysis / Test Report

TESTING

No.0042

Lot ID: 23125154

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2817720-1

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 1 of 2

Sample Number	23125154-1
Sampled Date	Nov 01, 2023 9:55 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Nov 01, 2023
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	20	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	18	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	396	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	8.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banachit

Narumon Banchongkit

Supervisor

หมายเลขโทรศัพท์ 323-9-9445

Approved by

D. Chongchon

Dej Changchon

Senior Manager

หมายเลขโทรศัพท์ 323-9-9442

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Analysis / Test Report

TESTING

No.0042

Lot ID: 23125154

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2817720-1

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Page 2 of 2

Sample Number	23125154-1
Sampled Date	Nov 01, 2023 9:55 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Nov 01, 2023
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : Raw data of COD value (Refer to Lot ID 23125154-1) is 22.1 mg/L

Sampling By : Sansoen Khuiyoksui หมายเลขโทรศัพท์ 323-9-0005, Thanasoun Namakunna หมายเลขโทรศัพท์ 204-9-8592

Remark :

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Technical Management

N. Banachit

Narumon Banchongkit

Supervisor

หมายเลขโทรศัพท์ 323-9-9445

Approved by

D. Chongchon

Dej Changchon

Senior Manager

หมายเลขโทรศัพท์ 323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 23125154

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2817720-2

Page 1 of 1

Sample Number	23125154-1
Sampled Date	Nov 01, 2023 9:55 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Nov 02, 2023
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	5.44	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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Approved by

Siriluk P.

Siriluk Puengpang
Section Head

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 23136380

Date Received : Dec 06, 2023

Date Reported : Dec 14, 2023

Report Number : 2842997-1

Page 1 of 2

Sample Number	23136380-1
Sampled Date	Dec 06, 2023 9:28 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Dec 06, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	13.7	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	47	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	29	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	27	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	282	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	8.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
เบอร์โทรศัพท์ ๖-323-๙-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
เบอร์โทรศัพท์ ๖-323-๙-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 23136380

Date Received : Dec 06, 2023

Date Reported : Dec 14, 2023

Report Number : 2842997-1

Page 2 of 2

Sample Number	23136380-1
Sampled Date	Dec 06, 2023 9:28 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Dec 06, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ 7-323-3-0005 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-3-8592

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

N. Banphit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ 7-323-3-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ 7-323-3-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O : 4514144337

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 23136380

Date Received : Dec 06, 2023

Date Reported : Dec 13, 2023

Report Number : 2842997-2

Page 1 of 1

Sample Number	23136380-1
Sampled Date	Dec 06, 2023 9:28 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Dec 07, 2023
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	6.54	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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Approved by

Siriluk P.

Siriluk Puenggang

Section Head