

ภาคผนวก ค

ผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม

ภาคผนวก ค-1

คุณภาพอากาศจากแหล่งกำเนิด



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056, 4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut PE (SPE)

Lot ID: 2227831

Date Received : Dec 08, 2022

Date Reported : Dec 13, 2022

Report Number : 2247167-1

Page 1 of 3

Sample Number 2227831-1

Sample Date Dec 07, 2022

Sample Description Emission from Stationary Source

Location Furnace 1

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*	07 Dec 22	12:30	12:50	14.16	14.32	12.48	12.38	-0.10
2	07 Dec 22	12:51	13:11	13.85	14.11	12.21	12.13	-0.07
3	07 Dec 22	13:12	13:32	13.88	14.24	12.28	12.36	0.07
4	07 Dec 22	13:33	13:53	13.76	14.14	12.11	12.12	0.01
5	07 Dec 22	13:54	14:14	13.56	14.00	11.97	12.06	0.09
6	07 Dec 22	14:15	14:35	13.86	14.06	12.14	12.04	-0.10
7	07 Dec 22	14:36	14:56	13.74	14.08	11.99	12.07	0.07
8*	07 Dec 22	14:57	15:17	13.51	14.02	11.81	11.97	0.17
9	07 Dec 22	15:18	15:38	13.48	13.87	11.84	11.89	0.05
10*	07 Dec 22	15:39	15:59	13.30	13.74	11.62	11.78	0.15
11	07 Dec 22	16:00	16:20	13.29	13.71	11.60	11.68	0.08
12	07 Dec 22	16:21	16:41	13.73	13.95	12.04	11.94	-0.10
Average						12.02	12.03	0.01
Confidence Coefficient (CC)								0.06
Relative Accuracy (Compared with RM) (%)								0.61
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
vstduanw@7-204-6-6113

Approved by

Sarayu Jitranont
Assistant General Manager
vstduanw@7-204-6-4702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056, 4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut PE (SPE)

Lot ID: 2227831

Date Received : Dec 08, 2022

Date Reported : Dec 13, 2022

Report Number : 2247167-1

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Sample Number 2227831-1

Sample Date Dec 07, 2022

Sample Description Emission from Stationary Source

Location Furnace 1

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	07 Dec 22	12:30	12:50	7.23	1.96	6.37	1.69	-4.68
2*	07 Dec 22	12:51	13:11	7.36	1.87	6.48	1.61	-4.88
3*	07 Dec 22	13:12	13:32	7.44	1.86	6.58	1.61	-4.97
4*	07 Dec 22	13:33	13:53	7.47	1.98	6.58	1.70	-4.88
5	07 Dec 22	13:54	14:14	7.43	2.04	6.56	1.76	-4.80
6	07 Dec 22	14:15	14:35	7.40	2.19	6.48	1.88	-4.60
7	07 Dec 22	14:36	14:56	7.28	2.26	6.36	1.93	-4.42
8	07 Dec 22	14:57	15:17	7.10	2.27	6.20	1.94	-4.26
9	07 Dec 22	15:18	15:38	7.21	2.25	6.33	1.93	-4.41
10	07 Dec 22	15:39	15:59	7.08	2.30	6.18	1.97	-4.22
11	07 Dec 22	16:00	16:20	7.13	2.31	6.22	1.97	-4.25
12	07 Dec 22	16:21	16:41	7.23	2.35	6.34	2.01	-4.32
Average						6.34	1.90	-4.44
Confidence Coefficient (CC)								0.16
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)								0.67
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
vstduanw@7-204-6-6113

Approved by

Sarayu Jitranont
Assistant General Manager
vstduanw@7-204-6-4702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227831
Date Received : Dec 08, 2022
Date Reported : Dec 13, 2022
Report Number : 2247167-1

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Sample Number 2227831-1
Sample Date Dec 07, 2022
Sample Description Emission from Stationary Source
Location Furnace 1
Parameter O₂

Relative Accuracy Test Audit Report

Run No.	Date	Time		CEMs (%)	Raw Data at Actual		Difference
		Start	Stop		RM (%)	RM (%)	
1	07 Dec 22	12:30	12:50	5.12	4.82	-0.30	-0.30
2	07 Dec 22	12:51	13:11	5.13	4.74	-0.39	-0.39
3	07 Dec 22	13:12	13:32	5.19	4.88	-0.30	-0.30
4*	07 Dec 22	13:33	13:53	5.10	4.69	-0.42	-0.42
5	07 Dec 22	13:54	14:14	5.14	4.76	-0.39	-0.39
6	07 Dec 22	14:15	14:35	5.03	4.66	-0.37	-0.37
7	07 Dec 22	14:36	14:56	4.98	4.68	-0.30	-0.30
8	07 Dec 22	14:57	15:17	4.99	4.62	-0.37	-0.37
9*	07 Dec 22	15:18	15:38	5.08	4.68	-0.40	-0.40
10	07 Dec 22	15:39	15:59	4.99	4.69	-0.30	-0.30
11*	07 Dec 22	16:00	16:20	4.97	4.58	-0.40	-0.40
12	07 Dec 22	16:21	16:41	5.04	4.66	-0.38	-0.38
Average				5.07	4.72	-0.34	-0.34
Confidence Coefficient (CC)				-			
Relative Accuracy (Compared in Actual) (%)				0.34			
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 : Sathaporn Thalerw

Technical Management

Wichan Choonharat
Manager

Approved by

Sirayuth Jitrantont
Assistant General Manager

2227831-1

2247167-1

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227831
Date Received : Dec 08, 2022
Date Reported : Dec 13, 2022
Report Number : 2247167-2

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Sample Number 2227831-1
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Measurement Date Dec 07, 2022

Stack Description									
Ambient Temperature	33	°C	Diameter	1.40	m	Oxygen	4.82	%	
Ambient Pressure	758	mmHg	Shape	Circle		Carbon dioxide	9.79	%	
Type of Process	Combustion		Stack Temperature	198	°C	Gas Velocity	6.50	m/s	
Type of Fuel	Natural Gas		Moisture	14.50	%	Flow Rate	19432	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	12:30 PM - 12:50 PM	4.82	9.80	14.32	12.38	1.77	1.53		
2	12:51 PM - 01:11 PM	4.74	9.81	14.11	12.13	1.68	1.45		
3	01:12 PM - 01:32 PM	4.88	9.76	14.24	12.36	1.67	1.45		
Average (ppm)		4.82	9.79	14.22	12.29	1.71	1.48		
Guideline ¹ (ppm)				-	200	-	690		
Guideline ² (ppm)				-	25	-	-		
Result (mg/Nm ³)				26.76	23.12	1.96	1.69		
Emission Rate at Actual O ₂ (g/s)				0.1444			0.0106		
Method				US EPA Method 7E		US EPA Method 10			

Sampled By : Sathaporn Thalerw

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

Approved by

Sirayuth Jitrantont
Assistant General Manager

2227831-1

2247167-2

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
Lot ID: 2227831
Date Received : Dec 08, 2022
Date Reported : Dec 13, 2022
Report Number : 2247167-2
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Page 1 of 1

Sample Number 2227831-1
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Measurement Date Dec 07, 2022

Ambient Temperature 33 °C
Ambient Pressure 758 mmHg
Type of Process Combustion
Type of Fuel Natural Gas

Stack Description
Diameter 1.40 m
Shape Circle
Stack Temperature 198 °C
Moisture 14.50 %
Flow Rate 19432 Nm³/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm) at Actual O ₂	At 7% O ₂
1	12:30 PM - 12:50 PM	4.82	9.80	14.32	12.38
2	12:51 PM - 01:11 PM	4.74	9.81	14.11	12.13
3	01:12 PM - 01:32 PM	4.88	9.76	14.24	12.36
Average (ppm)		4.82	9.79	14.22	12.29
Guideline ^{1/} (ppm)				-	200
Result (mg/Nm ³)				-	25
Emission Rate at Actual O ₂ (g/s)				26.76	23.12
Guideline ^{2/} (g/s)				0.1444	0.3900
Method				US EPA Method 7E	

Sampled By : Sathaporn Thakraw
Guideline : ^{1/}Modification 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

Manager
Wichan Choonharat
โทรศัพท์ 7-204-6-6113

Approved by

Assistant General Manager
Saranyuth Jitranont
โทรศัพท์ 7-204-6-4702

(Signature)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
Lot ID: 2227836
Date Received : Dec 08, 2022
Date Reported : Dec 13, 2022
Report Number : 2247168-1
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Page 1 of 3

Sample Number 2227836-1
Sample Date Dec 07, 2022
Sample Description Emission from Stationary Source
Location Furnace 2
Parameter NOx

Relative Accuracy Test Audit Report

Run No.	Date	Start	Stop	CEMs (ppm)	Raw Data at Actual O ₂	Corrected Value at 7% O ₂	RM (ppm)	Difference
1	07 Dec 22	12:00	12:20	18.50	18.54	16.36	16.05	-0.30
2	07 Dec 22	12:21	12:41	18.43	18.63	16.34	16.15	-0.19
3	07 Dec 22	12:42	13:02	18.62	18.65	16.45	16.12	-0.33
4	07 Dec 22	13:03	13:23	18.26	18.56	16.16	16.08	-0.08
5*	07 Dec 22	13:24	13:44	18.93	18.48	16.82	16.06	-0.76
6	07 Dec 22	13:45	14:05	18.64	18.46	16.50	15.97	-0.52
7	07 Dec 22	14:06	14:26	18.34	18.49	16.18	15.95	-0.24
8*	07 Dec 22	14:27	14:47	18.81	18.45	16.57	15.87	-0.70
9	07 Dec 22	14:48	15:08	18.51	18.40	16.23	15.77	-0.46
10	07 Dec 22	15:09	15:29	17.79	18.38	15.75	15.86	0.10
11	07 Dec 22	15:30	15:50	18.01	18.05	15.83	15.47	-0.36
12*	07 Dec 22	15:51	16:11	18.26	18.03	16.10	15.50	-0.59
Average						16.20	15.94	-0.26
Confidence Coefficient (CC)								0.15
Relative Accuracy (Compared with RM) (%)								2.59
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

Manager
Wichan Choonharat
โทรศัพท์ 7-204-6-6113

Approved by

Assistant General Manager
Saranyuth Jitranont
โทรศัพท์ 7-204-6-4702

(Signature)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227836
Date Received : Dec 08, 2022
Date Reported : Dec 13, 2022
Report Number : 2247168-1

Page 2 of 3

Sample Number : 2227836-1
Sample Date : Dec 07, 2022
Sample Description : Emission from Stationary Source
Location : Furnace 2
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)		
1	07 Dec 22	12:00	12:20	3.43	0.25	3.04	-0.22
2	07 Dec 22	12:21	12:41	3.70	0.55	3.28	-0.48
3	07 Dec 22	12:42	13:02	3.41	0.42	3.01	-0.37
4	07 Dec 22	13:03	13:23	3.36	0.35	2.98	-0.31
5*	07 Dec 22	13:24	13:44	4.10	0.37	3.64	-0.32
6	07 Dec 22	13:45	14:05	3.80	0.36	3.36	-0.31
7	07 Dec 22	14:06	14:26	3.15	0.44	2.78	-0.38
8	07 Dec 22	14:27	14:47	2.75	0.50	2.42	-0.43
9	07 Dec 22	14:48	15:08	2.98	0.40	2.61	-0.34
10*	07 Dec 22	15:09	15:29	5.50	0.51	4.87	-0.44
11	07 Dec 22	15:30	15:50	4.08	0.47	3.59	-0.41
12*	07 Dec 22	15:51	16:11	4.50	0.71	3.97	-0.61
Average						3.01	-0.36
Confidence Coefficient (CC)							0.29
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)							0.43
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
วณิชญานนท์ 2-204-6-6113

Approved by

Sarayu Jitranont
Assistant General Manager
วณิชญานนท์ 2-204-6-1702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227836
Date Received : Dec 08, 2022
Date Reported : Dec 13, 2022
Report Number : 2247168-1

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Sample Number : 2227836-1
Sample Date : Dec 07, 2022
Sample Description : Emission from Stationary Source
Location : Furnace 2
Parameter : O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	07 Dec 22	12:00	12:20	5.18	4.85	-0.34
2	07 Dec 22	12:21	12:41	5.22	4.86	-0.36
3	07 Dec 22	12:42	13:02	5.17	4.82	-0.35
4	07 Dec 22	13:03	13:23	5.20	4.86	-0.34
5	07 Dec 22	13:24	13:44	5.25	4.91	-0.34
6	07 Dec 22	13:45	14:05	5.19	4.84	-0.36
7	07 Dec 22	14:06	14:26	5.15	4.79	-0.36
8	07 Dec 22	14:27	14:47	5.12	4.73	-0.38
9	07 Dec 22	14:48	15:08	5.05	4.68	-0.37
10*	07 Dec 22	15:09	15:29	5.20	4.79	-0.41
11*	07 Dec 22	15:30	15:50	5.09	4.69	-0.40
12*	07 Dec 22	15:51	16:11	5.14	4.74	-0.40
Average				5.17	4.81	-0.36
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.36
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 : Seksit Phaisanphaisut

Technical Management

Wichan Choonharat
Manager
วณิชญานนท์ 2-204-6-6113

Approved by

Sarayu Jitranont
Assistant General Manager
วณิชญานนท์ 2-204-6-1702

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)
Lot ID: 2227836
Date Received : Dec 08, 2022
Date Reported : Dec 13, 2022
Report Number : 2247168-2

Page 1 of 1

Sample Number 2227836-1
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Measurement Date Dec 07, 2022

Stack Description									
Ambient Temperature	33	°C	Diameter	1.53	m	Oxygen	4.84	%	
Ambient Pressure	758	mmHg	Shape	Circle		Carbon dioxide	9.88	%	
Type of Process	Combustion		Stack Temperature	206	°C	Gas Velocity	4.40	m/s	
Type of Fuel	Natural Gas		Moisture	12.60	%	Flow Rate	15797	Nm3/hr	
Run No.	Sampling Time		Oxygen (%)	Carbon Dioxide (%)		Oxides of Nitrogen (ppm) at Actual O ₂		Carbon Monoxide (ppm) at 7% O ₂	
1	12:00 PM - 12:20 PM		4.85	9.89		18.54		16.05	
2	12:21 PM - 12:41 PM		4.86	9.87		18.63		16.15	
3	12:42 PM - 01:02 PM		4.82	9.89		18.65		16.12	
Average (ppm)			4.84	9.88		18.61		16.11	
Guideline ^{1/} (ppm)						-		200	
Guideline ^{2/} (ppm)						-		25	
Result (mg/Nm ³)						35.01		30.31	
Emission Rate at Actual O ₂ (g/s)						0.1536			
Method						US EPA Method 7E		US EPA Method 10	

Sampled By : Sakitt 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
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โทรศัพท์ 3-204-6-6113

Approved by Sarayuth Jitranont
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)
Lot ID: 2227836
Date Received : Dec 08, 2022
Date Reported : Dec 13, 2022
Report Number : 2247168-2

Page 1 of 1

Sample Number 2227836-1
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Measurement Date Dec 07, 2022

		Stack Description								
Ambient Temperature	33	°C		Diameter	1.53	m		Oxygen	4.84	%
Ambient Pressure	758	mmHg		Shape	Circle			Carbon dioxide	9.88	%
Type of Process	Combustion			Stack Temperature	206	°C		Gas Velocity	4.40	m/s
Type of Fuel	Natural Gas			Moisture	12.60	%		Flow Rate	15797	Nm3/hr
Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm) at Actual O ₂ at 7% O ₂						
1	12:00 PM - 12:20 PM	4.85	9.89	18.54 16.05						
2	12:21 PM - 12:41 PM	4.86	9.87	18.63 16.15						
3	12:42 PM - 01:02 PM	4.82	9.89	18.65 16.12						
Average (ppm)		4.84	9.88	18.61 16.11						
Guideline ^{1/} (ppm)										
Guideline ^{2/} (ppm)										
Result (mg/Nm ³)										
Emission Rate at Actual O ₂ (g/s)										
Guideline ^{2/} (g/s)										
Method	US EPA Method 7E									

Sampled By : Sakitt 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
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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 : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227839
Date Received : Dec 08, 2022
Date Reported : Dec 14, 2022
Report Number: 2247180-1

Page 1 of 1

Sample Number 2227839-1
Sample Date Dec 07, 2022
Sample Description Emission from Stationary Source
Location Furnace 1
Date Analysis Commenced Dec 08, 2022
Condition of Sample Extracted into one 10-L air sampling bag

Stack Description									
Ambient Pressure	758	mmHg	Diameter	1.40	m	Oxygen	4.8	%	
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	9.8	%	
Type of Process	Combustion		Stack Temperature	198	°C	Gas Velocity	6.5	m/s	
Type of Fuel	Natural Gas		Moisture	14.46	%	Flow Rate (Actual O2)	19416	Nm ³ /hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Methane as Propane	12:30 PM - 12:40 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	12:30 PM - 12:40 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	12:30 PM - 12:40 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pibpa

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

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Approved by

Thanita Kulsumwong
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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 : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227845
Date Received : Dec 08, 2022
Date Reported : Dec 14, 2022
Report Number: 2247214-1

Page 1 of 1

Sample Number 2227845-1
Sample Date Dec 07, 2022
Sample Description Emission from Stationary Source
Location Furnace 2
Date Analysis Commenced Dec 08, 2022
Condition of Sample Extracted into one 10-L air sampling bag

Stack Description									
Ambient Pressure	758	mmHg	Diameter	1.53	m	Oxygen	4.8	%	
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	9.9	%	
Type of Process	Combustion		Stack Temperature	206	°C	Gas Velocity	4.4	m/s	
Type of Fuel	Natural Gas		Moisture	12.57	%	Flow Rate (Actual O2)	15784	Nm ³ /hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Methane as Propane	12:15 PM - 12:25 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	12:15 PM - 12:25 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	12:15 PM - 12:25 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Kantaphon Maneesampan

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

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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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2236709
Date Received : Dec 08, 2022
Date Reported : Dec 14, 2022
Report Number: 2267057-1

Page 1 of 1

Sample Number	2236709-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Hold Up Hopper 1 (GPS 47P 0733995, 1404455)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

Stack Description						
Ambient Pressure	758	mmHg	Diameter	0.25	m	Oxygen
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide
Type of Process	Process		Stack Temperature	46.0	°C	Gas Velocity
Type of Fuel	-		Moisture	2.92	%	Flow Rate (Actual O2)
						571 Nm ³ /hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
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Air Testing								
Carbon Monoxide	12:05 PM - 12:15 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 : Sathaporn Thakkarw

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

Thanitak.

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D. J. J. J.

Approved by

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S.Vaporn@AirStack_NGL.pl (2.00PM)



Analysis / Test Report

Client: Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2236709
Date Received : Dec 08, 2022
Date Reported : Dec 14, 2022
Report Number: 2267057-2

Page 1 of 1

Sample Number	2236709-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Hold Up Hopper 1 (GPS 47P 0733995, 1404455)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

Stack Description						
Ambient Pressure	758	mmHg	Diameter	0.25	m	Oxygen
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide
Type of Process	Process		Stack Temperature	46.0	°C	Gas Velocity
Type of Fuel	-		Moisture	2.92	%	Flow Rate (Actual O2)
						571 Nm ³ /hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
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Air Testing							
Carbon dioxide	12:05 PM - 12:15 PM	ppm	-	1.0	362	United States Environmental Protection Agency, EPA, Method 3	Rayong
Methane as Propane	12:05 PM - 12:15 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	12:05 PM - 12:15 PM	ppm	-	0.4	917	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	12:05 PM - 12:15 PM	ppm	-	0.4	917	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Sathaporn Thakkarw

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

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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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2236710
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267061-1

Page 1 of 1

Sample Number	2236710-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Blenders 1 (GPS 47P 0733984, 1404492)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

		Stack Description			
Ambient Pressure	758	mmHg	Diameter	0.60	m
Ambient Temperature	33.0	°C	Shape	Circle	
Type of Process	Process		Stack Temperature	48.0	°C
Type of Fuel	-		Moisture	1.59	%
			Flow Rate (Actual O2)		%
					1206 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
---------	--------------	------	-----	-----------	--------	-----------------	--------	------------------

Air Testing								
Carbon Monoxide	11:20 AM - 11:30 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 : Sathaporn Thakkarw

Remark :

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

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S (Reports)_Air Stack_G1.pdf (10/10AM)



Analysis / Test Report

Client: Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2236710
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267061-2

Page 1 of 1

Sample Number	2236710-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Blenders 1 (GPS 47P 0733984, 1404492)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

		Stack Description			
Ambient Pressure	758	mmHg	Diameter	0.60	m
Ambient Temperature	33.0	°C	Shape	Circle	
Type of Process	Process		Stack Temperature	48.0	°C
Type of Fuel	-		Moisture	1.59	%
			Flow Rate (Actual O2)		%
					1206 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
---------	--------------	------	-----	-----------	--------	--------	------------------

Air Testing							
Carbon dioxide	11:20 AM - 11:30 AM	ppm	-	1.0	376	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	11:20 AM - 11:30 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	11:20 AM - 11:30 AM	ppm	-	0.4	335	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	11:20 AM - 11:30 AM	ppm	-	0.4	335	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Sathaporn Thakkarw

Remark :

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

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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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2236711
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267064-1

Page 1 of 1

Sample Number	2236711-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Spin Dryer 1 (GPS 47P 073367, 1404426)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

Stack Description					
Ambient Pressure	758	mmHg	Diameter	0.63 x 0.63	m
Ambient Temperature	33.0	°C	Shape	Square	
Type of Process	Process		Stack Temperature	42.0	°C
Type of Fuel	-		Moisture	2.70	%
			Flow Rate (Actual O2)		%
			Flow Rate (Actual O2)		Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
---------	--------------	------	-----	-----------	--------	-----------------	--------	------------------

Air Testing								
Carbon Monoxide	12:35 PM - 12:45 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 : Sathaporn Thakkarw

Remark :

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

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S (Reports)_Air Stack_G1.pdf (10.39kb)



Analysis / Test Report

Client: Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2236711
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267064-2

Page 1 of 1

Sample Number	2236711-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Spin Dryer 1 (GPS 47P 073367, 1404426)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

Stack Description					
Ambient Pressure	758	mmHg	Diameter	0.63 x 0.63	m
Ambient Temperature	33.0	°C	Shape	Square	
Type of Process	Process		Stack Temperature	42.0	°C
Type of Fuel	-		Moisture	2.70	%
			Flow Rate (Actual O2)		%
			Flow Rate (Actual O2)		Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
---------	--------------	------	-----	-----------	--------	--------	------------------

Air Testing							
Carbon dioxide	12:35 PM - 12:45 PM	ppm	-	1.0	381	United States Environmental Protection Agency, EPA, Method 3	Rayong
Methane as Propane	12:35 PM - 12:45 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	12:35 PM - 12:45 PM	ppm	-	0.4	42.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	12:35 PM - 12:45 PM	ppm	-	0.4	42.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Sathaporn Thakkarw

Remark :

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

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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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2236712
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267068-1

Page 1 of 1

Sample Number	2236712-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Spin Dryer 2 (GPS 47P 0733732, 1404276)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

Stack Description									
Ambient Pressure	758	mmHg	Diameter	0.63 x 0.80	m	Oxygen	20.9	%	
Ambient Temperature	33.0	°C	Shape	Rectangular		Carbon Dioxide	0.0	%	
Type of Process	Process		Stack Temperature	50.0	°C	Gas Velocity	7.9	m/s	
Type of Fuel	-		Moisture	2.69	%	Flow Rate (Actual O2)	12788	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
---------	--------------	------	-----	-----------	--------	-----------------	--------	------------------

Air Testing								
Carbon Monoxide	11:40 AM - 11:50 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 : Warawut Pulpia

Remark :

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

Thanitak.

Technical Management

Thanita Kulnirong
Scientist (4)
หมายเลข 3-323-9-9447

D. J. J. J.

Approved by

Dej Changchon
Senior Manager
หมายเลข 3-323-9-9442

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S (Reports)_Air Stack_G1.pdf (10.49kb)



Analysis / Test Report

Client: Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2236712
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267068-2

Page 1 of 1

Sample Number	2236712-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Spin Dryer 2 (GPS 47P 0733732, 1404276)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

Stack Description									
Ambient Pressure	758	mmHg	Diameter	0.63 x 0.80	m	Oxygen	20.9	%	
Ambient Temperature	33.0	°C	Shape	Rectangular		Carbon Dioxide	0.0	%	
Type of Process	Process		Stack Temperature	50.0	°C	Gas Velocity	7.9	m/s	
Type of Fuel	-		Moisture	2.69	%	Flow Rate (Actual O2)	12788	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
---------	--------------	------	-----	-----------	--------	--------	------------------

Air Testing							
Carbon dioxide	11:40 AM - 11:50 AM	ppm	-	1.0	379	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	11:40 AM - 11:50 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	11:40 AM - 11:50 AM	ppm	-	0.4	37.3	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	11:40 AM - 11:50 AM	ppm	-	0.4	37.3	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pulpia

Remark :

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

Thanitak.

Approved by

Thanita Kulnirong
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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2236713
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267070-1

Page 1 of 1

Sample Number	2236713-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Hold Up Hopper 2 (GPS 47P 0734013, 1404453)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

Stack Description							
Ambient Pressure	758	mmHg	Diameter	0.20	m	Oxygen	20.9 %
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	45.0	°C	Gas Velocity	7.8 m/s
Type of Fuel	-		Moisture	1.37	%	Flow Rate (Actual O2)	813 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
---------	--------------	------	-----	-----------	--------	-----------------	--------	------------------

Air Testing								
Carbon Monoxide	11:00 AM - 11:10 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 : Warawut Pulpipa

Remark :

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

Thanitak.

Technical Management

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D. J. J. J.

Approved by

Dej Changchon
Senior Manager
หมายเลข 3-323-9-9442

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S (Reports)_Air Stack_G1.pdf (10/17AM)



Analysis / Test Report

Client: Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2236713
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267070-2

Page 1 of 1

Sample Number	2236713-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Hold Up Hopper 2 (GPS 47P 0734013, 1404453)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

Stack Description							
Ambient Pressure	758	mmHg	Diameter	0.20	m	Oxygen	20.9 %
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	45.0	°C	Gas Velocity	7.8 m/s
Type of Fuel	-		Moisture	1.37	%	Flow Rate (Actual O2)	813 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
---------	--------------	------	-----	-----------	--------	--------	------------------

Air Testing							
Carbon dioxide	11:00 AM - 11:10 AM	ppm	-	1.0	381	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	620	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	11:00 AM - 11:10 AM	ppm	-	0.4	620	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pulpipa

Remark :

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

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Approved by

Thanita Kulsumwong
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S (Reports)_Air Stack_N6L.pdf (10/17AM)



Analysis / Test Report

Client: Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2236714
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267073-1

Page 1 of 1

Sample Number	2236714-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

		Stack Description			
Ambient Pressure	758	mmHg	Diameter	0.30	m
Ambient Temperature	33.0	°C	Shape	Circle	
Type of Process	Process		Stack Temperature	38.0	°C
Type of Fuel	-		Moisture	2.03	%
			Flow Rate (Actual O2)		%
					Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
---------	--------------	------	-----	-----------	--------	-----------------	--------	------------------

Air Testing								
Carbon Monoxide	10:00 AM - 10:10 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 : Warawut Pulpia

Remark :

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

Thanitak.

Technical Management

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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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2236714
Date Received : Dec 08, 2022
Date Reported : Dec 15, 2022
Report Number: 2267073-2

Page 1 of 1

Sample Number	2236714-1
Sample Date	Dec 08, 2022
Sample Description	Emission from Stationary Source
Location	Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced	Dec 09, 2022
Condition of Sample	Extracted into two 10-L air sampling bags

		Stack Description			
Ambient Pressure	758	mmHg	Diameter	0.30	m
Ambient Temperature	33.0	°C	Shape	Circle	
Type of Process	Process		Stack Temperature	38.0	°C
Type of Fuel	-		Moisture	2.03	%
			Flow Rate (Actual O2)		%
					Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
---------	--------------	------	-----	-----------	--------	--------	------------------

Air Testing							
Carbon dioxide	10:00 AM - 10:10 AM	ppm	-	1.0	400	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	10:00 AM - 10:10 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	10:00 AM - 10:10 AM	ppm	-	0.4	418	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	10:00 AM - 10:10 AM	ppm	-	0.4	418	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pulpia

Remark :

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

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Approved by

Thanita Kulsumwong
Scientist (4)

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client: Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22143999

Date Received : Dec 13, 2022

Date Reported : Dec 19, 2022

Report Number: 2524337-1

Page 1 of 1

Sample Description	Air Quality											
Location	บ้านนาโรง (โรงงานพลาสติกพอลิเอทิลีน)											
Parameter	Nitrogen dioxide (ppm)											
Measurement Date	Dec 03, 2022 - Dec 10, 2022											
Measurement by	Noranon Taibongkham											

Time	22143999-1	22143999-2	22143999-3	22143999-4	22143999-5	22143999-6	22143999-7
10:00 AM - 11:00 AM	0.002	<0.001	<0.001	<0.001	0.001	0.002	0.002
11:00 AM - 12:00 PM	0.002	0.001	<0.001	<0.001	0.001	0.002	0.002
12:00 PM - 01:00 PM	0.001	0.001	<0.001	<0.001	<0.001	0.003	0.003
01:00 PM - 02:00 PM	<0.001	0.001	<0.001	0.001	0.004	0.002	0.002
02:00 PM - 03:00 PM	0.001	0.001	0.001	0.001	<0.001	0.004	0.002
03:00 PM - 04:00 PM	0.002	0.002	0.001	0.001	<0.001	0.007	0.003
04:00 PM - 05:00 PM	0.002	0.002	0.002	0.001	0.001	0.004	0.002
05:00 PM - 06:00 PM	0.002	0.001	0.002	0.001	0.001	0.004	0.002
06:00 PM - 07:00 PM	0.002	0.002	0.001	0.001	<0.001	0.006	0.002
07:00 PM - 08:00 PM	0.002	0.002	0.002	0.001	<0.001	0.010	0.002
08:00 PM - 09:00 PM	0.002	0.001	0.001	0.002	0.002	0.004	0.002
09:00 PM - 10:00 PM	<0.001	0.001	<0.001	0.002	0.001	0.003	0.002
10:00 PM - 11:00 PM	0.001	0.001	0.001	0.001	0.001	0.006	0.003
11:00 PM - 12:00 AM	0.001	0.001	0.001	0.001	0.002	0.002	0.002
12:00 AM - 01:00 AM	0.001	0.002	<0.001	<0.001	0.005	0.001	0.003
01:00 AM - 02:00 AM	0.002	0.002	0.004	0.001	0.001	0.002	0.002
02:00 AM - 03:00 AM	0.002	0.004	0.008	0.002	0.001	0.002	0.002
03:00 AM - 04:00 AM	0.006	0.006	0.007	0.004	0.001	0.002	0.003
04:00 AM - 05:00 AM	0.005	0.004	0.004	0.004	0.002	0.002	0.003
05:00 AM - 06:00 AM	0.002	0.002	0.002	0.001	0.001	0.002	0.002
06:00 AM - 07:00 AM	0.001	<0.001	<0.001	0.001	0.001	0.002	0.003
07:00 AM - 08:00 AM	<0.001	<0.001	<0.001	0.001	0.001	0.002	0.003
08:00 AM - 09:00 AM	0.001	<0.001	<0.001	0.001	0.001	0.002	0.004
09:00 AM - 10:00 AM	<0.001	<0.001	<0.001	0.001	0.002	0.002	0.004
Average	0.002	0.002	0.002	0.001	0.001	0.003	0.003
1hr - Maximum	0.006	0.006	0.008	0.004	0.005	0.010	0.004
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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Supervisor

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S: Reports_LAN_SON@ox.re (2:22PM)



Analysis / Test Report

Client: Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22143999

Date Received : Dec 13, 2022

Date Reported : Dec 19, 2022

Report Number: 2524338-1

Page 1 of 1

Sample Description	Air Quality											
Location	บ้านนาโรง											
Parameter	Nitrogen dioxide (ppm)											
Measurement Date	Dec 03, 2022 - Dec 10, 2022											
Measurement by	Noranon Taibongkham											

Time	22143999-8	22143999-9	22143999-10	22143999-11	22143999-12	22143999-13	22143999-14
11:00 AM - 12:00 PM	0.001	0.001	0.001	<0.001	0.001	0.001	<0.001
12:00 PM - 01:00 PM	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001
01:00 PM - 02:00 PM	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001
02:00 PM - 03:00 PM	<0.001	0.001	0.002	<0.001	<0.001	<0.001	<0.001
03:00 PM - 04:00 PM	<0.001	0.001	0.002	0.001	0.001	0.001	0.001
04:00 PM - 05:00 PM	<0.001	0.001	0.002	0.002	0.002	0.002	0.002
05:00 PM - 06:00 PM	<0.001	0.002	0.002	0.002	0.002	0.002	0.003
06:00 PM - 07:00 PM	<0.001	0.002	0.001	0.001	0.001	0.001	<0.001
07:00 PM - 08:00 PM	0.001	0.002	<0.001	0.001	0.001	0.001	<0.001
08:00 PM - 09:00 PM	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001
09:00 PM - 10:00 PM	0.001	0.002	0.001	0.001	0.001	<0.001	<0.001
10:00 PM - 11:00 PM	<0.001	0.001	0.001	0.001	0.001	<0.001	<0.001
11:00 PM - 12:00 AM	0.002	0.001	0.001	0.001	<0.001	<0.001	0.001
12:00 AM - 01:00 AM	0.002	0.001	0.001	0.001	<0.001	<0.001	0.001
01:00 AM - 02:00 AM	0.002	0.002	0.001	0.001	0.001	<0.001	0.001
02:00 AM - 03:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
03:00 AM - 04:00 AM	0.001	0.002	0.002	0.002	0.001	0.001	0.002
04:00 AM - 05:00 AM	0.002	0.002	0.002	0.002	<0.001	0.002	0.002
05:00 AM - 06:00 AM	0.002	0.002	0.002	0.002	0.001	0.002	0.002
06:00 AM - 07:00 AM	0.003	0.002	0.002	0.001	0.002	0.004	0.001
07:00 AM - 08:00 AM	0.003	0.002	0.003	0.001	0.003	0.002	0.001
08:00 AM - 09:00 AM	0.002	0.002	0.002	0.002	0.002	0.001	0.001
09:00 AM - 10:00 AM	0.002	0.002	0.001	0.001	0.001	0.001	<0.001
10:00 AM - 11:00 AM	0.002	0.002	0.001	<0.001	0.001	0.001	<0.001
Average	0.001	0.002	0.001	0.001	0.001	0.001	0.001
1hr - Maximum	0.003	0.002	0.002	0.002	0.003	0.004	0.003
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

Sarat Mongkornjirawat
Supervisor

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S: Reports_LAN_SON@ox.re (2:22PM)



Analysis / Test Report

Client: Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

Lot ID: 22119552

Date Received: Dec 13, 2022

Date Reported: Dec 19, 2022

Report Number: 2524353-1

P/O : 4512635056, 4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut PE (SPE)

Page 1 of 1

Sample Description		Air Quality													
Location	Parameter	จุดตรวจวัดที่ 3: วัดถนน (GPS 47P0735177, 1405879)													
Measurement Date	Measurement Day	Nitrogen dioxide (ppm)													
		Noranon Tathongkhram													
Time		22119552-8		22119552-9		22119552-10		22119552-11		22119552-12		22119552-13		22119552-14	
		Dec 03, 2022	Dec 04, 2022	Dec 03, 2022	Dec 04, 2022	Dec 05, 2022	Dec 06, 2022	Dec 07, 2022	Dec 08, 2022	Dec 09, 2022	Dec 10, 2022	Dec 11, 2022	Dec 12, 2022	Dec 13, 2022	Dec 14, 2022
09:00 AM - 10:00 AM		<0.001	<0.001	<0.001	<0.001	<0.001	0.003	0.006	0.007	0.003	0.006	0.008	0.007	0.003	0.003
10:00 AM - 11:00 AM		0.001	<0.001	<0.001	<0.001	<0.001	0.004	0.006	0.006	0.006	0.006	0.006	0.007	0.005	0.007
11:00 AM - 12:00 PM		0.001	<0.001	<0.001	<0.001	0.001	0.004	0.006	0.006	<0.001	0.006	<0.001	0.006	0.006	0.006
12:00 PM - 01:00 PM		0.002	<0.001	<0.001	<0.001	0.005	0.004	0.006	0.002	0.002	0.006	0.002	0.005	0.005	0.005
01:00 PM - 02:00 PM		0.001	0.001	0.001	0.004	0.004	0.002	0.007	0.006	0.006	0.007	0.006	0.005	0.005	0.005
02:00 PM - 03:00 PM		0.001	<0.001	<0.001	0.005	0.005	0.002	0.005	0.005	0.002	0.005	0.005	0.002	0.002	0.002
03:00 PM - 04:00 PM		0.001	<0.001	<0.001	0.005	0.005	0.001	0.004	0.003	0.003	0.004	0.003	0.005	0.005	0.005
04:00 PM - 05:00 PM		0.001	<0.001	<0.001	0.004	0.004	0.001	0.003	0.005	0.003	0.003	0.005	0.006	0.006	0.006
05:00 PM - 06:00 PM		<0.001	<0.001	<0.001	0.001	0.002	0.001	0.004	0.003	0.004	0.003	0.003	0.004	0.004	0.004
06:00 PM - 07:00 PM		0.001	0.001	0.001	0.002	0.002	0.001	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004
07:00 PM - 08:00 PM		0.001	0.001	0.001	<0.001	<0.001	0.001	0.004	0.003	0.003	0.004	0.003	0.006	0.006	0.006
08:00 PM - 09:00 PM		0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.005	0.002	0.003	0.005	0.002	0.003	0.003	0.003
09:00 PM - 10:00 PM		0.001	0.001	0.001	<0.001	<0.001	0.001	0.005	0.001	0.001	0.005	0.001	0.004	0.001	0.001
10:00 PM - 11:00 PM		0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.005	0.001	0.001	0.005	0.001	0.004	0.001	0.001
11:00 PM - 12:00 AM		<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.003	0.001	0.001	0.003	0.001	0.002	0.002	0.002
12:00 AM - 01:00 AM		0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.001	0.001	0.002	0.001	0.001	0.001	0.001
01:00 AM - 02:00 AM		0.001	0.001	0.001	<0.001	<0.001	0.003	0.002	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001
02:00 AM - 03:00 AM		<0.001	<0.001	<0.001	<0.001	<0.001	0.005	0.005	0.003	0.003	0.005	0.003	0.004	0.004	0.004
03:00 AM - 04:00 AM		<0.001	<0.001	<0.001	<0.001	<0.001	0.006	0.008	0.004	0.004	0.008	0.004	<0.001	<0.001	<0.001
04:00 AM - 05:00 AM		<0.001	0.001	0.001	<0.001	<0.001	0.006	0.006	0.004	0.004	0.006	0.004	0.005	0.005	0.005
05:00 AM - 06:00 AM		0.005	0.003	0.003	0.003	0.001	0.006	0.005	0.004	0.004	0.005	0.004	0.004	0.004	0.004
06:00 AM - 07:00 AM		0.004	<0.001	<0.001	<0.001	0.002	0.006	0.005	0.002	0.002	0.005	0.002	0.005	0.005	0.005
07:00 AM - 08:00 AM		0.001	0.001	0.001	0.002	0.002	0.006	0.006	0.003	0.003	0.006	0.003	0.006	0.006	0.006
08:00 AM - 09:00 AM		<0.001	0.002	0.002	0.003	0.003	0.006	0.007	0.004	0.004	0.007	0.004	0.003	0.003	0.003
Average		0.001	<0.001	<0.001	<0.001	0.002	0.003	0.005	0.003	0.003	0.005	0.003	0.004	0.003	0.004
1hr - Maximum		0.005	0.003	0.003	0.005	0.005	0.006	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.007
Standard 1hr - Average		0.170	0.170	0.170	0.170	0.170	0.170	0.170	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 EPAMethod Part 50 App. F (Chemiluminescence)

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Approved by

Sarat Mongkunjirawut
Supervisor

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S:\Reports\ Air SOxNOx.mxd (2:34PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number	22119556-1				
Sampled Date	Dec 07, 2022				
Sample Description	Air Quality				
Location	บ้านท่าเรือ (โรงงานอุตสาหกรรมท่าเรือ) (GPS 47P 0735531, 1402769)				
Date Analysis Commenced	Dec 13, 2022				
Condition of Sample	Drawn into one 10-L air sampling bag				
Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Method
Air Testing					
Non-Methane Hydrocarbon as Propane	07/12/22 - 08/12/22	ppm	-	0.4	EPA 40 CFR Part 50, Appendix C

Sampled By : Jakkarin Manwicha

Remark :

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

Thanitak.

Approved by

Thanita Kulsunwong
Scientist (4)

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Analysis / Test Report

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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number	22119556-2				
Sampled Date	Dec 08, 2022				
Sample Description	Air Quality				
Location	บ้านท่าเรือ (โรงงานอุตสาหกรรมท่าเรือ) (GPS 47P 0735531, 1402769)				
Date Analysis Commenced	Dec 13, 2022				
Condition of Sample	Drawn into one 10-L air sampling bag				
Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Method
Air Testing					
Non-Methane Hydrocarbon as Propane	08/12/22 - 09/12/22	ppm	-	0.4	EPA 40 CFR Part 50, Appendix C

Sampled By : Jakkarin Manwicha

Remark :

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

Approved by

Thanitak.

Thanita Kulsunwong
Scientist (4)

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Analysis / Test Report

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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number 22119556-3
Sampled Date Dec 09, 2022
Sample Description Air Quality
Location บ้านนาเกลือ (ตำบลนาเกลือ อำเภอนาเกลือ จังหวัดระยอง) (GPS 47P 0735531, 1402769)
Date Analysis Commenced Dec 13, 2022
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	09/12/22 - 10/12/22	ppm	-	0.4	<0.4	EPA-40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarin Manwicha

Remark :

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

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Approved by

Thanita Kulsunwong
Scientist (4)

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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number 22119556-4
Sampled Date Dec 07, 2022
Sample Description Air Quality
Location บ้านนาเกลือ (GPS 47P 0735346, 1406705)
Date Analysis Commenced Dec 13, 2022
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	07/12/22 - 08/12/22	ppm	-	0.4	<0.4	EPA-40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarin Manwicha

Remark :

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

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Thanita Kulsunwong
Scientist (4)

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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)
Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number 22119556-5
Sample Date Dec 08, 2022
Sample Description Air Quality
Location บ้านนาหว้า (GPS 47P 0735346, 1406705)
Date Analysis Commenced Dec 13, 2022
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	08/12/22 - 09/12/22	ppm	-	0.4	<0.4	EPA 40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarn Manwicha

Remark :

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

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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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)
Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number 22119556-6
Sample Date Dec 09, 2022
Sample Description Air Quality
Location บ้านนาหว้า (GPS 47P 0735346, 1406705)
Date Analysis Commenced Dec 13, 2022
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	09/12/22 - 10/12/22	ppm	-	0.4	1.8	EPA 40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarn Manwicha

Remark :

- LOD : Limit of Detection
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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)
Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number 22119556-7
Sample Date Dec 07, 2022
Sample Description Air Quality
Location อรัณยนิคมอุตสาหกรรม (GPS 47P 0735179, 1405880)
Date Analysis Commenced Dec 13, 2022
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	07/12/22 - 08/12/22	ppm	-	0.4	<0.4	EPA-40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarin Manwicha

Remark :

- LOD : Limit of Detection
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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)
Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number 22119556-8
Sample Date Dec 08, 2022
Sample Description Air Quality
Location อรัณยนิคมอุตสาหกรรม (GPS 47P 0735179, 1405880)
Date Analysis Commenced Dec 13, 2022
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	08/12/22 - 09/12/22	ppm	-	0.4	<0.4	EPA-40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarin Manwicha

Remark :

- LOD : Limit of Detection
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Analysis / Test Report

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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number 22119556-9
Sample Date Dec 09, 2022
Sample Description Air Quality
Location อรัณยธารนิคมอุตสาหกรรม (GPS 47P 0735179, 1405880)
Date Analysis Commenced Dec 13, 2022
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	09/12/22 - 10/12/22	ppm	-	0.4	<0.4	EPA-40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarn Manwicha

Remark :

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

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Approved by

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Analysis / Test Report

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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

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Sample Number 22119556-10
Sample Date Dec 07, 2022
Sample Description Air Quality
Location อรัณยธารนิคมอุตสาหกรรม (GPS 47P 0735177, 1408579)
Date Analysis Commenced Dec 13, 2022
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	07/12/22 - 08/12/22	ppm	-	0.4	<0.4	EPA-40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarn Manwicha

Remark :

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

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Analysis / Test Report

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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)
Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

Page 11 of 12

Sample Number	22119556-11						
Sample Date	Dec 08, 2022						
Sample Description	Air Quality						
Location	จุดเก็บตัวอย่างคุณภาพอากาศ (GPS 47P 0735177, 1408579)						
Date Analysis Commenced	Dec 13, 2022						
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	08/12/22 - 09/12/22	ppm	-	0.4	<0.4	EPA 40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarn Manwicha

Remark :

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

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Analysis / Test Report

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P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)
Lot ID: 22119556
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447575-1C5

Page 12 of 12

Sample Number	22119556-12						
Sampled Date	Dec 09, 2022						
Sample Description	Air Quality						
Location	จุดเก็บตัวอย่างคุณภาพอากาศ (GPS 47P 0735177, 1408579)						
Date Analysis Commenced	Dec 13, 2022						
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	09/12/22 - 10/12/22	ppm	-	0.4	<0.4	EPA 40 CFR Part 50, Appendix C	Rayong

Sampled By : Jakkarn Manwicha

Remark :

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

The above results are valid only for the analyzed sample(s) as indicated in the report. The results are not valid for other sample(s) without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Thanitak.

Thanita Kulsunwong
Scientist (4)

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469-122 ENL



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 : 22144000

Date Received : Dec 13, 2022

Date Reported : Dec 20, 2022

Report Number : 2504610-1

Page 1 of 2

Sample Number : 22144000-1 to 7

Parameter : Wind Speed / Wind Direction

Location : อู่เรือ (ท่าเรืออุตสาหกรรมมาบตาพุด)

Sampling Date : Dec 03 - Dec 10, 2022

Sampling by : Noranon Tabongkham

Time		Dec 03 - Dec 04		Dec 04 - Dec 05		Dec 05 - Dec 06		Dec 06 - Dec 07		Dec 07 - Dec 08		Dec 08 - Dec 09		Dec 09 - Dec 10									
		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		2.6	12.0	NNE	0.2	-	-	-	1.3	37.0	NE	1.5	24.0	NNE	0.0	-	0.5	195.0	SSW				
11:00 AM - 12:00 PM		2.6	16.0	NNE	0.4	21.0	NNE	0.0	-	0.0	-	1.7	24.0	NNE	0.3	0.0	N	0.7	343.0	NNW			
12:00 PM - 01:00 PM		2.4	11.0	N	0.0	-	-	-	0.3	357.0	N	0.8	2.0	N	0.0	-	-	0.4	92.0	E			
01:00 PM - 02:00 PM		2.8	13.0	NNE	0.0	-	2.1	49.0	NE	0.1	-	0.9	9.0	N	0.3	8.0	N	0.0	-	-			
02:00 PM - 03:00 PM		0.3	6.0	N	0.1	-	-	0.5	34.0	NE	0.2	-	0.0	-	-	0.0	-	-	0.3	74.0	ENE		
03:00 PM - 04:00 PM		0.9	22.0	NNE	0.1	-	0.1	-	0.0	-	0.0	-	0.8	5.0	N	0.4	124.0	SE	0.2	-			
04:00 PM - 05:00 PM		1.8	68.0	ENE	0.0	-	-	0.6	74.0	ENE	0.1	-	-	0.6	351.0	N	0.6	200.0	SSW	0.2	-		
05:00 PM - 06:00 PM		1.4	36.0	NE	1.2	87.0	E	0.0	-	0.6	122.0	ESE	1.0	356.0	N	0.6	235.0	SW	0.1	-			
06:00 PM - 07:00 PM		1.5	8.0	N	0.0	-	-	0.7	110.0	ESE	0.4	131.0	SE	0.5	356.0	N	0.3	191.0	S	0.3	123.0	ESE	
07:00 PM - 08:00 PM		0.6	69.0	ENE	0.2	-	0.3	103.0	ESE	1.1	114.0	ESE	0.2	-	-	0.5	239.0	W	0.2	-	-		
08:00 PM - 09:00 PM		0.2	-	0.3	127.0	SE	0.0	-	0.2	-	-	0.9	254.0	WSW	0.4	248.0	WSW	0.0	-	-	-		
09:00 PM - 10:00 PM		0.3	0.0	N	0.1	-	-	0.3	152.0	SSE	0.5	163.0	SSE	0.4	260.0	W	0.6	80.0	E	0.6	185.0	S	
10:00 PM - 11:00 PM		0.4	14.0	NNE	0.1	-	-	0.0	-	0.8	151.0	SSE	0.5	24.0	NNE	0.7	52.0	NE	0.2	-	-		
11:00 PM - 12:00 AM		0.9	14.0	NNE	0.1	-	-	0.8	214.0	SW	0.6	152.0	SSE	0.6	25.0	NNE	0.9	52.0	NE	0.2	-	-	
12:00 AM - 01:00 AM		0.6	14.0	NNE	0.8	105.0	ESE	0.0	-	0.8	212.0	SSW	0.4	81.0	E	0.4	25.0	NNE	1.3	51.0	NE	0.2	-
01:00 AM - 02:00 AM		0.6	14.0	NNE	1.2	106.0	ESE	0.7	213.0	SSW	0.6	86.0	E	0.1	-	-	1.2	52.0	NE	1.9	275.0	W	
02:00 AM - 03:00 AM		0.6	14.0	NNE	1.5	104.0	ESE	0.0	-	0.6	86.0	E	0.6	25.0	NNE	0.4	51.0	NE	1.6	274.0	W		
03:00 AM - 04:00 AM		0.1	-	-	0.0	-	0.0	-	0.0	-	0.6	81.0	E	0.4	25.0	NNE	0.5	52.0	NE	0.5	273.0	W	
04:00 AM - 05:00 AM		0.2	-	-	0.5	104.0	ESE	0.0	-	0.1	-	-	0.8	24.0	NNE	0.6	52.0	NE	0.6	274.0	W		
05:00 AM - 06:00 AM		0.0	-	0.6	104.0	ESE	0.5	94.0	E	1.8	85.0	E	1.6	24.0	NNE	1.1	51.0	NE	0.6	274.0	W		
06:00 AM - 07:00 AM		0.0	-	-	0.0	-	-	0.5	136.0	SE	0.8	84.0	E	1.4	342.0	NNW	1.1	52.0	NE	0.7	221.0	SW	
07:00 AM - 08:00 AM		0.1	-	-	0.6	104.0	ESE	0.6	9.0	N	0.9	359.0	N	0.6	343.0	NNW	0.2	-	-	0.1	-	-	
08:00 AM - 09:00 AM		0.0	-	0.6	104.0	ESE	0.5	341.0	NNW	0.7	310.0	NW	1.8	10.0	N	0.3	53.0	NE	0.2	-	-		
09:00 AM - 10:00 AM		0.3	0.0	N	0.6	82.0	E	0.4	11.0	N	1.6	24.0	NNE	1.7	0.0	N	0.6	353.0	N	0.0	-	-	

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayu Thirant

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut PE (SPE)

Lot ID : 22144000

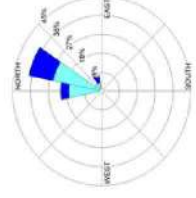
Date Received : Dec 13, 2022

Date Reported : Dec 20, 2022

Report Number : 2504610-1

Page 2 of 2

Wind Rose



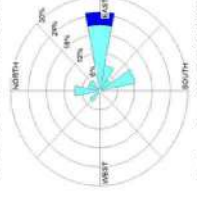
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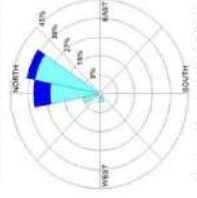
Date : Dec 04-05, 2022



Date : Dec 05-06, 2022



Date : Dec 06-07, 2022



Date : Dec 07-08, 2022



Date : Dec 08-09, 2022

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	6.55
0.3-1.7	60.12
Calms	33.33

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut PE (SPE)

Lot ID : 22144000

Date Received : Dec 13, 2022

Date Reported : Dec 20, 2022

Report Number : 2504610-1

Page 1 of 2

Sample Number : 22144000-8 to 14

Parameter : Wind Speed / Wind Direction

Location : จันทบุรี

Sampling Date : Dec 03 - Dec 10, 2022

Sampling by : Norranon Tabongkhom

Time	Dec 03 - Dec 04, 2022	Dec 04 - Dec 05, 2022	Dec 05 - Dec 06, 2022	Dec 06 - Dec 07, 2022	Dec 07 - Dec 08, 2022	Dec 08 - Dec 09, 2022	Dec 09 - Dec 10, 2022
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	0.3 355.0 N	3.2 30.0 NNE	1.9 94.0 E	1.5 53.0 NE	1.0 49.0 NE	0.8 353.0 N	0.8 156.0 SSE
12:00 PM - 01:00 PM	0.3 6.0 N	2.5 44.0 NE	1.0 154.0 SSE	1.4 46.0 NE	1.6 359.0 N	0.3 359.0 N	0.7 15.0 NNE
01:00 PM - 02:00 PM	0.5 35.0 NNE	2.1 50.0 NE	2.1 42.0 NE	1.0 71.0 ENE	0.7 291.0 WNW	1.0 106.0 ESE	1.6 10.0 N
02:00 PM - 03:00 PM	0.6 101.0 E	0.5 28.0 NNE	1.6 56.0 NE	2.0 140.0 SE	0.4 242.0 WSW	0.6 36.0 NE	0.9 95.0 E
03:00 PM - 04:00 PM	1.5 25.0 NNE	1.2 90.0 ENE	1.1 60.0 ENE	1.4 94.0 NE	1.1 242.0 WSW	2.1 65.0 E	2.2 229.0 SW
04:00 PM - 05:00 PM	1.0 37.0 NE	1.8 82.0 E	2.2 168.0 SSE	1.6 43.0 NE	1.8 228.0 SW	2.1 25.0 NNE	1.3 209.0 SSW
05:00 PM - 06:00 PM	0.0 -	1.4 30.0 NNE	1.5 144.0 SE	1.7 49.0 NE	0.6 148.0 SSE	0.9 33.0 NNE	0.7 317.0 NW
06:00 PM - 07:00 PM	0.2 -	1.5 43.0 NE	1.2 53.0 NE	0.8 53.0 NE	0.0 -	0.0 -	0.0 -
07:00 PM - 08:00 PM	0.0 -	2.1 23.0 NNE	1.0 46.0 NE	1.3 43.0 NE	1.3 275.0 W	0.3 34.0 NE	0.0 -
08:00 PM - 09:00 PM	0.2 -	1.2 39.0 NE	0.8 25.0 NNE	1.9 36.0 NE	1.1 124.0 SE	0.0 -	0.0 -
09:00 PM - 10:00 PM	0.0 -	2.1 43.0 NE	0.3 22.0 NNE	1.6 33.0 NNE	1.0 280.0 W	0.0 -	0.0 -
10:00 PM - 11:00 PM	0.0 -	1.1 9.0 N	0.2 -	0.7 48.0 NE	1.2 22.0 NNE	0.6 43.0 NE	0.4 37.0 NE
11:00 PM - 12:00 AM	0.2 -	1.1 6.0 N	0.1 -	0.3 37.0 NE	1.2 296.0 WNW	0.2 -	0.3 20.0 NNE
12:00 AM - 01:00 AM	1.2 100.0 E	0.5 40.0 NE	0.7 41.0 NE	0.9 47.0 NE	0.4 157.0 SSE	0.7 37.0 NE	0.6 289.0 WNW
01:00 AM - 02:00 AM	0.5 14.0 NNE	0.0 -	0.5 13.0 NNE	1.6 36.0 NE	0.5 259.0 W	0.6 163.0 SSE	0.8 60.0 ENE
02:00 AM - 03:00 AM	0.4 39.0 NE	0.9 44.0 NE	0.4 36.0 NE	1.8 47.0 NE	0.7 97.0 E	0.3 24.0 NNE	0.8 44.0 NE
03:00 AM - 04:00 AM	1.8 359.0 N	0.6 45.0 NE	0.4 65.0 ENE	1.1 19.0 NNE	0.7 271.0 W	0.3 266.0 W	0.7 40.0 NE
04:00 AM - 05:00 AM	0.3 325.0 NW	0.7 24.0 NNE	1.7 54.0 NE	0.3 42.0 NE	1.6 37.0 NE	0.3 35.0 NE	0.1 -
05:00 AM - 06:00 AM	1.1 27.0 NNE	0.4 33.0 NNE	1.1 48.0 NE	1.0 36.0 NE	0.4 56.0 NE	0.8 27.0 NNE	0.0 -
06:00 AM - 07:00 AM	2.3 53.0 NE	0.0 -	1.1 71.0 ENE	0.8 5.0 N	1.3 55.0 NE	0.6 5.0 N	1.6 299.0 WNW
07:00 AM - 08:00 AM	1.2 394.0 NNW	1.5 36.0 NE	0.9 24.0 NNE	0.7 77.0 ENE	0.4 189.0 S	0.4 281.0 W	0.0 -
08:00 AM - 09:00 AM	0.9 38.0 NE	1.9 49.0 NE	2.0 52.0 NE	1.1 330.0 NNW	0.7 328.0 NNW	0.0 -	0.6 116.0 ESE
09:00 AM - 10:00 AM	1.4 5.0 N	1.3 80.0 E	3.1 53.0 NE	2.6 15.0 NNE	1.6 39.0 NE	0.6 237.0 WSW	1.9 26.0 NNE
10:00 AM - 11:00 AM	1.1 57.0 ENE	1.2 359.0 N	2.1 82.0 E	3.1 45.0 NE	2.3 51.0 NE	1.5 231.0 SW	0.5 148.0 SSE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut PE (SPE)

Lot ID : 22144000

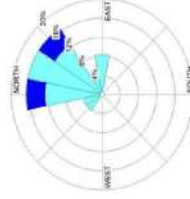
Date Received : Dec 13, 2022

Date Reported : Dec 20, 2022

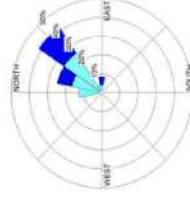
Report Number : 2504610-1

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Wind Rose



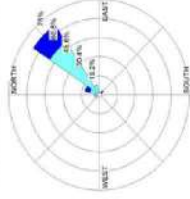
Date : Dec 03-04, 2022



Date : Dec 04-05, 2022



Date : Dec 05-06, 2022



Date : Dec 06-07, 2022



Date : Dec 07-08, 2022



Date : Dec 08-09, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	16.66
0.3-1.7	69.05
Calms	14.29

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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, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 22119553
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447570-1

Page 1 of 2

Sample Number : 22119553-1 to 7
Parameter : Wind Speed / Wind Direction
Location : อุตสาหกรรมปิโตรเลียม (GPS 47P 0735179, 1405880)
Sampling Date : Dec 03 - Dec 10, 2022
Sampling by : Noranon Tabongkham

Time	Dec 03	Dec 04	Dec 05	Dec 06	Dec 07	Dec 08	Dec 09	Dec 10
WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)
10:00 AM - 11:00 AM	0.5	22.0	NNE	1.3	330.0	NNW	0.2	-
11:00 AM - 12:00 PM	0.2	-	0.2	-	0.6	341.0	NNW	0.3
12:00 PM - 01:00 PM	0.1	-	0.1	-	0.5	352.0	N	0.5
01:00 PM - 02:00 PM	0.2	-	0.2	-	0.5	345.0	NNW	1.1
02:00 PM - 03:00 PM	0.3	310.0	NNW	0.9	331.0	NNW	0.2	-
03:00 PM - 04:00 PM	0.6	311.0	NNW	0.1	-	0.3	336.0	NNW
04:00 PM - 05:00 PM	0.7	338.0	NNW	0.3	321.0	NNW	0.1	-
05:00 PM - 06:00 PM	0.3	324.0	NNW	0.5	314.0	NNW	0.6	327.0
06:00 PM - 07:00 PM	1.0	324.0	NNW	0.7	324.0	NNW	0.1	-
07:00 PM - 08:00 PM	0.6	328.0	NNW	0.9	306.0	NNW	0.2	-
08:00 PM - 09:00 PM	0.9	290.0	NNW	0.3	323.0	NNW	0.7	320.0
09:00 PM - 10:00 PM	0.0	-	0.6	201.0	SSW	1.0	309.0	NNW
10:00 PM - 11:00 PM	0.0	-	0.7	306.0	NNW	0.3	343.0	NNW
11:00 PM - 12:00 AM	0.8	341.0	NNW	0.0	-	0.4	272.0	W
12:00 AM - 01:00 AM	0.3	355.0	N	0.9	298.0	NNW	0.1	-
01:00 AM - 02:00 AM	0.6	164.0	SSE	0.2	-	0.2	-	0.2
02:00 AM - 03:00 AM	0.1	-	0.8	299.0	NNW	0.2	-	0.7
03:00 AM - 04:00 AM	0.6	155.0	SSE	0.7	306.0	NNW	0.6	262.0
04:00 AM - 05:00 AM	0.2	-	1.1	350.0	N	0.5	304.0	NNW
05:00 AM - 06:00 AM	0.0	-	0.5	354.0	N	1.1	342.0	NNW
06:00 AM - 07:00 AM	0.0	-	1.2	356.0	N	0.6	328.0	NNW
07:00 AM - 08:00 AM	0.3	207.0	SSW	1.5	284.0	NNW	0.8	353.0
08:00 AM - 09:00 AM	0.8	119.0	ESE	1.8	345.0	NNW	0.3	267.0
09:00 AM - 10:00 AM	0.3	354.0	N	0.6	355.0	N	0.4	150.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above result is valid only for the wind speed and direction (WS/WD) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jitranont
Assistant General Manager

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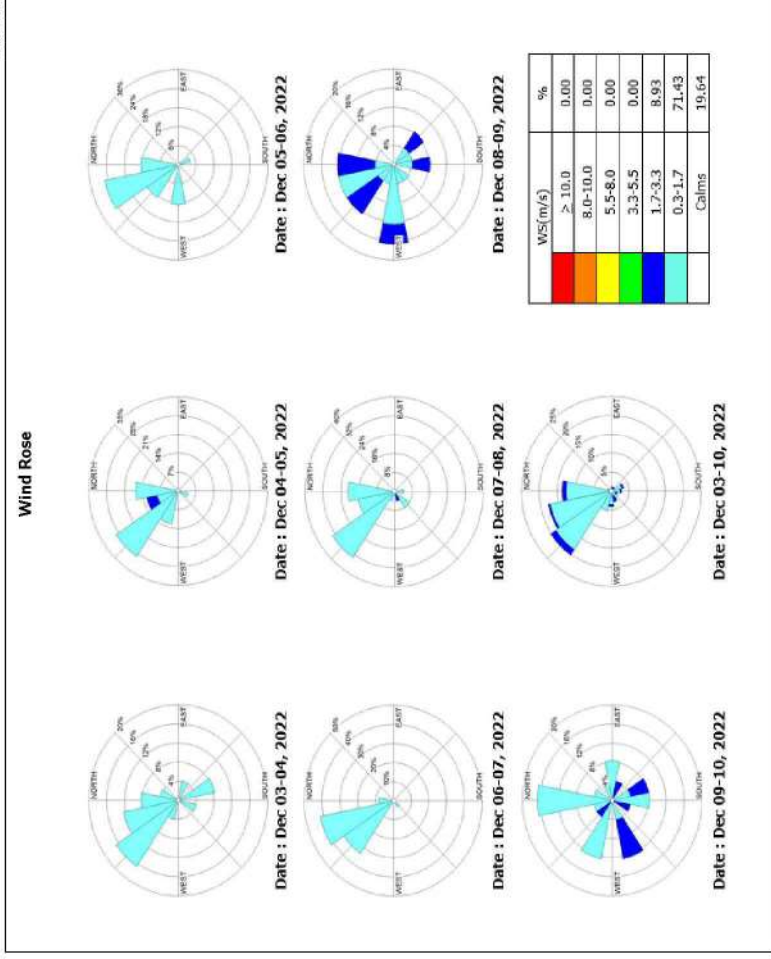


Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 22119553
Date Received : Dec 13, 2022
Date Reported : Dec 20, 2022
Report Number : 2447570-1

Page 2 of 2



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Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut PE (SPE)

Lot ID : 22119553

Date Received : Dec 13, 2022

Date Reported : Dec 20, 2022

Report Number : 2447570-1

Page 1 of 2

Sample Number : 22119553-8 to 14

Parameter : Wind Speed / Wind Direction

Location : กรุงเทพมหานคร (GPS 47P 0735177, 1405879)

Sampling Date : Dec 03 - Dec 10, 2022

Sampling by : Noranon Tabongkham

Time	Dec 03	Dec 04	Dec 05	Dec 06	Dec 07	Dec 08	Dec 09	Dec 10	Dec 2022
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	0.5	345.0	NNW	1.8	343.0	NNW	0.6	339.0	NNW
10:00 AM - 11:00 AM	0.7	314.0	NNW	2.4	355.0	N	1.5	291.0	NNW
11:00 AM - 12:00 PM	1.5	325.0	NW	2.4	348.0	NNW	2.8	306.0	NW
12:00 PM - 01:00 PM	1.5	343.0	NNW	1.9	357.0	N	2.7	302.0	NNW
01:00 PM - 02:00 PM	0.3	330.0	NNW	2.1	315.0	NW	2.5	350.0	N
02:00 PM - 03:00 PM	0.5	310.0	NW	2.9	330.0	NNW	0.9	282.0	NNW
03:00 PM - 04:00 PM	1.2	321.0	NW	2.3	336.0	NNW	2.1	341.0	NNW
04:00 PM - 05:00 PM	0.7	357.0	N	2.0	352.0	N	1.9	344.0	NNW
05:00 PM - 06:00 PM	0.9	335.0	NNW	1.7	334.0	NNW	2.9	335.0	NNW
06:00 PM - 07:00 PM	1.0	320.0	NNW	0.5	350.0	N	1.9	328.0	NNW
07:00 PM - 08:00 PM	0.3	321.0	NW	0.5	323.0	NW	1.5	331.0	NNW
08:00 PM - 09:00 PM	0.9	308.0	NW	0.5	355.0	N	0.4	352.0	N
09:00 PM - 10:00 PM	0.5	335.0	NNW	0.4	351.0	N	0.6	339.0	NNW
10:00 PM - 11:00 PM	0.5	334.0	NNW	0.3	353.0	N	0.5	331.0	NNW
11:00 PM - 12:00 AM	0.2	-	-	0.5	344.0	NNW	1.1	299.0	NNW
12:00 AM - 01:00 AM	0.9	292.0	NNW	0.8	347.0	NNW	0.6	325.0	NW
01:00 AM - 02:00 AM	0.4	325.0	NW	0.4	308.0	NW	0.3	308.0	NW
02:00 AM - 03:00 AM	0.6	332.0	NNW	1.0	338.0	NNW	0.9	302.0	NNW
03:00 AM - 04:00 AM	0.3	338.0	NNW	0.3	336.0	NNW	0.3	309.0	NW
04:00 AM - 05:00 AM	0.5	335.0	NNW	0.4	336.0	NNW	0.5	301.0	NNW
05:00 AM - 06:00 AM	0.7	337.0	NNW	0.7	344.0	NNW	0.3	321.0	NW
06:00 AM - 07:00 AM	0.9	355.0	N	0.8	350.0	N	1.0	339.0	NNW
07:00 AM - 08:00 AM	1.0	325.0	NW	1.5	342.0	NNW	1.2	335.0	NNW
08:00 AM - 09:00 AM	1.9	332.0	NNW	1.3	352.0	N	2.7	315.0	NW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayu Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut PE (SPE)

Lot ID : 22119553

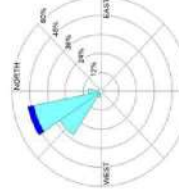
Date Received : Dec 13, 2022

Date Reported : Dec 20, 2022

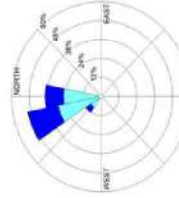
Report Number : 2447570-1

Page 2 of 2

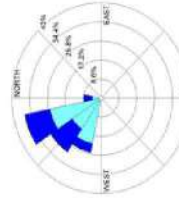
Wind Rose



Date : Dec 03-04, 2022



Date : Dec 04-05, 2022



Date : Dec 05-06, 2022



Date : Dec 06-07, 2022



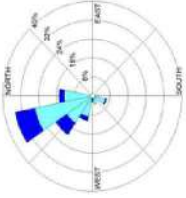
Date : Dec 07-08, 2022



Date : Dec 08-09, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	21.43
0.3-1.7	76.19
Calm	2.38

Date : Dec 03-10, 2022



The above result is valid only for the use and purpose specified in the 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

Sarayu Jitranont
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, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2280150

Date Received : Jul 05, 2022

Date Reported : Jul 15, 2022

Report Number : 2359487-1C5

Page 1 of 8

Sample Number	2280150-1
Sample Date	Jul 04, 2022
Sample Description	Air Quality
Location	บ้านนาหว้า (GPS 47P 0735350, 1406704)
Date Analysis Commenced	Jul 06, 2022
Condition of Sample	Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure	756 mmHg
Atmospheric Temperature	32.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOB)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	04/07/22 - 05/07/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/07/22 - 05/07/22	ug/m3	0.05	0.16	1.85	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/07/22 - 05/07/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/07/22 - 05/07/22	ug/m3	0.60	1.76	2.11	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/07/22 - 05/07/22	ug/m3	0.30	0.86	4.41	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/07/22 - 05/07/22	ug/m3	0.60	1.88	3.09	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, temple and Community

Sampled By : Saichia Phetsavaeng

Remark :

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

The above results are valid only for the analyzed sample(s) as indicated in the report. The results are not valid for any other sample(s) without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sararat Hongkijrajawut
Supervisor

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4665-122/BAL



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2280150

Date Received : Jul 05, 2022

Date Reported : Jul 15, 2022

Report Number : 2359487-1C5

Page 2 of 3

Sample Number	2280150-2
Sample Date	Jul 04, 2022
Sample Description	Air Quality
Location	บ้านนาหว้า (GPS 47P 0723821, 1403299)
Date Analysis Commenced	Jul 06, 2022
Condition of Sample	Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure	756 mmHg
Atmospheric Temperature	32.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOB)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	04/07/22 - 05/07/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/07/22 - 05/07/22	ug/m3	0.05	0.16	<0.16	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/07/22 - 05/07/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/07/22 - 05/07/22	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/07/22 - 05/07/22	ug/m3	0.30	0.86	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/07/22 - 05/07/22	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 Feb School station no traffic, Cloudy, Nearby school, temple and Community

Sampled By : Saichia Phetsavaeng

Remark :

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

Approved by

Sararat Hongkijrajawut
Supervisor

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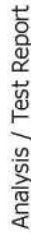
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4665-122/BHAL



Project Location :

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOB)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
1,4-Dichlorobenzene	04/07/22 - 05/07/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD Rayong
Benzene	04/07/22 - 05/07/22	ug/m3	0.05	0.16	1.28	7.6	Based on US EPA Compendium Method, TO-15	PCD Rayong
Ethylene Glycol	04/07/22 - 05/07/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	- Bangkok
Hexane	04/07/22 - 05/07/22	ug/m3	0.60	1.76	2.47	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Propene (Propylene)	04/07/22 - 05/07/22	ug/m3	0.30	0.86	1.72	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Toluene	04/07/22 - 05/07/22	ug/m3	0.60	1.88	9.72	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong

Sampled By : Saitha Phatsavang

Remark :

- LOD : Limit of Detection
- Lower than LOQ (Limit of Quantitation) / LDR (Limit of Reporting)

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Page 1 of 2

Time	Jul 04 - Jul 05, 2022											
	WS (m/s)	WD (deg)										
10:00 AM - 11:00 AM	1.3	186.0	S	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	2.1	185.0	S	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	2.1	163.0	SSE	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.8	191.0	S	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.9	208.0	SWW	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.5	209.0	SWW	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.6	188.0	S	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.3	162.0	SSE	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	2.1	179.0	S	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.8	127.0	SE	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.2	163.0	SSE	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.6	223.0	SW	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.8	252.0	WSW	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.9	243.0	WSW	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.6	185.0	S	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	2.1	92.0	E	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.4	238.0	SW	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.6	238.0	WSW	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.5	226.0	SW	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.6	343.0	NNW	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.8	235.0	SW	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.9	226.0	SW	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.4	194.0	SWW	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.5	193.0	SWW	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jittrantont
Assistant General Manager

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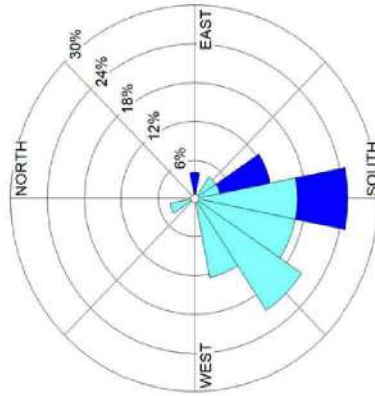
Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PFE (SPE)

Lot ID : 2280153
Date Received : Jul 05, 2022
Date Reported : Jul 11, 2022
Report Number : 2359491-1

Page 2 of 2

Wind Rose



Date : Jul 04-05 2022

WS(m/s)	%
>= 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	20.83
0.3-1.7	79.17
Calms	0.00

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Approved by

Sarayuth Titranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4503136460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 2291792
Date Received : Aug 03, 2022
Date Reported : Aug 10, 2022
Report Number : 2389563-1C5

Page 1 of 3

Sample Number : 2291792-1
Sampled Date : Aug 01, 2022
Sample Description : Air Quality
Location : อ่างน้ำประปา (GPS: 47P-0735350, 1406704)
Date Analysis Commenced : Aug 03, 2022
Condition of Sample : Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure : 756 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	01/08/22 - 02/08/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD Rayong
Benzene	01/08/22 - 02/08/22	ug/m3	0.05	0.16	0.89	7.6	Based on US EPA Compendium Method, TO-15	PCD Rayong
Ethylene Glycol	01/08/22 - 02/08/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH 5523	- Bangkok
Hexane	01/08/22 - 02/08/22	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Propene (Propylene)	01/08/22 - 02/08/22	ug/m3	0.30	0.86	4.37	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Toluene	01/08/22 - 02/08/22	ug/m3	0.60	1.88	6.78	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 rain, nearby school and community

Sampled By : Anurak Tongkhajonsakda

Remark :

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

Approved by

Sararat Hongkornjarat
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: 2291792

Date Received : Aug 03, 2022

Date Reported : Aug 10, 2022

Report Number : 2385963-1C5

Page 2 of 3

Sample Number : 2291792-2
Sampled Date : Aug 01, 2022
Sample Description : Air Quality
Location : อุตสาหกรรมปิโตรเลียม (GPS 47P 0723821, 1403299)
Date Analysis Commenced : Aug 03, 2022
Condition of Sample : Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure : 756 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	01/08/22 - 02/08/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/08/22 - 02/08/22	ug/m3	0.05	0.16	0.38	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/08/22 - 02/08/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bandkok
Hexane	01/08/22 - 02/08/22	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/08/22 - 02/08/22	ug/m3	0.30	0.86	2.13	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/08/22 - 02/08/22	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 no traffic, cloudy and light rain, nearby school, temple and Community

Sampled By : Anurak Tongkhajonsakda

Remark :

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

Approved by

Sararat Mongkonjirawat
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: 2291792

Date Received : Aug 03, 2022

Date Reported : Aug 10, 2022

Report Number : 2385963-1C5

Page 3 of 3

Sample Number : 2291792-3
Sampled Date : Aug 01, 2022
Sample Description : Air Quality
Location : อุตสาหกรรมปิโตรเลียม (GPS 47P 0735207, 1405888)
Date Analysis Commenced : Aug 03, 2022
Condition of Sample : Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure : 756 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	01/08/22 - 02/08/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/08/22 - 02/08/22	ug/m3	0.05	0.16	0.77	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/08/22 - 02/08/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bandkok
Hexane	01/08/22 - 02/08/22	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/08/22 - 02/08/22	ug/m3	0.30	0.86	3.58	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/08/22 - 02/08/22	ug/m3	0.60	1.88	6.48	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, light rain, nearby temple and Community

Sampled By : Anurak Tongkhajonsakda

Remark :

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

Approved by

Sararat Mongkonjirawat
Supervisor

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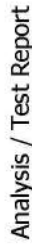
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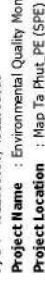
469-122 BNL



Project Location : Map Ta Phut PE (SPE)

Report Number : 2385968-1

Analysis / Test Report



Report Number : 2385968-1

[illegible]

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

Assistant General Manager

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

Date : Aug 01-02 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	8.33
3.3-5.5	4.17
1.7-3.3	12.50
0.3-1.7	33.33
Calm	41.67

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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 : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 22101908

Date Received : Sep 02, 2022

Date Reported : Sep 09, 2022

Report Number : 2407976-1CS

Page 1 of 3

Sample Number 22101908-1
Sample Date Sep 01, 2022
Sample Description Air Quality
Location บ้านนาหว้า (GPS 47P 0735350, 1406704)
Date Analysis Commenced Sep 05, 2022
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 758 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	01/09/22 - 02/09/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/09/22 - 02/09/22	ug/m3	0.05	0.16	1.53	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/09/22 - 02/09/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bandkok
Hexane	01/09/22 - 02/09/22	ug/m3	0.60	1.76	2.75	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/09/22 - 02/09/22	ug/m3	0.30	0.86	7.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/09/22 - 02/09/22	ug/m3	0.60	1.88	12.44	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
- <LOQ : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Sararat Mongkornjarwat
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: 22101908

Date Received : Sep 02, 2022

Date Reported : Sep 09, 2022

Report Number : 2407976-1CS

Page 2 of 3

Sample Number 22101908-2
Sample Date Sep 01, 2022
Sample Description Air Quality
Location บ้านนาหว้า (GPS 47P 0723821, 1403299)
Date Analysis Commenced Sep 05, 2022
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 758 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	01/09/22 - 02/09/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/09/22 - 02/09/22	ug/m3	0.05	0.16	0.64	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/09/22 - 02/09/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bandkok
Hexane	01/09/22 - 02/09/22	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/09/22 - 02/09/22	ug/m3	0.30	0.86	1.65	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/09/22 - 02/09/22	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 Hong Fab School station no traffic. Cloudy, Nearby school and temple

Sampled By : Nantawat Sarin

Remark :

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

Approved by

Sararat Mongkornjarwat
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 : 4512635056/4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut PE (SPE)

Lot ID : 22101912

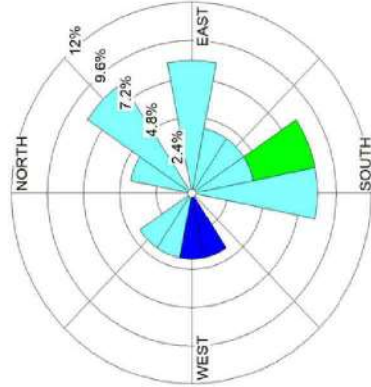
Date Received : Sep 02, 2022

Date Reported : Sep 07, 2022

Report Number : 2407987-1

Page 2 of 2

Wind Rose



Date : Sep 01-02 2022

WS(m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	4.17
1.7-3.3	8.33
0.3-1.7	50.00
Calms	37.50

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Approved by

Sarayuth Titranont
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 : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 22119559

Date Received : Oct 04, 2022

Date Reported : Oct 12, 2022

Report Number : 2447986-1C5

Page 1 of 3

Sample Number 22119559-1

Sample Date Oct 03, 2022

Sample Description Air Quality

Location อ่างน้ำประปา (GPS: 47P-0735350, 1406704)

Date Analysis Commenced Oct 05, 2022

Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated

Barometric Pressure 756 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	03/10/22 - 04/10/22	ug/m3	0.20	0.60	<0.60	1.100	Based on US EPA Compendium Method, TO-15	PCD Rayong
Benzene	03/10/22 - 04/10/22	ug/m3	0.05	0.16	0.77	7.6	Based on US EPA Compendium Method, TO-15	PCD Rayong
Ethylene Glycol	03/10/22 - 04/10/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH 5523	- Bangkok
Hexane	03/10/22 - 04/10/22	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Propene (Propylene)	03/10/22 - 04/10/22	ug/m3	0.30	0.86	1.96	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Toluene	03/10/22 - 04/10/22	ug/m3	0.60	1.88	6.71	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, moderate rain, nearby school and community

Sampled By : Sitpavit Suwannarat

Remark :

- LOD : Limit of Detection

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

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Approved by

Sararat Hongkijirawat
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 22119559

Date Received : Oct 04, 2022

Date Reported : Oct 12, 2022

Report Number : 2447986-1C5

Page 2 of 3

Sample Number 22119559-2
Sample Date Oct 03, 2022
Sample Description Air Quality
Location 8, Map Ta Phut Industrial Estate (GPS 47P 0723821, 1403299)
Date Analysis Commenced Oct 05, 2022
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 756 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	03/10/22 - 04/10/22	ug/m3	0.20	0.60	<0.60	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/10/22 - 04/10/22	ug/m3	0.05	0.16	1.34	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/10/22 - 04/10/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bandkok
Hexane	03/10/22 - 04/10/22	ug/m3	0.60	1.76	3.52	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/10/22 - 04/10/22	ug/m3	0.30	0.86	9.96	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/10/22 - 04/10/22	ug/m3	0.60	1.88	7.31	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, moderate rain, nearby school, temple and community

Sampled By : Sitpavit Suwannarat

Remark :

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

Approved by

Sararat Mongkonjirawat
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 22119559

Date Received : Oct 04, 2022

Date Reported : Oct 12, 2022

Report Number : 2447986-1C5

Page 3 of 3

Sample Number 22119559-3
Sample Date Oct 03, 2022
Sample Description Air Quality
Location 8, Map Ta Phut Industrial Estate (GPS 47P 0735207, 1405888)
Date Analysis Commenced Oct 05, 2022
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 756 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	03/10/22 - 04/10/22	ug/m3	0.20	0.60	<0.60	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/10/22 - 04/10/22	ug/m3	0.05	0.16	0.70	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/10/22 - 04/10/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bandkok
Hexane	03/10/22 - 04/10/22	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/10/22 - 04/10/22	ug/m3	0.30	0.86	2.17	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/10/22 - 04/10/22	ug/m3	0.60	1.88	3.92	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, moderate rain, nearby temple and community

Sampled By : Sitpavit Suwannarat

Remark :

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

Approved by

Sararat Mongkonjirawat
Supervisor

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Project Location : Map Ta Phut PE (SPE)

Report Number : 2447599-1

Page 1 of 2

Sampling Date

Time		Oct 03 - Oct 04, 2022											
		WS (m/s)		WD (deg)									
11:00 AM - 12:00 PM		-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:30 PM		0.8	1.1	N	-	-	-	-	-	-	-	-	-
01:00 PM - 02:30 PM		0.7	1.35	SE	-	-	-	-	-	-	-	-	-
02:00 PM - 03:30 PM		0.8	1.1	N	-	-	-	-	-	-	-	-	-
03:00 PM - 04:30 PM		0.3	1.78	0	-	-	-	-	-	-	-	-	-
04:00 PM - 05:30 PM		0.4	1.2	N	-	-	-	-	-	-	-	-	-
05:00 PM - 06:30 PM		0.8	206.0	55W	-	-	-	-	-	-	-	-	-
06:00 PM - 07:30 PM		0.9	1.7	N	-	-	-	-	-	-	-	-	-
07:00 PM - 08:30 PM		1.0	201.0	55W	-	-	-	-	-	-	-	-	-
08:00 PM - 09:30 PM		0.8	1.7	N	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM		0.7	207.0	55W	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM		0.7	1.8	N	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM		0.3	201.0	55W	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM		0.3	1.7	N	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM		0.8	174.0	5	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM		0.7	1.6	N	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM		0.3	153.0	55E	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM		0.0	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM		0.0	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM		0.7	0.6	N	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM		0.8	16.0	NNE	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM		0.3	0.4	N	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM		0.3	10.0	N	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM		6.0	335.0	NNW	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jittrant

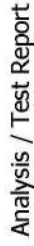
Assistant General Manager

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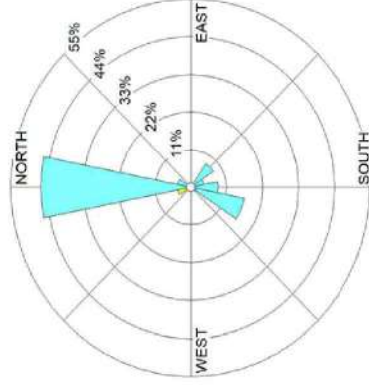


Project Location : Map Ta Phut PE (SPE)

Report Number : 2447599-1

Page 2 of 2

Wind Rose



Date : Oct 03-04, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	4.17
3.3-5.5	0.00
1.7-3.3	0.00
0.3-1.7	87.50
Calos	8.33

The above result is valid only for the end year/lasted sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A-15 Laboratory Group (Thailand)

Control Treatment

Assistant General Manager
Sarayu Jittrachont

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 22127205

Date Received : Nov 02, 2022

Date Reported : Nov 11, 2022

Report Number : 2465847-1C5

Page 1 of 3

Sample Number	22127205-1
Sampled Date	Nov 01, 2022
Sample Description	Air Quality
Location	พื้นที่ชุมชน (GPS 47P 0735350, 1406704)
Date Analysis Commenced	Nov 03, 2022
Condition of Sample	Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure	756 mmHg
Atmospheric Temperature	32.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
1,4-Dichlorobenzene	01/11/22 - 02/11/22	ug/m3	0.20	0.60	<0.60	1100	Based on US EPA Compendium Method, TO-15	PCD Rayong
Benzene	01/11/22 - 02/11/22	ug/m3	0.05	0.16	1.92	7.6	Based on US EPA Compendium Method, TO-15	PCD Rayong
Ethylene Glycol	01/11/22 - 02/11/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	Bandkok
Hexane	01/11/22 - 02/11/22	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	Rayong
Propene (Propylene)	01/11/22 - 02/11/22	ug/m3	0.30	0.86	3.65	No Standard	Based on US EPA Compendium Method, TO-15	Rayong
Toluene	01/11/22 - 02/11/22	ug/m3	0.60	1.88	12.06	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 : Jakkarin Manwicha

Remark :

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

Approved by

D. J. Manwicha

Dej Changchon
Senior Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 22127205

Date Received : Nov 02, 2022

Date Reported : Nov 11, 2022

Report Number : 2465847-1C5

Page 2 of 3

Sample Number	22127205-2
Sampled Date	Nov 01, 2022
Sample Description	Air Quality
Location	พื้นที่ชุมชน (GPS 47P 0723821, 1403299)
Date Analysis Commenced	Nov 03, 2022
Condition of Sample	Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure	756 mmHg
Atmospheric Temperature	32.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
1,4-Dichlorobenzene	01/11/22 - 02/11/22	ug/m3	0.20	0.60	<0.60	1100	Based on US EPA Compendium Method, TO-15	PCD Rayong
Benzene	01/11/22 - 02/11/22	ug/m3	0.05	0.16	2.17	7.6	Based on US EPA Compendium Method, TO-15	PCD Rayong
Ethylene Glycol	01/11/22 - 02/11/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	Bandkok
Hexane	01/11/22 - 02/11/22	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	Rayong
Propene (Propylene)	01/11/22 - 02/11/22	ug/m3	0.30	0.86	6.44	No Standard	Based on US EPA Compendium Method, TO-15	Rayong
Toluene	01/11/22 - 02/11/22	ug/m3	0.60	1.88	6.26	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 Hong Fab School station no traffic. Clear sky, Nearby school, temple and Community

Sampled By : Jakkarin Manwicha

Remark :

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

Approved by

D. J. Manwicha

Dej Changchon
Senior Manager

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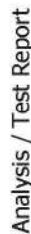
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Page 3 of 3

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOB)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/11/22 - 02/11/22	ug/m3	0.20	0.60	<0.60	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
	01/11/22 - 02/11/22	ug/m3	0.05	0.16	1.73	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/11/22 - 02/11/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
	01/11/22 - 02/11/22	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propylene (Propylene)	01/11/22 - 02/11/22	ug/m3	0.30	0.86	3.30	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
	01/11/22 - 02/11/22	ug/m3	0.60	1.88	11.68	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Sampled By : Jakkarin Manwicha

Remark :

- LOD : Limit of Detection
- $\text{LOQ} = \frac{\text{LOD}}{10}$: Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Time	Nov 01 - Nov 02, 2022									
	WS (m/s)	WD (deg)								
12:00 PM - 01:30 PM	1.2	52.0	NE	-	-	-	-	-	-	-
01:00 PM - 02:30 PM	4.0	322.0	NW	-	-	-	-	-	-	-
02:00 PM - 03:30 PM	3.8	52.0	NE	-	-	-	-	-	-	-
03:00 PM - 04:30 PM	2.4	89.0	ENE	-	-	-	-	-	-	-
04:00 PM - 05:30 PM	1.2	42.0	NE	-	-	-	-	-	-	-
05:00 PM - 06:30 PM	0.5	73.0	ENE	-	-	-	-	-	-	-
06:00 PM - 07:30 PM	0.7	61.0	ENE	-	-	-	-	-	-	-
07:00 PM - 08:30 PM	0.4	314.0	NW	-	-	-	-	-	-	-
08:00 PM - 09:30 PM	0.5	297.0	WNW	-	-	-	-	-	-	-
09:00 PM - 10:30 PM	1.1	0.0	N	-	-	-	-	-	-	-
10:00 PM - 11:30 PM	0.4	301.0	WNW	-	-	-	-	-	-	-
11:00 PM - 12:30 AM	0.1	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.2	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.0	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.1	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.3	322.0	NW	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.4	317.0	NW	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.7	331.0	NNW	-	-	-	-	-	-	-
06:00 AM - 07:30 AM	0.4	314.0	NW	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.6	0.0	N	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	2.1	74.0	ENE	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	2.1	52.0	NE	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.2	70.0	ENE	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.7	308.0	NW	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the oral fluid 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. AL5 Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by _____

Sarayuth Jittrantont
Assistant General Manager

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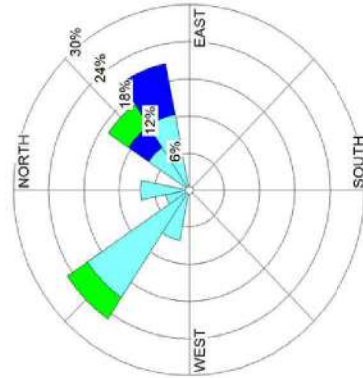
Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056/4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID : 22127209
Date Received : Nov 02, 2022
Date Reported : Nov 14, 2022
Report Number : 2465851-1

Page 2 of 2

Wind Rose



Date : Nov 01-02, 2022

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	12.50
0.3-1.7	62.50
Calms	16.67

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Approved by

Sarayuth Titranont
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 : 4503136460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 22144002
Date Received : Dec 07, 2022
Date Reported : Jan 09, 2023
Report Number : 2504617-1C5

Page 1 of 3

Sample Number	22144002-1							
Sampled Date	Dec 06, 2022							
Sample Description	Air Quality							
Location	บริเวณทางหลวง (GPS: 47P-0735350, 1406704)							
Date Analysis Commenced	Dec 08, 2022							
Condition of Sample	Drawn into one 6-L Canister and two sorbent tubes, refrigerated							
Barometric Pressure	756 mmHg							
Atmospheric Temperature	32.0 °C							
Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
1,4-Dichlorobenzene	06/12/22 - 07/12/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD Rayong
Benzene	06/12/22 - 07/12/22	ug/m3	0.05	0.16	1.21	7.6	Based on US EPA Compendium Method, TO-15	PCD Rayong
Ethylene Glycol	06/12/22 - 07/12/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH 5523	- Bangkok
Hexane	06/12/22 - 07/12/22	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Propene (Propylene)	06/12/22 - 07/12/22	ug/m3	0.30	0.86	2.24	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Toluene	06/12/22 - 07/12/22	ug/m3	0.60	1.88	11.83	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 : Jakkarn Manwicha

Remark :

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

Approved by

Sararat Hongkornjarat
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 22144002

Date Received : Dec 07, 2022

Date Reported : Jan 09, 2023

Report Number : 2504617-1C5

Page 2 of 3

Sample Number 22144002-2
Sample Date Dec 06, 2022
Sample Description Air Quality
Location ท่าเรืออุตสาหกรรม (GPS 47P 0723821, 1403299)
Date Analysis Commenced Dec 08, 2022
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
1,4-Dichlorobenzene	06/12/22 - 07/12/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD Rayong
Benzene	06/12/22 - 07/12/22	ug/m3	0.05	0.16	1.92	7.6	Based on US EPA Compendium Method, TO-15	PCD Rayong
Ethylene Glycol	06/12/22 - 07/12/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	- Bangkok
Hexane	06/12/22 - 07/12/22	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Propene (Propylene)	06/12/22 - 07/12/22	ug/m3	0.30	0.86	13.73	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Toluene	06/12/22 - 07/12/22	ug/m3	0.60	1.88	12.21	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 no traffic, Clear sky, Nearby school, temple and Community

Sampled By : Jakkarin Manwicha

Remark :

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

Approved by

Sararat Mongkonjirawat
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 22144002

Date Received : Dec 07, 2022

Date Reported : Jan 09, 2023

Report Number : 2504617-1C5

Page 3 of 3

Sample Number 22144002-3
Sample Date Dec 06, 2022
Sample Description Air Quality
Location ท่าเรืออุตสาหกรรม (GPS 47P 0735207, 1405888)
Date Analysis Commenced Dec 08, 2022
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline Testing Location
Air Testing								
1,4-Dichlorobenzene	06/12/22 - 07/12/22	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD Rayong
Benzene	06/12/22 - 07/12/22	ug/m3	0.05	0.16	1.28	7.6	Based on US EPA Compendium Method, TO-15	PCD Rayong
Ethylene Glycol	06/12/22 - 07/12/22	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	- Bangkok
Hexane	06/12/22 - 07/12/22	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Propene (Propylene)	06/12/22 - 07/12/22	ug/m3	0.30	0.86	2.65	No Standard	Based on US EPA Compendium Method, TO-15	- Rayong
Toluene	06/12/22 - 07/12/22	ug/m3	0.60	1.88	10.63	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, Clear Sky, Nearby temple and Community

Sampled By : Jakkarin Manwicha

Remark :

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

Approved by

Sararat Mongkonjirawat
Supervisor

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Analysis / Test Report

Client : Sam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID : 22144003
Date Received : Dec 09, 2022
Date Reported : Dec 19, 2022
Report Number : 2504622-1

Page 1 of 2

Sample Number : 22144003-1
Parameter : Wind Speed / Wind Direction
Location : อุตสาหกรรมมาบตาพุด (GPS 47P 0735207, 1405888)
Sampling Date : Dec 06 - Dec 07, 2022
Sampling by : จักรพันธ์ มานวิเชียร

Time	Dec 06 - Dec 07, 2022																			
	WS (m/s)	WD (deg)																		
10:00 AM - 11:00 AM	0.6	341.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.5	344.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.1	333.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.1	338.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.9	322.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.8	305.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.5	357.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.4	344.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.6	322.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.7	319.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.3	334.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.7	326.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.6	323.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.5	319.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.7	322.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.5	316.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.4	221.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.5	347.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.7	349.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.6	331.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.4	330.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above result is valid only for the analytical method specified in this report. No part of this report or certificate may be reproduced in any form without the prior consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jitranont
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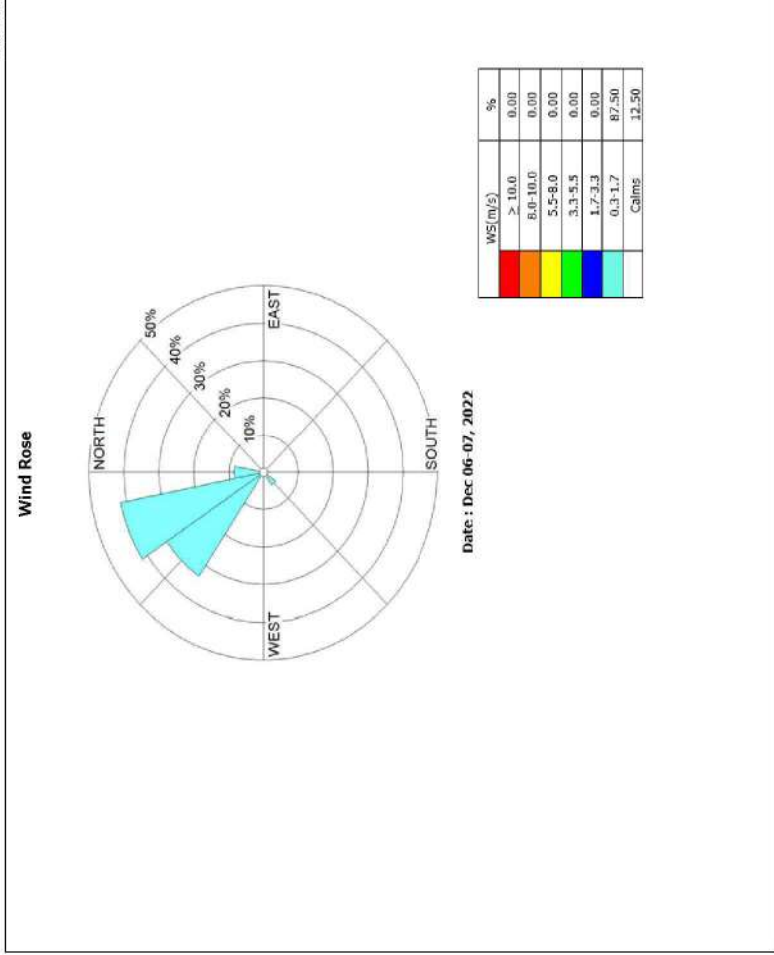


Analysis / Test Report

Client : Sam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID : 22144003
Date Received : Dec 09, 2022
Date Reported : Dec 19, 2022
Report Number : 2504622-1

Page 2 of 2



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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291799
Date Received : Aug 17, 2022
Date Reported : Aug 29, 2022
Report Number : 2385980-1

Page 1 of 6

Sample Number 2291799-1
Sampled Date Aug 16, 2022
Sample Description Air Quality
Location Spin Dryer 1
Date Analysis Commenced Aug 18, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
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								
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 : Natthapon Jitngwareewong

Remark :

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

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Approved by

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291799
Date Received : Aug 17, 2022
Date Reported : Aug 29, 2022
Report Number : 2385980-1

Page 2 of 6

Sample Number 2291799-2
Sampled Date Aug 16, 2022
Sample Description Air Quality
Location Pelletizer 1
Date Analysis Commenced Aug 18, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
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								
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 : Natthapon Jitngwareewong

Remark :

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291799
Date Received : Aug 17, 2022
Date Reported : Aug 29, 2022
Report Number : 2385980-1

Page 3 of 6

Sample Number 2291799-3
Sampled Date Aug 16, 2022
Sample Description Air Quality
Location Hold Up Hopper 1
Date Analysis Commenced Aug 18, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
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								
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 : Natthapon Jilengwarewong

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291799
Date Received : Aug 17, 2022
Date Reported : Aug 29, 2022
Report Number : 2385980-1

Page 4 of 6

Sample Number 2291799-4
Sampled Date Aug 16, 2022
Sample Description Air Quality
Location Spin Dryer 2
Date Analysis Commenced Aug 18, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
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								
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 : Natthapon Jilengwarewong

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291799

Date Received : Aug 17, 2022

Date Reported : Aug 29, 2022

Report Number : 2385980-1

Page 5 of 6

Sample Number 2291799-5
Sampled Date Aug 16, 2022
Sample Description Air Quality
Location Pelletizer 2
Date Analysis Commenced Aug 18, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
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								
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 : Natthapon Jilengwareewong

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291799

Date Received : Aug 17, 2022

Date Reported : Aug 29, 2022

Report Number : 2385980-1

Page 6 of 6

Sample Number 2291799-6
Sampled Date Aug 16, 2022
Sample Description Air Quality
Location Hold Up Hopper 2
Date Analysis Commenced Aug 18, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
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								
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 : Natthapon Jilengwareewong

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119565

Date Received : Nov 23, 2022

Date Reported : Dec 06, 2022

Report Number : 2447612-1

Page 1 of 6

Sample Number	22119565-1
Sampled Date	Nov 22, 2022
Sample Description	Air Quality
Location	Spin Dryer 1
Date Analysis Commenced	Nov 24, 2022
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	756 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	09:40 AM - 11:40 PM	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 : Romnachai Moungma

Remark :

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119565

Date Received : Nov 23, 2022

Date Reported : Dec 06, 2022

Report Number : 2447612-1

Page 2 of 6

Sample Number	22119565-2
Sampled Date	Nov 22, 2022
Sample Description	Air Quality
Location	Pelletizer 1
Date Analysis Commenced	Nov 24, 2022
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	756 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	09:40 AM - 11:40 PM	ppm	-	0.10	<0.10	500	NIOSH (1994), 1500	MOL Bangkok

Guideline :

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Sampled By : Romnachai Moungma

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119565

Date Received : Nov 23, 2022

Date Reported : Dec 06, 2022

Report Number : 2447612-1

Page 3 of 6

Sample Number 22119565-3
Sampled Date Nov 22, 2022
Sample Description Air Quality
Location Hold Up Hopper 1
Date Analysis Commenced Nov 24, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 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	09:40 AM - 11:40 PM	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 : Romachai Moungma

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119565

Date Received : Nov 23, 2022

Date Reported : Dec 06, 2022

Report Number : 2447612-1

Page 4 of 6

Sample Number 22119565-4
Sampled Date Nov 22, 2022
Sample Description Air Quality
Location Spin Dryer 2
Date Analysis Commenced Nov 24, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 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	09:40 AM - 11:40 PM	ppm	-	0.10	<0.10	500	NIOSH (1994), 1500	MOL Bangkok

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119565

Date Received : Nov 23, 2022

Date Reported : Dec 06, 2022

Report Number : 2447612-1

Page 5 of 6

Sample Number 22119565-5
Sampled Date Nov 22, 2022
Sample Description Air Quality
Location Pelletizer 2
Date Analysis Commenced Nov 24, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 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	09:40 AM - 11:40 PM	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 : Romachai Moungma

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22119565

Date Received : Nov 23, 2022

Date Reported : Dec 06, 2022

Report Number : 2447612-1

Page 6 of 6

Sample Number 22119565-6
Sampled Date Nov 22, 2022
Sample Description Air Quality
Location Hold Up Hopper 2
Date Analysis Commenced Nov 24, 2022
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 756 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	09:40 AM - 11:40 PM	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 : Romachai Moungma

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4899-122 ENAIL

ภาคผนวก ค-5

ระดับเสียงโดยทั่วไปและระดับเสียงพื้นฐาน



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413653-1

Sample Number : 2291807-1
Parameter : Noise Level (Leq 5 min)
Location : ต.บึงทาม (GPS: 47P 0735038, 1405843)
Measurement Date : Aug 15 - Aug 16, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122578

Page 1 of 3

Aug 15, 2022 Time	Leq dB(A)	Aug 15, 2022 Time	Leq dB(A)	Aug 15, 2022 Time	Leq dB(A)	Aug 15, 2022 Time	Leq dB(A)	Aug 15, 2022 Time	Leq dB(A)
10:00 AM - 10:05 AM	53.2	12:40 PM - 12:45 PM	52.4	03:20 PM - 03:25 PM	50.8	03:20 PM - 03:25 PM	50.8	06:00 PM - 06:05 PM	51.5
10:05 AM - 10:10 AM	53.8	12:45 PM - 12:50 PM	48.6	03:25 PM - 03:30 PM	51.1	03:25 PM - 03:30 PM	51.1	06:05 PM - 06:10 PM	51.9
10:10 AM - 10:15 AM	55.9	12:50 PM - 12:55 PM	50.3	03:30 PM - 03:35 PM	48.5	03:30 PM - 03:35 PM	48.5	06:10 PM - 06:15 PM	50.7
10:15 AM - 10:20 AM	54.9	12:55 PM - 01:00 PM	49.7	03:35 PM - 03:40 PM	47.8	03:35 PM - 03:40 PM	47.8	06:15 PM - 06:20 PM	51.5
10:20 AM - 10:25 AM	52.2	01:00 PM - 01:05 PM	50.8	03:40 PM - 03:45 PM	51.3	03:40 PM - 03:45 PM	51.3	06:20 PM - 06:25 PM	52.5
10:25 AM - 10:30 AM	54.2	01:05 PM - 01:10 PM	50.0	03:45 PM - 03:50 PM	51.9	03:45 PM - 03:50 PM	51.9	06:25 PM - 06:30 PM	51.4
10:30 AM - 10:35 AM	52.4	01:10 PM - 01:15 PM	52.4	03:50 PM - 03:55 PM	52.4	03:50 PM - 03:55 PM	52.4	06:30 PM - 06:35 PM	52.7
10:35 AM - 10:40 AM	52.9	01:15 PM - 01:20 PM	54.5	03:55 PM - 04:00 PM	52.0	03:55 PM - 04:00 PM	52.0	06:35 PM - 06:40 PM	50.0
10:40 AM - 10:45 AM	52.9	01:20 PM - 01:25 PM	52.2	04:00 PM - 04:05 PM	52.9	04:00 PM - 04:05 PM	52.9	06:40 PM - 06:45 PM	50.0
10:45 AM - 10:50 AM	50.9	01:25 PM - 01:30 PM	51.8	04:05 PM - 04:10 PM	55.7	04:05 PM - 04:10 PM	55.7	06:45 PM - 06:50 PM	49.8
10:50 AM - 10:55 AM	52.9	01:30 PM - 01:35 PM	52.1	04:10 PM - 04:15 PM	54.3	04:10 PM - 04:15 PM	54.3	06:50 PM - 06:55 PM	51.2
10:55 AM - 11:00 AM	55.4	01:35 PM - 01:40 PM	51.4	04:15 PM - 04:20 PM	53.1	04:15 PM - 04:20 PM	53.1	06:55 PM - 07:00 PM	50.6
11:00 AM - 11:05 AM	54.0	01:40 PM - 01:45 PM	51.6	04:20 PM - 04:25 PM	52.5	04:20 PM - 04:25 PM	52.5	07:00 PM - 07:05 PM	50.8
11:05 AM - 11:10 AM	51.6	01:45 PM - 01:50 PM	50.7	04:25 PM - 04:30 PM	52.4	04:25 PM - 04:30 PM	52.4	07:05 PM - 07:10 PM	51.7
11:10 AM - 11:15 AM	56.0	01:50 PM - 01:55 PM	51.8	04:30 PM - 04:35 PM	51.7	04:30 PM - 04:35 PM	51.7	07:10 PM - 07:15 PM	53.6
11:15 AM - 11:20 AM	53.2	01:55 PM - 02:00 PM	52.3	04:35 PM - 04:40 PM	52.3	04:35 PM - 04:40 PM	52.3	07:15 PM - 07:20 PM	56.7
11:20 AM - 11:25 AM	55.1	02:00 PM - 02:05 PM	52.4	04:40 PM - 04:45 PM	52.4	04:40 PM - 04:45 PM	52.4	07:20 PM - 07:25 PM	58.5
11:25 AM - 11:30 AM	53.8	02:05 PM - 02:10 PM	51.6	04:45 PM - 04:50 PM	57.2	04:45 PM - 04:50 PM	57.2	07:25 PM - 07:30 PM	58.3
11:30 AM - 11:35 AM	52.3	02:10 PM - 02:15 PM	50.7	04:50 PM - 04:55 PM	57.2	04:50 PM - 04:55 PM	57.2	07:30 PM - 07:35 PM	58.4
11:35 AM - 11:40 AM	52.9	02:15 PM - 02:20 PM	50.6	04:55 PM - 05:00 PM	52.5	04:55 PM - 05:00 PM	52.5	07:35 PM - 07:40 PM	57.7
11:40 AM - 11:45 AM	52.2	02:20 PM - 02:25 PM	50.7	05:00 PM - 05:05 PM	53.1	05:00 PM - 05:05 PM	53.1	07:40 PM - 07:45 PM	57.4
11:45 AM - 11:50 AM	51.6	02:25 PM - 02:30 PM	51.5	05:05 PM - 05:10 PM	53.1	05:05 PM - 05:10 PM	53.1	07:45 PM - 07:50 PM	58.4
11:50 AM - 11:55 AM	51.1	02:30 PM - 02:35 PM	50.7	05:10 PM - 05:15 PM	55.9	05:10 PM - 05:15 PM	55.9	07:50 PM - 07:55 PM	60.6
11:55 AM - 12:00 PM	52.6	02:35 PM - 02:40 PM	51.0	05:15 PM - 05:20 PM	52.5	05:15 PM - 05:20 PM	52.5	07:55 PM - 08:00 PM	60.4
12:00 PM - 12:05 PM	56.1	02:40 PM - 02:45 PM	50.4	05:20 PM - 05:25 PM	52.1	05:20 PM - 05:25 PM	52.1	08:00 PM - 08:05 PM	61.8
12:05 PM - 12:10 PM	53.3	02:45 PM - 02:50 PM	50.1	05:25 PM - 05:30 PM	52.8	05:25 PM - 05:30 PM	52.8	08:05 PM - 08:10 PM	62.2
12:10 PM - 12:15 PM	53.8	02:50 PM - 02:55 PM	50.9	05:30 PM - 05:35 PM	53.2	05:30 PM - 05:35 PM	53.2	08:10 PM - 08:15 PM	62.8
12:15 PM - 12:20 PM	55.7	02:55 PM - 03:00 PM	50.2	05:35 PM - 05:40 PM	53.1	05:35 PM - 05:40 PM	53.1	08:15 PM - 08:20 PM	64.4
12:20 PM - 12:25 PM	52.7	03:00 PM - 03:05 PM	49.9	05:40 PM - 05:45 PM	51.3	05:40 PM - 05:45 PM	51.3	08:20 PM - 08:25 PM	64.4
12:25 PM - 12:30 PM	52.8	03:05 PM - 03:10 PM	51.1	05:45 PM - 05:50 PM	51.9	05:45 PM - 05:50 PM	51.9	08:25 PM - 08:30 PM	63.5
12:30 PM - 12:35 PM	51.4	03:10 PM - 03:15 PM	48.2	05:50 PM - 05:55 PM	52.5	05:50 PM - 05:55 PM	52.5	08:30 PM - 08:35 PM	62.7
12:35 PM - 12:40 PM	54.4	03:15 PM - 03:20 PM	50.5	05:55 PM - 06:00 PM	51.9	05:55 PM - 06:00 PM	51.9	08:35 PM - 08:40 PM	64.5

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Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Project Location : Map Ta Phut, PE (SPE)

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Aug 15, 2022 Time	Leq dB(A)	Aug 15, 2022 Time	Leq dB(A)	Aug 15, 2022 Time	Leq dB(A)	Aug 15, 2022 Time	Leq dB(A)	Aug 15, 2022 Time	Leq dB(A)
06:00 PM - 06:05 PM	51.5	08:40 PM - 08:45 PM	65.5	11:20 PM - 11:25 PM	52.1	11:20 PM - 11:25 PM	52.1	11:20 PM - 11:25 PM	51.3
06:05 PM - 06:10 PM	51.9	08:45 PM - 08:50 PM	65.6	11:25 PM - 11:30 PM	52.5	11:25 PM - 11:30 PM	52.5	11:25 PM - 11:30 PM	51.8
06:10 PM - 06:15 PM	50.7	08:50 PM - 08:55 PM	65.3	11:30 PM - 11:35 PM	52.9	11:30 PM - 11:35 PM	52.9	11:30 PM - 11:35 PM	52.1
06:15 PM - 06:20 PM	51.5	08:55 PM - 09:00 PM	64.2	11:35 PM - 11:40 PM	52.1	11:35 PM - 11:40 PM	52.1	11:35 PM - 11:40 PM	51.3
06:20 PM - 06:25 PM	52.5	09:00 PM - 09:05 PM	63.1	11:40 PM - 11:45 PM	51.6	11:40 PM - 11:45 PM	51.6	11:40 PM - 11:45 PM	50.7
06:25 PM - 06:30 PM	51.4	09:05 PM - 09:10 PM	62.9	11:45 PM - 11:50 PM	51.5	11:45 PM - 11:50 PM	51.5	11:45 PM - 11:50 PM	50.1
06:30 PM - 06:35 PM	52.7	09:10 PM - 09:15 PM	62.7	11:50 PM - 11:55 PM	51.7	11:50 PM - 11:55 PM	51.7	11:50 PM - 11:55 PM	50.9
06:35 PM - 06:40 PM	50.0	09:15 PM - 09:20 PM	62.2	11:55 PM - 12:00 AM	52.0	11:55 PM - 12:00 AM	52.0	11:55 PM - 12:00 AM	51.2
06:40 PM - 06:45 PM	50.0	09:20 PM - 09:25 PM	62.4	12:00 AM - 12:05 AM	51.8	12:00 AM - 12:05 AM	51.8	12:00 AM - 12:05 AM	50.4
06:45 PM - 06:50 PM	49.8	09:25 PM - 09:30 PM	65.5	12:05 AM - 12:10 AM	51.0	12:05 AM - 12:10 AM	51.0	12:05 AM - 12:10 AM	50.1
06:50 PM - 06:55 PM	51.2	09:30 PM - 09:35 PM	64.6	12:10 AM - 12:15 AM	50.7	12:10 AM - 12:15 AM	50.7	12:10 AM - 12:15 AM	49.8
06:55 PM - 07:00 PM	50.6	09:35 PM - 09:40 PM	61.5	12:15 AM - 12:20 AM	50.6	12:15 AM - 12:20 AM	50.6	12:15 AM - 12:20 AM	49.6
07:00 PM - 07:05 PM	50.8	09:40 PM - 09:45 PM	61.8	12:20 AM - 12:25 AM	52.6	12:20 AM - 12:25 AM	52.6	12:20 AM - 12:25 AM	50.7
07:05 PM - 07:10 PM	51.7	09:45 PM - 09:50 PM	66.9	12:25 AM - 12:30 AM	53.7	12:25 AM - 12:30 AM	53.7	12:25 AM - 12:30 AM	52.8
07:10 PM - 07:15 PM	53.6	09:50 PM - 09:55 PM	66.6	12:30 AM - 12:35 AM	53.7	12:30 AM - 12:35 AM	53.7	12:30 AM - 12:35 AM	52.6
07:15 PM - 07:20 PM	56.7	09:55 PM - 10:00 PM	65.4	12:35 AM - 12:40 AM	53.2	12:35 AM - 12:40 AM	53.2	12:35 AM - 12:40 AM	52.6
07:20 PM - 07:25 PM	58.5	10:00 PM - 10:05 PM	62.5	12:40 AM - 12:45 AM	52.7	12:40 AM - 12:45 AM	52.7	12:40 AM - 12:45 AM	51.6
07:25 PM - 07:30 PM	58.3	10:05 PM - 10:10 PM	61.2	12:45 AM - 12:50 AM	53.0	12:45 AM - 12:50 AM	53.0	12:45 AM - 12:50 AM	50.0
07:30 PM - 07:35 PM	58.4	10:10 PM - 10:15 PM	63.2	12:50 AM - 12:55 AM	50.6	12:50 AM - 12:55 AM	50.6	12:50 AM - 12:55 AM	49.6
07:35 PM - 07:40 PM	57.7	10:15 PM - 10:20 PM	64.3	12:55 AM - 01:00 AM	50.2	12:55 AM - 01:00 AM	50.2	12:55 AM - 01:00 AM	49.0
07:40 PM - 07:45 PM	57.4	10:20 PM - 10:25 PM	64.4	01:00 AM - 01:05 AM	50.1	01:00 AM - 01:05 AM	50.1	01:00 AM - 01:05 AM	49.0
07:45 PM - 07:50 PM	58.4	10:25 PM - 10:30 PM	64.2	01:05 AM - 01:10 AM	49.9	01:05 AM - 01:10 AM	49.9	01:05 AM - 01:10 AM	48.7
07:50 PM - 07:55 PM	60.6	10:30 PM - 10:35 PM	63.3	01:10 AM - 01:15 AM	49.4	01:10 AM - 01:15 AM	49.4	01:10 AM - 01:15 AM	48.6
07:55 PM - 08:00 PM	60.4	10:35 PM - 10:40 PM	62.2	01:15 AM - 01:20 AM	49.3	01:15 AM - 01:20 AM	49.3	01:15 AM - 01:20 AM	48.7
08:00 PM - 08:05 PM	61.8	10:40 PM - 10:45 PM	61.9	01:20 AM - 01:25 AM	50.3	01:20 AM - 01:25 AM	50.3	01:20 AM - 01:25 AM	50.4
08:05 PM - 08:10 PM	62.2	10:45 PM - 10:50 PM	60.3	01:25 AM - 01:30 AM	49.7	01:25 AM - 01:30 AM	49.7	01:25 AM - 01:30 AM	48.6
08:10 PM - 08:15 PM	62.8	10:50 PM - 10:55 PM	57.6	01:30 AM - 01:35 AM	49.9	01:30 AM - 01:35 AM	49.9	01:30 AM - 01:35 AM	49.2
08:15 PM - 08:20 PM	64.4	10:55 PM - 11:00 PM	57.2	01:35 AM - 01:40 AM	51.1	01:35 AM - 01:40 AM	51.1	01:35 AM - 01:40 AM	50.4
08:20 PM - 08:25 PM	64.4	11:00 PM - 11:05 PM	57.1	01:40 AM - 01:45 AM	52.2	01:40 AM - 01:45 AM	52.2	01:40 AM - 01:45 AM	51.3
08:25 PM - 08:30 PM	63.5	11:05 PM - 11:10 PM	56.0	01:45 AM - 01:50 AM	51.3	01:45 AM - 01:50 AM	51.3	01:45 AM - 01:50 AM	50.7
08:30 PM - 08:35 PM	62.7	11:10 PM - 11:15 PM	54.0	01:50 AM - 01:55 AM	51.2	01:50 AM - 01:55 AM	51.2	01:50 AM - 01:55 AM	50.5
08:35 PM - 08:40 PM	64.5	11:15 PM - 11:20 PM	53.2	01:55 AM - 02:00 AM	51.8	01:55 AM - 02:00 AM	51.8	01:55 AM - 02:00 AM	51.2

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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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Sample Number : Z291807-1
Parameter : Noise Level (Leq 5 min)
Location : ขบวนการโกล (GPS 47P 0735038, 1405843)
Measurement Date : Aug 15 - Aug 16, 2022
Measurement by : Sawai Torpho
Sound Level meter : Serial No. 01122578

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Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)
02:00 AM - 02:05 AM	51.2	04:40 AM - 04:45 AM	51.0	07:20 AM - 07:25 AM	52.2	10:00 AM - 10:05 AM	54.1	12:40 PM - 12:45 PM	53.7
02:05 AM - 02:10 AM	50.5	04:45 AM - 04:50 AM	51.0	07:25 AM - 07:30 AM	52.4	10:05 AM - 10:10 AM	52.1	12:45 PM - 12:50 PM	59.9
02:10 AM - 02:15 AM	50.9	04:50 AM - 04:55 AM	52.8	07:30 AM - 07:35 AM	52.7	10:10 AM - 10:15 AM	51.5	12:50 PM - 12:55 PM	56.0
02:15 AM - 02:20 AM	50.4	04:55 AM - 05:00 AM	52.5	07:35 AM - 07:40 AM	51.9	10:15 AM - 10:20 AM	51.6	12:55 PM - 01:00 PM	56.2
02:20 AM - 02:25 AM	50.1	05:00 AM - 05:05 AM	54.3	07:40 AM - 07:45 AM	52.8	10:20 AM - 10:25 AM	52.3	01:00 PM - 01:05 PM	53.5
02:25 AM - 02:30 AM	50.4	05:05 AM - 05:10 AM	54.3	07:45 AM - 07:50 AM	51.9	10:25 AM - 10:30 AM	51.5	01:05 PM - 01:10 PM	52.1
02:30 AM - 02:35 AM	50.0	05:10 AM - 05:15 AM	54.9	07:50 AM - 07:55 AM	53.0	10:30 AM - 10:35 AM	51.4	01:10 PM - 01:15 PM	51.7
02:35 AM - 02:40 AM	51.0	05:15 AM - 05:20 AM	55.2	07:55 AM - 08:00 AM	53.6	10:35 AM - 10:40 AM	52.3	01:15 PM - 01:20 PM	52.4
02:40 AM - 02:45 AM	51.9	05:20 AM - 05:25 AM	54.7	08:00 AM - 08:05 AM	52.1	10:40 AM - 10:45 AM	53.2	01:20 PM - 01:25 PM	51.4
02:45 AM - 02:50 AM	52.0	05:25 AM - 05:30 AM	51.5	08:05 AM - 08:10 AM	52.0	10:45 AM - 10:50 AM	51.9	01:25 PM - 01:30 PM	51.5
02:50 AM - 02:55 AM	52.9	05:30 AM - 05:35 AM	51.5	08:10 AM - 08:15 AM	51.7	10:50 AM - 10:55 AM	52.1	01:30 PM - 01:35 PM	52.3
02:55 AM - 03:00 AM	52.9	05:35 AM - 05:40 AM	52.4	08:15 AM - 08:20 AM	52.5	10:55 AM - 11:00 AM	51.8	01:35 PM - 01:40 PM	51.4
03:00 AM - 03:05 AM	52.2	05:40 AM - 05:45 AM	52.9	08:20 AM - 08:25 AM	55.8	11:00 AM - 11:05 AM	53.9	01:40 PM - 01:45 PM	51.6
03:05 AM - 03:10 AM	51.7	05:45 AM - 05:50 AM	52.6	08:25 AM - 08:30 AM	57.6	11:05 AM - 11:10 AM	53.3	01:45 PM - 01:50 PM	52.9
03:10 AM - 03:15 AM	51.8	05:50 AM - 05:55 AM	51.2	08:30 AM - 08:35 AM	52.5	11:10 AM - 11:15 AM	53.0	01:50 PM - 01:55 PM	53.4
03:15 AM - 03:20 AM	52.9	05:55 AM - 06:00 AM	51.0	08:35 AM - 08:40 AM	50.6	11:15 AM - 11:20 AM	52.2	01:55 PM - 02:00 PM	52.6
03:20 AM - 03:25 AM	53.6	06:00 AM - 06:05 AM	51.3	08:40 AM - 08:45 AM	50.8	11:20 AM - 11:25 AM	51.9	02:00 PM - 02:05 PM	52.0
03:25 AM - 03:30 AM	53.8	06:05 AM - 06:10 AM	51.5	08:45 AM - 08:50 AM	51.2	11:25 AM - 11:30 AM	53.5	02:05 PM - 02:10 PM	52.9
03:30 AM - 03:35 AM	52.3	06:10 AM - 06:15 AM	52.4	08:50 AM - 08:55 AM	51.5	11:30 AM - 11:35 AM	53.5	02:10 PM - 02:15 PM	52.7
03:35 AM - 03:40 AM	52.1	06:15 AM - 06:20 AM	52.2	08:55 AM - 09:00 AM	52.6	11:35 AM - 11:40 AM	52.8	02:15 PM - 02:20 PM	54.8
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03:45 AM - 03:50 AM	51.5	06:25 AM - 06:30 AM	51.9	09:05 AM - 09:10 AM	51.1	11:45 AM - 11:50 AM	53.9	02:25 PM - 02:30 PM	55.5
03:50 AM - 03:55 AM	50.5	06:30 AM - 06:35 AM	52.8	09:10 AM - 09:15 AM	50.1	11:50 AM - 11:55 AM	55.7	02:30 PM - 02:35 PM	52.7
03:55 AM - 04:00 AM	50.3	06:35 AM - 06:40 AM	53.5	09:15 AM - 09:20 AM	51.7	11:55 AM - 12:00 PM	54.8	02:35 PM - 02:40 PM	53.3
04:00 AM - 04:05 AM	50.1	06:40 AM - 06:45 AM	52.3	09:20 AM - 09:25 AM	51.5	12:00 PM - 12:05 PM	54.3	02:40 PM - 02:45 PM	55.2
04:05 AM - 04:10 AM	50.0	06:45 AM - 06:50 AM	51.7	09:25 AM - 09:30 AM	51.9	12:05 PM - 12:10 PM	53.2	02:45 PM - 02:50 PM	54.4
04:10 AM - 04:15 AM	50.2	06:50 AM - 06:55 AM	53.6	09:30 AM - 09:35 AM	50.4	12:10 PM - 12:15 PM	52.3	02:50 PM - 02:55 PM	52.1
04:15 AM - 04:20 AM	49.5	06:55 AM - 07:00 AM	52.6	09:35 AM - 09:40 AM	50.8	12:15 PM - 12:20 PM	52.7	02:55 PM - 03:00 PM	52.5
04:20 AM - 04:25 AM	49.4	07:00 AM - 07:05 AM	53.4	09:40 AM - 09:45 AM	51.1	12:20 PM - 12:25 PM	52.1	03:00 PM - 03:05 PM	53.9
04:25 AM - 04:30 AM	48.9	07:05 AM - 07:10 AM	52.6	09:45 AM - 09:50 AM	51.4	12:25 PM - 12:30 PM	54.4	03:05 PM - 03:10 PM	51.9
04:30 AM - 04:35 AM	49.6	07:10 AM - 07:15 AM	52.0	09:50 AM - 09:55 AM	52.6	12:30 PM - 12:35 PM	54.5	03:10 PM - 03:15 PM	51.8
04:35 AM - 04:40 AM	49.8	07:15 AM - 07:20 AM	51.9	09:55 AM - 10:00 AM	55.4	12:35 PM - 12:40 PM	54.3	03:15 PM - 03:20 PM	51.4

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Assistant General Manager

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Sample Number : Z291807-2
Parameter : Noise Level (Leq 5 min)
Location : ขบวนการโกล (GPS 47P 0735038, 1405843)
Measurement Date : Aug 16 - Aug 17, 2022
Measurement by : Sawai Torpho
Sound Level meter : Serial No. 01122578

Page 1 of 3

Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)
10:00 AM - 10:05 AM	54.1	12:40 PM - 12:45 PM	53.7	03:20 PM - 03:25 PM	50.2	03:20 PM - 03:25 PM	50.6	03:20 PM - 03:25 PM	47.9
10:05 AM - 10:10 AM	52.1	12:45 PM - 12:50 PM	59.9	03:25 PM - 03:30 PM	52.1	03:25 PM - 03:30 PM	51.4	03:25 PM - 03:30 PM	48.7
10:10 AM - 10:15 AM	51.5	12:50 PM - 12:55 PM	56.0	03:30 PM - 03:35 PM	51.7	03:30 PM - 03:35 PM	52.6	03:30 PM - 03:35 PM	47.8
10:15 AM - 10:20 AM	51.6	12:55 PM - 01:00 PM	56.2	03:35 PM - 03:40 PM	50.1	03:35 PM - 03:40 PM	50.1	03:35 PM - 03:40 PM	47.4
10:20 AM - 10:25 AM	52.3	01:00 PM - 01:05 PM	53.5	03:40 PM - 03:45 PM	49.9	03:40 PM - 03:45 PM	52.6	03:40 PM - 03:45 PM	49.3
10:25 AM - 10:30 AM	51.5	01:05 PM - 01:10 PM	52.1	03:45 PM - 03:50 PM	50.1	03:45 PM - 03:50 PM	50.1	03:45 PM - 03:50 PM	47.4
10:30 AM - 10:35 AM	51.4	01:10 PM - 01:15 PM	51.7	03:50 PM - 03:55 PM	49.0	03:50 PM - 03:55 PM	51.9	03:50 PM - 03:55 PM	49.0
10:35 AM - 10:40 AM	52.3	01:15 PM - 01:20 PM	52.4	03:55 PM - 04:00 PM	51.3	03:55 PM - 04:00 PM	51.3	03:55 PM - 04:00 PM	49.2
10:40 AM - 10:45 AM	53.2	01:20 PM - 01:25 PM	51.4	04:00 PM - 04:05 PM	53.7	04:00 PM - 04:05 PM	53.7	04:00 PM - 04:05 PM	50.6
10:45 AM - 10:50 AM	51.9	01:25 PM - 01:30 PM	51.5	04:05 PM - 04:10 PM	53.8	04:05 PM - 04:10 PM	53.8	04:05 PM - 04:10 PM	51.0
10:50 AM - 10:55 AM	52.1	01:30 PM - 01:35 PM	52.3	04:10 PM - 04:15 PM	52.4	04:10 PM - 04:15 PM	52.4	04:10 PM - 04:15 PM	49.9
10:55 AM - 11:00 AM	48.3	01:35 PM - 01:40 PM	51.4	04:15 PM - 04:20 PM	52.9	04:15 PM - 04:20 PM	52.9	04:15 PM - 04:20 PM	49.8
11:00 AM - 11:05 AM	53.9	01:40 PM - 01:45 PM	51.6	04:20 PM - 04:25 PM	55.3	04:20 PM - 04:25 PM	55.3	04:20 PM - 04:25 PM	52.6
11:05 AM - 11:10 AM	53.3	01:45 PM - 01:50 PM	52.9	04:25 PM - 04:30 PM	54.6	04:25 PM - 04:30 PM	54.6	04:25 PM - 04:30 PM	51.8
11:10 AM - 11:15 AM	53.0	01:50 PM - 01:55 PM	53.4	04:30 PM - 04:35 PM	54.8	04:30 PM - 04:35 PM	54.8	04:30 PM - 04:35 PM	52.1
11:15 AM - 11:20 AM	52.2	01:55 PM - 02:00 PM	52.6	04:35 PM - 04:40 PM	52.3	04:35 PM - 04:40 PM	52.3	04:35 PM - 04:40 PM	50.2
11:20 AM - 11:25 AM	51.9	02:00 PM - 02:05 PM	52.0	04:40 PM - 04:45 PM	52.0	04:40 PM - 04:45 PM	52.0	04:40 PM - 04:45 PM	49.9
11:25 AM - 11:30 AM	53.5	02:05 PM - 02:10 PM	52.9	04:45 PM - 04:50 PM	52.7	04:45 PM - 04:50 PM	52.7	04:45 PM - 04:50 PM	50.9
11:30 AM - 11:35 AM	53.5	02:10 PM - 02:15 PM	52.7	04:50 PM - 04:55 PM	53.1	04:50 PM - 04:55 PM	53.1	04:50 PM - 04:55 PM	50.0
11:35 AM - 11:40 AM	52.8	02:15 PM - 02:20 PM	54.8	04:55 PM - 05:00 PM	54.7	04:55 PM - 05:00 PM	54.7	04:55 PM - 05:00 PM	52.4
11:40 AM - 11:45 AM	52.9	02:20 PM - 02:25 PM	52.5	05:00 PM - 05:05 PM	54.0	05:00 PM - 05:05 PM	54.0	05:00 PM - 05:05 PM	51.4
11:45 AM - 11:50 AM	53.9	02:25 PM - 02:30 PM	55.5	05:05 PM - 05:10 PM	54.1	05:05 PM - 05:10 PM	54.1	05:05 PM - 05:10 PM	51.5
11:50 AM - 11:55 AM	55.7	02:30 PM - 02:35 PM	52.7	05:10 PM - 05:15 PM	51.0	05:10 PM - 05:15 PM	53.6	05:10 PM - 05:15 PM	51.0
11:55 AM - 12:00 PM	54.8	02:35 PM - 02:40 PM	53.3	05:15 PM - 05:20 PM	50.6	05:15 PM - 05:20 PM	53.0	05:15 PM - 05:20 PM	50.6
12:00 PM - 12:05 PM	54.3	02:40 PM - 02:45 PM	55.2	05:20 PM - 05:25 PM	52.6	05:20 PM - 05:25 PM	52.6	05:20 PM - 05:25 PM	49.8
12:05 PM - 12:10 PM	53.2	02:45 PM - 02:50 PM	54.4	05:25 PM - 05:30 PM	55.1	05:25 PM - 05:30 PM	55.1	05:25 PM - 05:30 PM	50.5
12:10 PM - 12:15 PM	52.3	02:50 PM - 02:55 PM	52.1	05:30 PM - 05:35 PM	53.9	05:30 PM - 05:35 PM	53.9	05:30 PM - 05:35 PM	50.0
12:15 PM - 12:20 PM	52.7	02:55 PM - 03:00 PM	52.5	05:35 PM - 05:40 PM	54.0	05:35 PM - 05:40 PM	54.0	05:35 PM - 05:40 PM	50.5
12:20 PM - 12:25 PM	52.1	03:00 PM - 03:05 PM	53.9	05:40 PM - 05:45 PM	51.7	05:40 PM - 05:45 PM	51.7	05:40 PM - 05:45 PM	49.1
12:25 PM - 12:30 PM	54.4	03:05 PM - 03:10 PM	51.6	05:45 PM - 05:50 PM	51.9	05:45 PM - 05:50 PM	51.9	05:45 PM - 05:50 PM	49.1
12:30 PM - 12:35 PM	54.5	03:10 PM - 03:15 PM	51.8	05:50 PM - 05:55 PM	51.6	05:50 PM - 05:55 PM	51.6	05:50 PM - 05:55 PM	49.7
12:35 PM - 12:40 PM	54.3	03:15 PM - 03:20 PM	51.4	05:55 PM - 06:00 PM	52.4	05:55 PM - 06:00 PM	52.4	05:55 PM - 06:00 PM	49.8



Client : Siam Polyethylene Co., Ltd.

P/O : 4512635056, 4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Sample Number : Z291807-2

Parameter : Noise Level (Leq 5 min)

Location : Banjarua Tanna (GPS 47P 0735038, 1405843)

Measurement Date : Aug 16 - Aug 17, 2022

Measurement by : Sawai Tongtho

Sound Level meter : Serial No. 01122578

Analysis / Test Report

Lot ID: Z291807

Date Received : Aug 23, 2022

Date Reported : Aug 29, 2022

Report Number : 2413654-1

Page 2 of 3

Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	52.8	08:40 PM - 08:45 PM	53.2	11:20 PM - 11:25 PM	60.4	51.7
06:05 PM - 06:10 PM	53.5	08:45 PM - 08:50 PM	52.9	11:25 PM - 11:30 PM	63.5	51.7
06:10 PM - 06:15 PM	52.6	08:50 PM - 08:55 PM	54.9	11:30 PM - 11:35 PM	67.2	51.7
06:15 PM - 06:20 PM	52.7	08:55 PM - 09:00 PM	56.0	11:35 PM - 11:40 PM	65.3	47.8
06:20 PM - 06:25 PM	51.9	09:00 PM - 09:05 PM	54.1	11:40 PM - 11:45 PM	63.6	57.2
06:25 PM - 06:30 PM	55.5	09:05 PM - 09:10 PM	55.3	11:45 PM - 11:50 PM	67.5	61.2
06:30 PM - 06:35 PM	52.7	09:10 PM - 09:15 PM	56.2	11:50 PM - 11:55 PM	65.3	58.3
06:35 PM - 06:40 PM	51.7	09:15 PM - 09:20 PM	59.7	11:55 PM - 12:00 AM	66.2	57.7
06:40 PM - 06:45 PM	50.2	09:20 PM - 09:25 PM	59.7	12:00 AM - 12:05 AM	65.3	51.2
06:45 PM - 06:50 PM	59.5	09:25 PM - 09:30 PM	55.1	12:05 AM - 12:10 AM	65.8	58.5
06:50 PM - 06:55 PM	51.0	09:30 PM - 09:35 PM	56.7	12:10 AM - 12:15 AM	64.0	57.6
06:55 PM - 07:00 PM	50.9	09:35 PM - 09:40 PM	55.0	12:15 AM - 12:20 AM	67.3	61.0
07:00 PM - 07:05 PM	65.3	09:40 PM - 09:45 PM	58.5	12:20 AM - 12:25 AM	67.0	59.1
07:05 PM - 07:10 PM	53.0	09:45 PM - 09:50 PM	55.6	12:25 AM - 12:30 AM	65.4	57.9
07:10 PM - 07:15 PM	52.3	09:50 PM - 09:55 PM	57.6	12:30 AM - 12:35 AM	65.1	52.7
07:15 PM - 07:20 PM	51.6	09:55 PM - 10:00 PM	57.4	12:35 AM - 12:40 AM	65.8	52.8
07:20 PM - 07:25 PM	52.3	10:00 PM - 10:05 PM	59.9	12:40 AM - 12:45 AM	67.0	59.6
07:25 PM - 07:30 PM	52.3	10:05 PM - 10:10 PM	60.1	12:45 AM - 12:50 AM	65.6	52.6
07:30 PM - 07:35 PM	49.7	10:10 PM - 10:15 PM	61.2	12:50 AM - 12:55 AM	66.3	61.3
07:35 PM - 07:40 PM	51.5	10:15 PM - 10:20 PM	57.2	12:55 AM - 01:00 AM	68.0	63.1
07:40 PM - 07:45 PM	52.2	10:20 PM - 10:25 PM	65.5	01:00 AM - 01:05 AM	65.0	51.5
07:45 PM - 07:50 PM	51.6	10:25 PM - 10:30 PM	63.6	01:05 AM - 01:10 AM	63.8	50.9
07:50 PM - 07:55 PM	51.6	10:30 PM - 10:35 PM	62.8	01:10 AM - 01:15 AM	65.0	51.2
07:55 PM - 08:00 PM	52.1	10:35 PM - 10:40 PM	61.2	01:15 AM - 01:20 AM	65.0	51.0
08:00 PM - 08:05 PM	52.0	10:40 PM - 10:45 PM	62.6	01:20 AM - 01:25 AM	62.9	51.0
08:05 PM - 08:10 PM	51.2	10:45 PM - 10:50 PM	60.8	01:25 AM - 01:30 AM	65.6	51.7
08:10 PM - 08:15 PM	52.5	10:50 PM - 10:55 PM	62.4	01:30 AM - 01:35 AM	65.4	51.1
08:15 PM - 08:20 PM	52.4	10:55 PM - 11:00 PM	63.4	01:35 AM - 01:40 AM	65.9	51.6
08:20 PM - 08:25 PM	52.0	11:00 PM - 11:05 PM	64.7	01:40 AM - 01:45 AM	65.2	51.4
08:25 PM - 08:30 PM	51.7	11:05 PM - 11:10 PM	65.4	01:45 AM - 01:50 AM	65.4	53.0
08:30 PM - 08:35 PM	52.2	11:10 PM - 11:15 PM	64.5	01:50 AM - 01:55 AM	64.9	51.7
08:35 PM - 08:40 PM	52.1	11:15 PM - 11:20 PM	64.5	01:55 AM - 02:00 AM	66.4	51.3

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Approved by

Saranyuth Jitrantorn
Assistant General Manager

Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

P/O : 4512635056, 4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Sample Number : Z291807-2

Parameter : Noise Level (Leq 5 min)

Location : Banjarua Tanna (GPS 47P 0735038, 1405843)

Measurement Date : Aug 16 - Aug 17, 2022

Measurement by : Sawai Tongtho

Sound Level meter : Serial No. 01122578

Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	67.7	04:40 AM - 04:45 AM	53.4	07:20 AM - 07:25 AM	55.1	52.5
02:05 AM - 02:10 AM	63.9	04:45 AM - 04:50 AM	53.2	07:25 AM - 07:30 AM	54.8	52.5
02:10 AM - 02:15 AM	63.4	04:50 AM - 04:55 AM	52.7	07:30 AM - 07:35 AM	55.2	52.2
02:15 AM - 02:20 AM	64.1	04:55 AM - 05:00 AM	52.5	07:35 AM - 07:40 AM	52.9	51.1
02:20 AM - 02:25 AM	60.7	05:00 AM - 05:05 AM	51.3	07:40 AM - 07:45 AM	53.7	50.8
02:25 AM - 02:30 AM	61.1	05:05 AM - 05:10 AM	52.4	07:45 AM - 07:50 AM	54.8	51.0
02:30 AM - 02:35 AM	57.8	05:10 AM - 05:15 AM	51.9	07:50 AM - 07:55 AM	55.0	51.4
02:35 AM - 02:40 AM	62.2	05:15 AM - 05:20 AM	51.5	07:55 AM - 08:00 AM	56.4	53.4
02:40 AM - 02:45 AM	65.8	05:20 AM - 05:25 AM	50.9	08:00 AM - 08:05 AM	56.9	52.5
02:45 AM - 02:50 AM	63.8	05:25 AM - 05:30 AM	51.4	08:05 AM - 08:10 AM	52.4	50.2
02:50 AM - 02:55 AM	58.3	05:30 AM - 05:35 AM	52.5	08:10 AM - 08:15 AM	54.8	51.5
02:55 AM - 03:00 AM	61.4	05:35 AM - 05:40 AM	52.0	08:15 AM - 08:20 AM	55.1	51.2
03:00 AM - 03:05 AM	60.7	05:40 AM - 05:45 AM	51.1	08:20 AM - 08:25 AM	57.3	53.8
03:05 AM - 03:10 AM	56.6	05:45 AM - 05:50 AM	51.3	08:25 AM - 08:30 AM	56.7	54.2
03:10 AM - 03:15 AM	57.5	05:50 AM - 05:55 AM	53.1	08:30 AM - 08:35 AM	54.4	51.1
03:15 AM - 03:20 AM	54.1	05:55 AM - 06:00 AM	52.6	08:35 AM - 08:40 AM	54.2	50.6
03:20 AM - 03:25 AM	51.4	06:00 AM - 06:05 AM	53.4	08:40 AM - 08:45 AM	58.1	51.8
03:25 AM - 03:30 AM	52.0	06:05 AM - 06:10 AM	53.6	08:45 AM - 08:50 AM	56.5	50.6
03:30 AM - 03:35 AM	51.0	06:10 AM - 06:15 AM	53.2	08:50 AM - 08:55 AM	55.7	51.1
03:35 AM - 03:40 AM	52.1	06:15 AM - 06:20 AM	54.8	08:55 AM - 09:00 AM	54.7	50.7
03:40 AM - 03:45 AM	58.3	06:20 AM - 06:25 AM	54.8	09:00 AM - 09:05 AM	55.0	50.7
03:45 AM - 03:50 AM	55.9	06:25 AM - 06:30 AM	53.3	09:05 AM - 09:10 AM	54.6	51.2
03:50 AM - 03:55 AM	52.5	06:30 AM - 06:35 AM	54.0	09:10 AM - 09:15 AM	54.1	51.0
03:55 AM - 04:00 AM	52.4	06:35 AM - 06:40 AM	55.9	09:15 AM - 09:20 AM	52.6	49.7
04:00 AM - 04:05 AM	51.3	06:40 AM - 06:45 AM	54.5	09:20 AM - 09:25 AM	52.6	49.9
04:05 AM - 04:10 AM	53.0	06:45 AM - 06:50 AM	54.5	09:25 AM - 09:30 AM	53.3	50.4
04:10 AM - 04:15 AM	52.8	06:50 AM - 06:55 AM	54.9	09:30 AM - 09:35 AM	53.4	50.7
04:15 AM - 04:20 AM	55.1	06:55 AM - 07:00 AM	55.9	09:35 AM - 09:40 AM	54.8	51.5
04:20 AM - 04:25 AM	55.1	07:00 AM - 07:05 AM	54.0	09:40 AM - 09:45 AM	53.7	51.1
04:25 AM - 04:30 AM	56.6	07:05 AM - 07:10 AM	53.8	09:45 AM - 09:50 AM	52.9	50.6
04:30 AM - 04:35 AM	53.7	07:10 AM - 07:15 AM	53.8	09:50 AM - 09:55 AM	53.2	50.2
04:35 AM - 04:40 AM	53.1	07:15 AM - 07:20 AM	53.2	09:55 AM - 10:00 AM	54.0	50.6

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Approved by

Saranyuth Jitrantorn
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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Page 1 of 3

Sample Number : Z291807-3
Parameter : Noise Level (Leq 5 min)
Location : ต.บึงนาพันนา (GPS: 47P 0735038, 1405843)
Measurement Date : Aug 17 - Aug 18, 2022
Measurement by : Sawat Tongpho
Sound Level meter : Serial No. 01122578

Aug 17, 2022	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)
10:00 AM - 10:05 AM	52.1	49.7	12:40 PM - 12:45 PM	53.7	51.3	03:20 PM - 03:25 PM	54.1
10:05 AM - 10:10 AM	52.7	50.3	12:45 PM - 12:50 PM	54.3	51.1	03:25 PM - 03:30 PM	52.6
10:10 AM - 10:15 AM	52.3	49.9	12:50 PM - 12:55 PM	55.5	51.3	03:30 PM - 03:35 PM	52.2
10:15 AM - 10:20 AM	52.1	49.8	12:55 PM - 01:00 PM	54.5	50.3	03:35 PM - 03:40 PM	55.4
10:20 AM - 10:25 AM	54.3	51.3	01:00 PM - 01:05 PM	52.8	49.6	03:40 PM - 03:45 PM	55.6
10:25 AM - 10:30 AM	52.1	49.8	01:05 PM - 01:10 PM	54.5	50.9	03:45 PM - 03:50 PM	53.8
10:30 AM - 10:35 AM	52.4	49.8	01:10 PM - 01:15 PM	54.8	51.0	03:50 PM - 03:55 PM	54.0
10:35 AM - 10:40 AM	51.6	48.7	01:15 PM - 01:20 PM	54.8	51.1	03:55 PM - 04:00 PM	55.1
10:40 AM - 10:45 AM	52.0	49.2	01:20 PM - 01:25 PM	52.1	49.2	04:00 PM - 04:05 PM	55.5
10:45 AM - 10:50 AM	50.4	48.6	01:25 PM - 01:30 PM	54.0	50.9	04:05 PM - 04:10 PM	54.0
10:50 AM - 10:55 AM	52.4	49.0	01:30 PM - 01:35 PM	53.0	50.7	04:10 PM - 04:15 PM	54.7
10:55 AM - 11:00 AM	51.4	48.9	01:35 PM - 01:40 PM	55.4	51.7	04:15 PM - 04:20 PM	56.4
11:00 AM - 11:05 AM	50.5	48.1	01:40 PM - 01:45 PM	56.5	54.2	04:20 PM - 04:25 PM	56.4
11:05 AM - 11:10 AM	51.0	48.2	01:45 PM - 01:50 PM	53.9	50.7	04:25 PM - 04:30 PM	53.6
11:10 AM - 11:15 AM	50.4	48.1	01:50 PM - 01:55 PM	54.5	51.6	04:30 PM - 04:35 PM	54.1
11:15 AM - 11:20 AM	52.0	49.1	01:55 PM - 02:00 PM	54.1	48.6	04:35 PM - 04:40 PM	56.0
11:20 AM - 11:25 AM	53.8	50.5	02:00 PM - 02:05 PM	53.2	50.0	04:40 PM - 04:45 PM	53.0
11:25 AM - 11:30 AM	52.4	50.0	02:05 PM - 02:10 PM	54.0	49.9	04:45 PM - 04:50 PM	54.0
11:30 AM - 11:35 AM	51.0	48.7	02:10 PM - 02:15 PM	54.0	49.3	04:50 PM - 04:55 PM	55.0
11:35 AM - 11:40 AM	53.0	50.2	02:15 PM - 02:20 PM	52.6	49.4	04:55 PM - 05:00 PM	54.0
11:40 AM - 11:45 AM	51.6	49.7	02:20 PM - 02:25 PM	54.4	50.9	05:00 PM - 05:05 PM	54.9
11:45 AM - 11:50 AM	52.6	50.4	02:25 PM - 02:30 PM	56.2	51.5	05:05 PM - 05:10 PM	54.3
11:50 AM - 11:55 AM	54.0	50.9	02:30 PM - 02:35 PM	54.0	49.9	05:10 PM - 05:15 PM	55.3
12:00 PM - 12:05 PM	54.8	52.3	02:35 PM - 02:40 PM	53.2	49.6	05:15 PM - 05:20 PM	54.1
12:05 PM - 12:10 PM	54.6	49.5	02:40 PM - 02:45 PM	55.6	50.7	05:20 PM - 05:25 PM	53.9
12:10 PM - 12:15 PM	50.7	48.7	02:45 PM - 02:50 PM	55.8	51.7	05:25 PM - 05:30 PM	54.2
12:15 PM - 12:20 PM	51.0	47.6	02:50 PM - 02:55 PM	57.0	52.9	05:30 PM - 05:35 PM	55.0
12:20 PM - 12:25 PM	53.4	48.4	02:55 PM - 03:00 PM	56.9	52.6	05:35 PM - 05:40 PM	52.4
12:25 PM - 12:30 PM	52.1	50.1	03:00 PM - 03:05 PM	55.8	50.6	05:40 PM - 05:45 PM	53.8
12:30 PM - 12:35 PM	52.2	49.3	03:05 PM - 03:10 PM	56.3	51.9	05:45 PM - 05:50 PM	53.2
12:35 PM - 12:40 PM	54.0	50.0	03:10 PM - 03:15 PM	53.5	50.5	05:50 PM - 05:55 PM	52.5
			03:15 PM - 03:20 PM	55.4	50.9	05:55 PM - 06:00 PM	51.9

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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Page 2 of 3

Sample Number : Z291807-3
Parameter : Noise Level (Leq 5 min)
Location : ต.บึงนาพันนา (GPS: 47P 0735038, 1405843)
Measurement Date : Aug 17 - Aug 18, 2022
Measurement by : Sawat Tongpho
Sound Level meter : Serial No. 01122578

Aug 17, 2022	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)
06:00 PM - 06:05 PM	51.4	49.5	08:40 PM - 08:45 PM	53.9	52.6	11:20 PM - 11:25 PM	51.6
06:05 PM - 06:10 PM	52.9	49.8	08:45 PM - 08:50 PM	54.7	52.8	11:25 PM - 11:30 PM	52.1
06:10 PM - 06:15 PM	53.1	50.9	08:50 PM - 08:55 PM	55.7	51.9	11:30 PM - 11:35 PM	64.4
06:15 PM - 06:20 PM	51.1	49.3	08:55 PM - 09:00 PM	57.0	52.7	11:35 PM - 11:40 PM	62.2
06:20 PM - 06:25 PM	51.4	49.5	09:00 PM - 09:05 PM	56.8	52.3	11:40 PM - 11:45 PM	60.8
06:25 PM - 06:30 PM	52.5	50.4	09:05 PM - 09:10 PM	55.9	52.0	11:45 PM - 11:50 PM	58.1
06:30 PM - 06:35 PM	53.2	50.9	09:10 PM - 09:15 PM	55.6	52.0	11:50 PM - 11:55 PM	51.5
06:35 PM - 06:40 PM	51.7	49.5	09:15 PM - 09:20 PM	57.0	51.9	11:55 PM - 12:00 AM	56.5
06:40 PM - 06:45 PM	51.5	48.4	09:20 PM - 09:25 PM	56.0	52.1	12:00 AM - 12:05 AM	54.9
06:45 PM - 06:50 PM	53.2	48.5	09:25 PM - 09:30 PM	56.3	52.3	12:05 AM - 12:10 AM	54.9
06:50 PM - 06:55 PM	52.5	50.0	09:30 PM - 09:35 PM	56.0	52.7	12:10 AM - 12:15 AM	55.2
06:55 PM - 07:00 PM	52.5	50.0	09:35 PM - 09:40 PM	56.6	52.5	12:15 AM - 12:20 AM	51.4
07:00 PM - 07:05 PM	51.0	49.3	09:40 PM - 09:45 PM	56.6	52.2	12:20 AM - 12:25 AM	51.2
07:05 PM - 07:10 PM	51.2	49.6	09:45 PM - 09:50 PM	59.0	53.7	12:25 AM - 12:30 AM	51.3
07:10 PM - 07:15 PM	51.7	49.4	09:50 PM - 09:55 PM	60.0	53.8	12:30 AM - 12:35 AM	50.9
07:15 PM - 07:20 PM	52.4	49.0	09:55 PM - 10:00 PM	59.6	53.8	12:35 AM - 12:40 AM	58.0
07:20 PM - 07:25 PM	51.5	49.3	10:00 PM - 10:05 PM	64.2	54.2	12:40 AM - 12:45 AM	51.0
07:25 PM - 07:30 PM	51.6	49.0	10:05 PM - 10:10 PM	61.9	53.4	12:45 AM - 12:50 AM	50.9
07:30 PM - 07:35 PM	50.9	48.8	10:10 PM - 10:15 PM	60.6	53.1	12:50 AM - 12:55 AM	51.3
07:35 PM - 07:40 PM	51.3	49.3	10:15 PM - 10:20 PM	66.7	54.2	12:55 AM - 01:00 AM	51.7
07:40 PM - 07:45 PM	51.2	49.3	10:20 PM - 10:25 PM	65.0	52.8	01:00 AM - 01:05 AM	51.3
07:45 PM - 07:50 PM	52.5	49.6	10:25 PM - 10:30 PM	64.6	52.7	01:05 AM - 01:10 AM	51.1
07:50 PM - 07:55 PM	51.9	49.7	10:30 PM - 10:35 PM	66.5	52.7	01:10 AM - 01:15 AM	56.3
07:55 PM - 08:00 PM	52.3	50.7	10:35 PM - 10:40 PM	65.5	52.8	01:15 AM - 01:20 AM	51.4
08:00 PM - 08:05 PM	52.0	49.1	10:40 PM - 10:45 PM	67.3	53.9	01:20 AM - 01:25 AM	57.3
08:05 PM - 08:10 PM	50.9	48.9	10:45 PM - 10:50 PM	62.7	52.9	01:25 AM - 01:30 AM	50.9
08:10 PM - 08:15 PM	53.1	48.8	10:50 PM - 10:55 PM	59.8	49.5	01:30 AM - 01:35 AM	50.8
08:15 PM - 08:20 PM	51.7	48.8	10:55 PM - 11:00 PM	59.4	50.3	01:35 AM - 01:40 AM	51.0
08:20 PM - 08:25 PM	53.2	51.6	11:00 PM - 11:05 PM	60.8	48.9	01:40 AM - 01:45 AM	50.4
08:25 PM - 08:30 PM	54.1	52.9	11:05 PM - 11:10 PM	63.6	49.9	01:45 AM - 01:50 AM	50.6
08:30 PM - 08:35 PM	54.1	52.5	11:10 PM - 11:15 PM	66.6	51.6	01:50 AM - 01:55 AM	49.7
08:35 PM - 08:40 PM	54.2	52.4	11:15 PM - 11:20 PM	52.6	49.5	01:55 AM - 02:00 AM	46.5

Approved by

Sarayuth Jitranont
Assistant General Manager

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Client : Siam Polyethylene Co., Ltd.

P/O : 4512635056, 4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Sample Number : Z291807-3

Parameter : Noise Level (Leq 5 min)

Location : ซาวาลตันโน (GPS 47P 0735038, 1405843)

Measurement Date : Aug 17 - Aug 18, 2022

Measurement by : Sawal Tonpho

Sound Level meter : Serial No. 01122578

Analysis / Test Report

Lot ID: Z291807

Date Received : Aug 23, 2022

Date Reported : Aug 29, 2022

Report Number : 2413655-1

Page 3 of 3

Aug 18, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 18, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	47.1	45.9	04:40 AM - 04:45 AM	49.9	48.3
02:05 AM - 02:10 AM	47.4	46.1	04:45 AM - 04:50 AM	50.9	48.1
02:10 AM - 02:15 AM	48.3	46.7	04:50 AM - 04:55 AM	48.4	47.0
02:15 AM - 02:20 AM	51.2	48.2	04:55 AM - 05:00 AM	49.9	47.0
02:20 AM - 02:25 AM	51.1	50.2	05:00 AM - 05:05 AM	48.9	47.1
02:25 AM - 02:30 AM	51.9	50.6	05:05 AM - 05:10 AM	48.5	47.1
02:30 AM - 02:35 AM	52.7	51.3	05:10 AM - 05:15 AM	48.5	46.8
02:35 AM - 02:40 AM	54.0	51.5	05:15 AM - 05:20 AM	49.4	47.7
02:40 AM - 02:45 AM	52.1	50.9	05:20 AM - 05:25 AM	49.2	47.8
02:45 AM - 02:50 AM	52.4	51.0	05:25 AM - 05:30 AM	53.8	48.1
02:50 AM - 02:55 AM	53.1	51.5	05:30 AM - 05:35 AM	57.3	48.8
02:55 AM - 03:00 AM	52.4	51.3	05:35 AM - 05:40 AM	51.7	47.8
03:00 AM - 03:05 AM	52.4	47.5	05:40 AM - 05:45 AM	50.1	47.6
03:05 AM - 03:10 AM	51.5	47.6	05:45 AM - 05:50 AM	51.1	48.2
03:10 AM - 03:15 AM	49.1	47.1	05:50 AM - 05:55 AM	51.0	48.9
03:15 AM - 03:20 AM	49.7	46.9	05:55 AM - 06:00 AM	51.7	49.4
03:20 AM - 03:25 AM	50.3	47.4	06:00 AM - 06:05 AM	50.9	49.1
03:25 AM - 03:30 AM	51.5	48.8	06:05 AM - 06:10 AM	52.1	50.0
03:30 AM - 03:35 AM	49.6	47.0	06:10 AM - 06:15 AM	51.8	50.3
03:35 AM - 03:40 AM	48.5	47.1	06:15 AM - 06:20 AM	52.6	50.4
03:40 AM - 03:45 AM	48.6	46.7	06:20 AM - 06:25 AM	53.3	50.2
03:45 AM - 03:50 AM	47.9	46.3	06:25 AM - 06:30 AM	53.0	50.7
03:50 AM - 03:55 AM	48.4	46.7	06:30 AM - 06:35 AM	52.3	50.8
03:55 AM - 04:00 AM	57.7	46.4	06:35 AM - 06:40 AM	52.8	51.3
04:00 AM - 04:05 AM	48.1	46.6	06:40 AM - 06:45 AM	52.5	51.1
04:05 AM - 04:10 AM	48.6	46.8	06:45 AM - 06:50 AM	54.5	51.2
04:10 AM - 04:15 AM	47.9	46.8	06:50 AM - 06:55 AM	52.7	50.8
04:15 AM - 04:20 AM	47.7	46.7	06:55 AM - 07:00 AM	53.2	50.8
04:20 AM - 04:25 AM	48.2	46.8	07:00 AM - 07:05 AM	53.2	50.9
04:25 AM - 04:30 AM	48.9	46.9	07:05 AM - 07:10 AM	54.8	51.0
04:30 AM - 04:35 AM	48.3	46.5	07:10 AM - 07:15 AM	51.8	50.6
04:35 AM - 04:40 AM	48.5	46.4	07:15 AM - 07:20 AM	53.9	52.1

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Sarayuth Jitrantorn
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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER



Client : Siam Polyethylene Co., Ltd.

P/O : 4512635056, 4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Sample Number : Z291807-4

Parameter : Noise Level (Leq 5 min)

Location : ซาวาลตันโน (GPS 47P 0735038, 1405843)

Measurement Date : Aug 18 - Aug 19, 2022

Measurement by : Sawal Tonpho

Sound Level meter : Serial No. 01122578

Analysis / Test Report

Lot ID: Z291807

Date Received : Aug 23, 2022

Date Reported : Aug 29, 2022

Report Number : 2413656-1

Page 1 of 3

Aug 18, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 18, 2022 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	55.7	51.4	12:40 PM - 12:45 PM	53.1	51.2
10:05 AM - 10:10 AM	54.3	50.0	12:45 PM - 12:50 PM	52.3	50.8
10:10 AM - 10:15 AM	51.9	48.4	12:50 PM - 12:55 PM	51.7	50.3
10:15 AM - 10:20 AM	51.9	47.6	12:55 PM - 01:00 PM	52.9	50.8
10:20 AM - 10:25 AM	52.5	48.7	01:00 PM - 01:05 PM	52.2	50.2
10:25 AM - 10:30 AM	51.2	48.0	01:05 PM - 01:10 PM	52.8	48.2
10:30 AM - 10:35 AM	52.6	48.1	01:10 PM - 01:15 PM	53.7	48.3
10:35 AM - 10:40 AM	53.9	48.4	01:15 PM - 01:20 PM	57.6	48.2
10:40 AM - 10:45 AM	50.2	48.3	01:20 PM - 01:25 PM	53.0	48.2
10:45 AM - 10:50 AM	50.7	48.3	01:25 PM - 01:30 PM	54.3	50.1
10:50 AM - 10:55 AM	54.6	48.1	01:30 PM - 01:35 PM	51.2	47.3
10:55 AM - 11:00 AM	56.7	49.4	01:35 PM - 01:40 PM	54.0	47.7
11:00 AM - 11:05 AM	54.0	49.9	01:40 PM - 01:45 PM	56.3	47.8
11:05 AM - 11:10 AM	51.2	48.5	01:45 PM - 01:50 PM	52.0	48.4
11:10 AM - 11:15 AM	50.0	48.0	01:50 PM - 01:55 PM	57.2	49.8
11:15 AM - 11:20 AM	51.2	47.9	01:55 PM - 02:00 PM	56.4	50.0
11:20 AM - 11:25 AM	51.4	48.8	02:00 PM - 02:05 PM	50.6	46.4
11:25 AM - 11:30 AM	50.5	48.3	02:05 PM - 02:10 PM	50.3	46.2
11:30 AM - 11:35 AM	49.3	47.3	02:10 PM - 02:15 PM	50.1	46.9
11:35 AM - 11:40 AM	50.0	47.6	02:15 PM - 02:20 PM	50.2	47.3
11:40 AM - 11:45 AM	50.2	47.9	02:20 PM - 02:25 PM	48.9	46.7
11:45 AM - 11:50 AM	52.3	49.1	02:25 PM - 02:30 PM	48.7	46.9
11:50 AM - 11:55 AM	53.9	50.6	02:30 PM - 02:35 PM	45.6	46.7
11:55 AM - 12:00 PM	52.5	48.9	02:35 PM - 02:40 PM	50.0	46.8
12:00 PM - 12:05 PM	50.5	48.4	02:40 PM - 02:45 PM	50.0	47.8
12:05 PM - 12:10 PM	55.6	50.9	02:45 PM - 02:50 PM	50.4	46.7
12:10 PM - 12:15 PM	51.8	50.3	02:50 PM - 02:55 PM	48.6	46.1
12:15 PM - 12:20 PM	51.6	50.1	02:55 PM - 03:00 PM	48.6	46.5
12:20 PM - 12:25 PM	52.9	50.6	03:00 PM - 03:05 PM	48.8	46.6
12:25 PM - 12:30 PM	51.9	50.4	03:05 PM - 03:10 PM	50.5	46.4
12:30 PM - 12:35 PM	55.3	50.8	03:10 PM - 03:15 PM	49.7	46.8
12:35 PM - 12:40 PM	52.4	50.6	03:15 PM - 03:20 PM	48.7	46.7

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Approved by

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Assistant General Manager

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413656-1

Analysis / Test Report

Page 2 of 3

Sample Number : 2291807-4
Parameter : Noise Level (Leq 5 min)
Location : Banrua Tanna (GPS 47P 0735038, 1405843)
Measurement Date : Aug 18 - Aug 19, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122578

Aug 18, 2022 Time	Leq dB(A)	Aug 18, 2022 Time	Leq dB(A)	Aug 18 - Aug 19, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	55.1	08:40 PM - 08:45 PM	51.1	11:20 PM - 11:25 PM	50.4	48.0
06:05 PM - 06:10 PM	51.0	08:45 PM - 08:50 PM	49.9	11:25 PM - 11:30 PM	50.4	47.6
06:10 PM - 06:15 PM	51.0	08:50 PM - 08:55 PM	51.0	11:30 PM - 11:35 PM	50.0	48.1
06:15 PM - 06:20 PM	51.0	08:55 PM - 09:00 PM	52.9	11:35 PM - 11:40 PM	50.4	48.3
06:20 PM - 06:25 PM	51.6	09:00 PM - 09:05 PM	51.4	11:40 PM - 11:45 PM	51.0	49.0
06:25 PM - 06:30 PM	50.9	09:05 PM - 09:10 PM	49.6	11:45 PM - 11:50 PM	50.7	48.7
06:30 PM - 06:35 PM	51.3	09:10 PM - 09:15 PM	49.2	11:50 PM - 11:55 PM	50.0	48.1
06:35 PM - 06:40 PM	53.8	09:15 PM - 09:20 PM	50.5	11:55 PM - 12:00 AM	49.1	47.6
06:40 PM - 06:45 PM	51.1	09:20 PM - 09:25 PM	48.5	12:00 AM - 12:05 AM	49.3	47.8
06:45 PM - 06:50 PM	51.1	09:25 PM - 09:30 PM	51.0	12:05 AM - 12:10 AM	49.6	47.8
06:50 PM - 06:55 PM	50.7	09:30 PM - 09:35 PM	53.0	12:10 AM - 12:15 AM	49.0	47.1
06:55 PM - 07:00 PM	52.3	09:35 PM - 09:40 PM	53.2	12:15 AM - 12:20 AM	49.3	47.6
07:00 PM - 07:05 PM	52.3	09:40 PM - 09:45 PM	53.1	12:20 AM - 12:25 AM	47.8	46.7
07:05 PM - 07:10 PM	50.7	09:45 PM - 09:50 PM	53.0	12:25 AM - 12:30 AM	47.8	46.5
07:10 PM - 07:15 PM	51.8	09:50 PM - 09:55 PM	52.9	12:30 AM - 12:35 AM	47.8	46.8
07:15 PM - 07:20 PM	51.4	09:55 PM - 10:00 PM	52.5	12:35 AM - 12:40 AM	48.8	47.2
07:20 PM - 07:25 PM	50.8	10:00 PM - 10:05 PM	52.5	12:40 AM - 12:45 AM	49.6	47.2
07:25 PM - 07:30 PM	51.6	10:05 PM - 10:10 PM	53.0	12:45 AM - 12:50 AM	48.0	45.7
07:30 PM - 07:35 PM	50.1	10:10 PM - 10:15 PM	52.6	12:50 AM - 12:55 AM	47.5	46.2
07:35 PM - 07:40 PM	50.2	10:15 PM - 10:20 PM	52.9	12:55 AM - 01:00 AM	48.2	46.4
07:40 PM - 07:45 PM	54.6	10:20 PM - 10:25 PM	52.7	01:00 AM - 01:05 AM	51.9	51.0
07:45 PM - 07:50 PM	52.0	10:25 PM - 10:30 PM	52.5	01:05 AM - 01:10 AM	52.1	51.3
07:50 PM - 07:55 PM	51.7	10:30 PM - 10:35 PM	53.9	01:10 AM - 01:15 AM	51.6	50.9
07:55 PM - 08:00 PM	51.3	10:35 PM - 10:40 PM	52.5	01:15 AM - 01:20 AM	51.8	51.1
08:00 PM - 08:05 PM	53.6	10:40 PM - 10:45 PM	53.4	01:20 AM - 01:25 AM	52.0	51.2
08:05 PM - 08:10 PM	51.9	10:45 PM - 10:50 PM	52.8	01:25 AM - 01:30 AM	51.9	51.0
08:10 PM - 08:15 PM	51.0	10:50 PM - 10:55 PM	52.9	01:30 AM - 01:35 AM	52.4	51.4
08:15 PM - 08:20 PM	51.1	10:55 PM - 11:00 PM	51.8	01:35 AM - 01:40 AM	52.1	51.2
08:20 PM - 08:25 PM	50.1	11:00 PM - 11:05 PM	48.2	01:40 AM - 01:45 AM	52.5	51.6
08:25 PM - 08:30 PM	50.8	11:05 PM - 11:10 PM	49.7	01:45 AM - 01:50 AM	52.3	51.4
08:30 PM - 08:35 PM	52.7	11:10 PM - 11:15 PM	49.9	01:50 AM - 01:55 AM	52.2	51.3
08:35 PM - 08:40 PM	49.9	11:15 PM - 11:20 PM	47.5	01:55 AM - 02:00 AM	52.1	51.3

Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Saranyuth Jitrantorn
Assistant General Manager

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413656-1

Analysis / Test Report

Page 3 of 3

Sample Number : 2291807-4
Parameter : Noise Level (Leq 5 min)
Location : Banrua Tanna (GPS 47P 0735038, 1405843)
Measurement Date : Aug 18 - Aug 19, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122578

Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	L90 dB(A)
02:00 AM - 02:05 AM	52.0	04:40 AM - 04:45 AM	48.5	07:20 AM - 07:25 AM	52.5
02:05 AM - 02:10 AM	52.2	04:45 AM - 04:50 AM	47.7	07:25 AM - 07:30 AM	51.2
02:10 AM - 02:15 AM	52.5	04:50 AM - 04:55 AM	46.9	07:30 AM - 07:35 AM	53.7
02:15 AM - 02:20 AM	52.4	04:55 AM - 05:00 AM	47.7	07:35 AM - 07:40 AM	49.9
02:20 AM - 02:25 AM	52.2	05:00 AM - 05:05 AM	48.8	07:40 AM - 07:45 AM	53.2
02:25 AM - 02:30 AM	52.4	05:05 AM - 05:10 AM	48.5	07:45 AM - 07:50 AM	52.4
02:30 AM - 02:35 AM	52.0	05:10 AM - 05:15 AM	48.8	07:50 AM - 07:55 AM	51.3
02:35 AM - 02:40 AM	52.4	05:15 AM - 05:20 AM	48.9	07:55 AM - 08:00 AM	50.5
02:40 AM - 02:45 AM	52.2	05:20 AM - 05:25 AM	49.2	08:00 AM - 08:05 AM	51.9
02:45 AM - 02:50 AM	52.4	05:25 AM - 05:30 AM	50.0	08:05 AM - 08:10 AM	50.8
02:50 AM - 02:55 AM	52.0	05:30 AM - 05:35 AM	49.8	08:10 AM - 08:15 AM	51.1
02:55 AM - 03:00 AM	49.2	05:35 AM - 05:40 AM	50.0	08:15 AM - 08:20 AM	49.5
03:00 AM - 03:05 AM	48.3	05:40 AM - 05:45 AM	49.8	08:20 AM - 08:25 AM	52.4
03:05 AM - 03:10 AM	48.4	05:45 AM - 05:50 AM	55.9	08:25 AM - 08:30 AM	51.8
03:10 AM - 03:15 AM	48.6	05:50 AM - 05:55 AM	52.1	08:30 AM - 08:35 AM	51.5
03:15 AM - 03:20 AM	48.6	05:55 AM - 06:00 AM	55.4	08:35 AM - 08:40 AM	54.2
03:20 AM - 03:25 AM	48.1	06:00 AM - 06:05 AM	55.3	08:40 AM - 08:45 AM	51.9
03:25 AM - 03:30 AM	48.0	06:05 AM - 06:10 AM	51.6	08:45 AM - 08:50 AM	56.6
03:30 AM - 03:35 AM	47.5	06:10 AM - 06:15 AM	53.1	08:50 AM - 08:55 AM	51.4
03:35 AM - 03:40 AM	49.3	06:15 AM - 06:20 AM	52.9	08:55 AM - 09:00 AM	50.9
03:40 AM - 03:45 AM	53.7	06:20 AM - 06:25 AM	52.6	09:00 AM - 09:05 AM	51.0
03:45 AM - 03:50 AM	47.9	06:25 AM - 06:30 AM	51.4	09:05 AM - 09:10 AM	50.3
03:50 AM - 03:55 AM	47.2	06:30 AM - 06:35 AM	52.7	09:10 AM - 09:15 AM	51.1
03:55 AM - 04:00 AM	47.6	06:35 AM - 06:40 AM	52.6	09:15 AM - 09:20 AM	48.9
04:00 AM - 04:05 AM	47.5	06:40 AM - 06:45 AM	52.1	09:20 AM - 09:25 AM	51.9
04:05 AM - 04:10 AM	47.4	06:45 AM - 06:50 AM	54.2	09:25 AM - 09:30 AM	50.5
04:10 AM - 04:15 AM	48.2	06:50 AM - 06:55 AM	53.5	09:30 AM - 09:35 AM	50.6
04:15 AM - 04:20 AM	47.1	06:55 AM - 07:00 AM	54.1	09:35 AM - 09:40 AM	49.3
04:20 AM - 04:25 AM	47.0	07:00 AM - 07:05 AM	56.2	09:40 AM - 09:45 AM	50.0
04:25 AM - 04:30 AM	48.1	07:05 AM - 07:10 AM	55.2	09:45 AM - 09:50 AM	50.9
04:30 AM - 04:35 AM	47.6	07:10 AM - 07:15 AM	53.0	09:50 AM - 09:55 AM	52.2
04:35 AM - 04:40 AM	47.5	07:15 AM - 07:20 AM	52.3	09:55 AM - 10:00 AM	48.3

Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413657-1

Page 1 of 3

Sample Number : 2291807-5
Parameter : Noise Level (Leq 5 min)
Location : ต.นาเกลือ (GPS: 47P 0735038, 1405843)
Measurement Date : Aug 19 - Aug 20, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122578

Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)
10:00 AM - 10:05 AM	50.3	47.6	12:40 PM - 12:45 PM	51.7	49.8	03:20 PM - 03:25 PM	51.2	49.2	
10:05 AM - 10:10 AM	48.9	47.1	12:45 PM - 12:50 PM	51.4	49.5	03:25 PM - 03:30 PM	52.3	49.7	
10:10 AM - 10:15 AM	52.9	49.1	12:50 PM - 12:55 PM	52.2	49.0	03:30 PM - 03:35 PM	51.5	49.6	
10:15 AM - 10:20 AM	52.9	49.3	12:55 PM - 01:00 PM	55.5	49.4	03:35 PM - 03:40 PM	50.8	48.5	
10:20 AM - 10:25 AM	55.3	50.4	01:00 PM - 01:05 PM	57.3	51.1	03:40 PM - 03:45 PM	49.8	47.7	
10:25 AM - 10:30 AM	55.5	51.4	01:05 PM - 01:10 PM	52.6	49.5	03:45 PM - 03:50 PM	50.8	48.1	
10:30 AM - 10:35 AM	56.7	52.6	01:10 PM - 01:15 PM	53.1	49.6	03:50 PM - 03:55 PM	49.8	47.9	
10:35 AM - 10:40 AM	56.6	52.3	01:15 PM - 01:20 PM	52.3	49.5	03:55 PM - 04:00 PM	50.2	47.9	
10:40 AM - 10:45 AM	55.5	50.3	01:20 PM - 01:25 PM	51.7	48.9	04:00 PM - 04:05 PM	50.5	47.7	
10:45 AM - 10:50 AM	53.1	50.4	01:25 PM - 01:30 PM	52.6	48.6	04:05 PM - 04:10 PM	50.8	48.0	
10:50 AM - 10:55 AM	54.5	51.2	01:30 PM - 01:35 PM	52.4	49.6	04:10 PM - 04:15 PM	51.0	48.5	
10:55 AM - 11:00 AM	53.4	50.8	01:35 PM - 01:40 PM	52.5	49.0	04:15 PM - 04:20 PM	50.5	47.6	
11:00 AM - 11:05 AM	52.6	50.3	01:40 PM - 01:45 PM	51.7	49.6	04:20 PM - 04:25 PM	52.1	50.1	
11:05 AM - 11:10 AM	52.9	49.9	01:45 PM - 01:50 PM	52.4	50.6	04:25 PM - 04:30 PM	52.4	50.4	
11:10 AM - 11:15 AM	53.7	50.3	01:50 PM - 01:55 PM	52.8	49.7	04:30 PM - 04:35 PM	51.6	49.9	
11:15 AM - 11:20 AM	52.5	50.4	01:55 PM - 02:00 PM	54.4	52.1	04:35 PM - 04:40 PM	52.5	49.5	
11:20 AM - 11:25 AM	51.1	47.6	02:00 PM - 02:05 PM	53.7	51.1	04:40 PM - 04:45 PM	51.6	48.9	
11:25 AM - 11:30 AM	54.1	48.6	02:05 PM - 02:10 PM	53.8	51.2	04:45 PM - 04:50 PM	52.7	49.5	
11:30 AM - 11:35 AM	52.1	47.8	02:10 PM - 02:15 PM	53.3	50.7	04:50 PM - 04:55 PM	53.3	49.6	
11:35 AM - 11:40 AM	50.4	48.3	02:15 PM - 02:20 PM	52.7	50.3	04:55 PM - 05:00 PM	51.8	49.3	
11:40 AM - 11:45 AM	50.0	48.2	02:20 PM - 02:25 PM	53.0	50.4	05:00 PM - 05:05 PM	51.3	48.4	
11:45 AM - 11:50 AM	51.0	48.5	02:25 PM - 02:30 PM	52.7	50.2	05:05 PM - 05:10 PM	52.0	50.0	
11:50 AM - 11:55 AM	51.6	48.9	02:30 PM - 02:35 PM	51.9	49.2	05:10 PM - 05:15 PM	51.2	49.3	
12:00 PM - 12:05 PM	52.1	49.6	02:35 PM - 02:40 PM	51.6	48.7	05:15 PM - 05:20 PM	51.1	48.8	
12:05 PM - 12:10 PM	51.7	50.1	02:40 PM - 02:45 PM	53.2	49.1	05:20 PM - 05:25 PM	52.0	49.0	
12:10 PM - 12:15 PM	52.6	50.3	02:45 PM - 02:50 PM	53.2	49.8	05:25 PM - 05:30 PM	52.9	48.9	
12:15 PM - 12:20 PM	55.4	50.0	02:50 PM - 02:55 PM	52.5	49.8	05:30 PM - 05:35 PM	51.6	48.9	
12:20 PM - 12:25 PM	52.3	49.8	02:55 PM - 03:00 PM	52.6	49.3	05:35 PM - 05:40 PM	51.8	48.8	
12:25 PM - 12:30 PM	53.8	48.8	03:00 PM - 03:05 PM	52.2	48.6	05:40 PM - 05:45 PM	51.5	48.0	
12:30 PM - 12:35 PM	51.8	49.0	03:05 PM - 03:10 PM	50.3	48.8	05:45 PM - 05:50 PM	53.6	48.8	
12:35 PM - 12:40 PM	51.2	48.6	03:10 PM - 03:15 PM	50.5	48.8	05:50 PM - 05:55 PM	52.3	49.5	
			03:15 PM - 03:20 PM	50.9	48.4	05:55 PM - 06:00 PM	54.8	50.2	

Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Saranyuth Jitrantorn
Assistant General Manager

Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Saranyuth Jitrantorn
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413657-1

Page 2 of 3

Sample Number : 2291807-5
Parameter : Noise Level (Leq 5 min)
Location : ต.นาเกลือ (GPS: 47P 0735038, 1405843)
Measurement Date : Aug 19 - Aug 20, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122578

Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)
06:00 PM - 06:05 PM	53.6	49.7	08:40 PM - 08:45 PM	50.6	48.6	11:20 PM - 11:25 PM	49.3	46.7	
06:05 PM - 06:10 PM	53.7	50.2	08:45 PM - 08:50 PM	52.8	48.5	11:25 PM - 11:30 PM	48.2	46.8	
06:10 PM - 06:15 PM	51.4	48.8	08:50 PM - 08:55 PM	51.4	48.5	11:30 PM - 11:35 PM	48.3	46.4	
06:15 PM - 06:20 PM	51.6	48.8	08:55 PM - 09:00 PM	52.9	51.3	11:35 PM - 11:40 PM	47.6	46.0	
06:20 PM - 06:25 PM	51.3	49.4	09:00 PM - 09:05 PM	53.8	52.6	11:40 PM - 11:45 PM	48.1	46.4	
06:25 PM - 06:30 PM	52.1	49.5	09:05 PM - 09:10 PM	53.8	52.2	11:45 PM - 11:50 PM	57.4	46.1	
06:30 PM - 06:35 PM	49.4	47.6	09:10 PM - 09:15 PM	53.9	52.1	11:50 PM - 11:55 PM	47.8	46.3	
06:35 PM - 06:40 PM	51.2	48.8	09:15 PM - 09:20 PM	53.8	51.4	11:55 PM - 12:00 AM	48.3	46.5	
06:40 PM - 06:45 PM	51.9	49.4	09:20 PM - 09:25 PM	53.6	49.8	12:00 AM - 12:05 AM	51.8	49.7	
06:45 PM - 06:50 PM	51.3	49.4	09:25 PM - 09:30 PM	53.9	50.9	12:05 AM - 12:10 AM	51.5	50.0	
06:50 PM - 06:55 PM	51.3	48.6	09:30 PM - 09:35 PM	54.7	52.0	12:10 AM - 12:15 AM	52.3	50.1	
06:55 PM - 07:00 PM	51.8	49.8	09:35 PM - 09:40 PM	52.1	49.8	12:15 AM - 12:20 AM	51.7	50.3	
07:00 PM - 07:05 PM	51.7	48.2	09:40 PM - 09:45 PM	53.5	51.0	12:20 AM - 12:25 AM	52.7	50.4	
07:05 PM - 07:10 PM	50.9	48.6	09:45 PM - 09:50 PM	55.7	52.4	12:25 AM - 12:30 AM	52.0	50.5	
07:10 PM - 07:15 PM	52.2	48.9	09:50 PM - 09:55 PM	56.3	52.2	12:30 AM - 12:35 AM	52.5	51.0	
07:15 PM - 07:20 PM	55.9	53.2	09:55 PM - 10:00 PM	56.3	51.9	12:35 AM - 12:40 AM	60.5	51.3	
07:20 PM - 07:25 PM	59.4	53.8	10:00 PM - 10:05 PM	58.7	53.4	12:40 AM - 12:45 AM	57.8	51.1	
07:25 PM - 07:30 PM	59.4	53.5	10:05 PM - 10:10 PM	59.7	53.5	12:45 AM - 12:50 AM	56.3	51.2	
07:30 PM - 07:35 PM	54.8	52.5	10:10 PM - 10:15 PM	59.3	53.5	12:50 AM - 12:55 AM	58.2	51.0	
07:35 PM - 07:40 PM	56.4	52.1	10:15 PM - 10:20 PM	63.9	53.9	12:55 AM - 01:00 AM	54.6	50.9	
07:40 PM - 07:45 PM	54.7	51.7	10:20 PM - 10:25 PM	61.6	53.1	01:00 AM - 01:05 AM	54.6	50.9	
07:45 PM - 07:50 PM	58.2	51.5	10:25 PM - 10:30 PM	50.9	50.2	01:05 AM - 01:10 AM	54.9	50.6	
07:50 PM - 07:55 PM	56.3	48.2	10:30 PM - 10:35 PM	51.0	50.4	01:10 AM - 01:15 AM	51.1	50.3	
07:55 PM - 08:00 PM	57.2	47.7	10:35 PM - 10:40 PM	50.6	50.0	01:15 AM - 01:20 AM	47.9	46.2	
08:00 PM - 08:05 PM	53.8	48.2	10:40 PM - 10:45 PM	57.7	50.2	01:20 AM - 01:25 AM	49.4	47.3	
08:05 PM - 08:10 PM	51.1	47.5	10:45 PM - 10:50 PM	50.7	50.1	01:25 AM - 01:30 AM	49.6	47.2	
08:10 PM - 08:15 PM	51.7	47.7	10:50 PM - 10:55 PM	50.6	50.0	01:30 AM - 01:35 AM	48.7	47.2	
08:15 PM - 08:20 PM	50.7	48.4	10:55 PM - 11:00 PM	51.0	50.0	01:35 AM - 01:40 AM	50.1	47.7	
08:20 PM - 08:25 PM	51.8	48.6	11:00 PM - 11:05 PM	51.4	50.6	01:40 AM - 01:45 AM	50.1	47.3	
08:25 PM - 08:30 PM	51.6	49.4	11:05 PM - 11:10 PM	51.0	50.4	01:45 AM - 01:50 AM	49.7	47.8	
08:30 PM - 08:35 PM	52.0	50.4	11:10 PM - 11:15 PM	50.8	50.2	01:50 AM - 01:55 AM	50.1	48.0	
08:35 PM - 08:40 PM	51.7	48.8	11:15 PM - 11:20 PM	51.2	48.5	01:55 AM - 02:00 AM	51.6	48.5	

Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Saranyuth Jitrantorn
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413657-1

Page 3 of 3

Sample Number : 2291807-5
Parameter : Noise Level (Leq 5 min)
Location : ขบวนการโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 19 - Aug 20, 2022
Measurement by : Sawai Tonpho
Sound Level meter : Serial No. 01122578

Aug 20, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 20, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	50.7	48.4	04:40 AM - 04:45 AM	50.8	47.8
02:05 AM - 02:10 AM	50.8	47.3	04:45 AM - 04:50 AM	50.4	47.8
02:10 AM - 02:15 AM	49.8	47.6	04:50 AM - 04:55 AM	52.0	49.4
02:15 AM - 02:20 AM	50.5	48.8	04:55 AM - 05:00 AM	52.0	49.2
02:20 AM - 02:25 AM	52.4	48.4	05:00 AM - 05:05 AM	50.4	48.9
02:25 AM - 02:30 AM	49.6	47.2	05:05 AM - 05:10 AM	51.5	49.0
02:30 AM - 02:35 AM	50.8	48.0	05:10 AM - 05:15 AM	51.1	48.3
02:35 AM - 02:40 AM	49.6	47.5	05:15 AM - 05:20 AM	50.5	47.8
02:40 AM - 02:45 AM	49.0	45.6	05:20 AM - 05:25 AM	55.6	50.1
02:45 AM - 02:50 AM	53.4	45.6	05:25 AM - 05:30 AM	52.2	50.5
02:50 AM - 02:55 AM	47.6	45.4	05:30 AM - 05:35 AM	51.8	49.8
02:55 AM - 03:00 AM	46.9	45.9	05:35 AM - 05:40 AM	52.5	49.7
03:00 AM - 03:05 AM	47.3	46.2	05:40 AM - 05:45 AM	52.9	49.4
03:05 AM - 03:10 AM	47.2	46.3	05:45 AM - 05:50 AM	52.8	50.8
03:10 AM - 03:15 AM	47.1	46.2	05:50 AM - 05:55 AM	51.0	48.7
03:15 AM - 03:20 AM	47.9	46.2	05:55 AM - 06:00 AM	51.6	48.8
03:20 AM - 03:25 AM	47.4	45.9	06:00 AM - 06:05 AM	52.2	49.7
03:25 AM - 03:30 AM	48.5	47.1	06:05 AM - 06:10 AM	51.6	49.5
03:30 AM - 03:35 AM	48.2	47.1	06:10 AM - 06:15 AM	51.2	49.1
03:35 AM - 03:40 AM	48.5	47.4	06:15 AM - 06:20 AM	51.6	49.4
03:40 AM - 03:45 AM	48.6	47.2	06:20 AM - 06:25 AM	51.3	50.3
03:45 AM - 03:50 AM	48.9	47.4	06:25 AM - 06:30 AM	51.2	49.8
03:50 AM - 03:55 AM	49.7	47.1	06:30 AM - 06:35 AM	51.4	50.6
03:55 AM - 04:00 AM	49.5	47.9	06:35 AM - 06:40 AM	51.7	50.9
04:00 AM - 04:05 AM	48.9	46.9	06:40 AM - 06:45 AM	50.1	50.1
04:05 AM - 04:10 AM	48.0	46.6	06:45 AM - 06:50 AM	50.7	49.8
04:10 AM - 04:15 AM	48.1	46.4	06:50 AM - 06:55 AM	50.4	49.5
04:15 AM - 04:20 AM	48.3	46.2	06:55 AM - 07:00 AM	50.3	49.4
04:20 AM - 04:25 AM	48.2	46.6	07:00 AM - 07:05 AM	52.3	50.4
04:25 AM - 04:30 AM	47.8	46.8	07:05 AM - 07:10 AM	51.4	48.5
04:30 AM - 04:35 AM	47.7	46.2	07:10 AM - 07:15 AM	51.2	48.8
04:35 AM - 04:40 AM	47.2	45.8	07:15 AM - 07:20 AM	51.6	48.6

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Approved by

Sarayuth Jitrantorn
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413658-1

Page 1 of 3

Sample Number : 2291807-6
Parameter : Noise Level (Leq 5 min)
Location : ขบวนการโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 20 - Aug 21, 2022
Measurement by : Sawai Tonpho
Sound Level meter : Serial No. 01122578

Aug 20, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 20, 2022 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	49.7	48.2	12:40 PM - 12:45 PM	54.7	50.4
10:05 AM - 10:10 AM	49.7	48.1	12:45 PM - 12:50 PM	54.3	50.9
10:10 AM - 10:15 AM	49.5	48.1	12:50 PM - 12:55 PM	53.8	50.7
10:15 AM - 10:20 AM	50.9	48.3	12:55 PM - 01:00 PM	52.3	49.4
10:20 AM - 10:25 AM	51.4	50.2	01:00 PM - 01:05 PM	52.3	49.6
10:25 AM - 10:30 AM	53.3	50.5	01:05 PM - 01:10 PM	53.0	50.1
10:30 AM - 10:35 AM	52.3	50.8	01:10 PM - 01:15 PM	54.2	50.3
10:35 AM - 10:40 AM	53.1	50.9	01:15 PM - 01:20 PM	53.8	48.3
10:40 AM - 10:45 AM	52.3	50.8	01:20 PM - 01:25 PM	52.9	49.7
10:45 AM - 10:50 AM	51.7	50.2	01:25 PM - 01:30 PM	53.7	49.6
10:50 AM - 10:55 AM	51.6	50.0	01:30 PM - 01:35 PM	53.7	49.0
10:55 AM - 11:00 AM	51.9	49.9	01:35 PM - 01:40 PM	52.3	49.1
11:00 AM - 11:05 AM	54.0	50.4	01:40 PM - 01:45 PM	54.1	50.6
11:05 AM - 11:10 AM	53.4	49.9	01:45 PM - 01:50 PM	55.9	51.2
11:10 AM - 11:15 AM	59.6	51.8	01:50 PM - 01:55 PM	53.7	49.6
11:15 AM - 11:20 AM	55.7	51.4	01:55 PM - 02:00 PM	51.4	49.1
11:20 AM - 11:25 AM	55.9	51.0	02:00 PM - 02:05 PM	52.1	48.7
11:25 AM - 11:30 AM	53.2	49.6	02:05 PM - 02:10 PM	51.2	48.0
11:30 AM - 11:35 AM	51.8	48.6	02:10 PM - 02:15 PM	51.3	48.7
11:35 AM - 11:40 AM	51.4	49.0	02:15 PM - 02:20 PM	50.6	48.5
11:40 AM - 11:45 AM	50.7	48.7	02:20 PM - 02:25 PM	51.0	49.0
11:45 AM - 11:50 AM	50.6	48.9	02:25 PM - 02:30 PM	50.9	49.0
11:50 AM - 11:55 AM	65.0	50.2	02:30 PM - 02:35 PM	52.2	49.3
11:55 AM - 12:00 PM	52.7	49.2	02:35 PM - 02:40 PM	51.6	47.3
12:00 PM - 12:05 PM	52.0	48.2	02:40 PM - 02:45 PM	52.2	48.4
12:05 PM - 12:10 PM	51.3	47.9	02:45 PM - 02:50 PM	50.9	47.7
12:10 PM - 12:15 PM	52.0	48.7	02:50 PM - 02:55 PM	52.3	47.8
12:15 PM - 12:20 PM	52.0	48.4	02:55 PM - 03:00 PM	53.6	48.1
12:20 PM - 12:25 PM	57.8	51.5	03:00 PM - 03:05 PM	49.9	48.0
12:25 PM - 12:30 PM	56.2	50.3	03:05 PM - 03:10 PM	50.4	48.0
12:30 PM - 12:35 PM	55.4	50.9	03:10 PM - 03:15 PM	54.3	47.8
12:35 PM - 12:40 PM	54.4	50.8	03:15 PM - 03:20 PM	54.5	50.7

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Approved by

Sarayuth Jitrantorn
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413658-1

Analysis / Test Report

Page 2 of 3

Sample Number : Z291807-6
Parameter : Noise Level (Leq 5 min)
Location : Banrua Tannu (GPS 47P 0735038, 1405843)
Measurement Date : Aug 20 - Aug 21, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122578

Aug 20, 2022 Time	Leq dB(A)	Aug 20, 2022 Time	Leq dB(A)	Aug 21, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	50.7	08:40 PM - 08:45 PM	47.5	11:20 PM - 11:25 PM	52.8	48.5
06:05 PM - 06:10 PM	51.3	08:45 PM - 08:50 PM	47.5	11:25 PM - 11:30 PM	52.4	48.3
06:10 PM - 06:15 PM	50.6	08:50 PM - 08:55 PM	47.5	11:30 PM - 11:35 PM	53.4	49.1
06:15 PM - 06:20 PM	51.0	08:55 PM - 09:00 PM	50.7	11:35 PM - 11:40 PM	53.9	50.0
06:20 PM - 06:25 PM	53.5	09:00 PM - 09:05 PM	52.6	11:40 PM - 11:45 PM	53.4	49.4
06:25 PM - 06:30 PM	50.8	09:05 PM - 09:10 PM	51.1	11:45 PM - 11:50 PM	56.0	50.4
06:30 PM - 06:35 PM	54.0	09:10 PM - 09:15 PM	49.3	11:50 PM - 11:55 PM	51.1	50.2
06:35 PM - 06:40 PM	50.9	09:15 PM - 09:20 PM	48.9	11:55 PM - 12:00 AM	57.0	50.8
06:40 PM - 06:45 PM	53.7	09:20 PM - 09:25 PM	50.2	12:00 AM - 12:05 AM	50.6	50.0
06:45 PM - 06:50 PM	56.0	09:25 PM - 09:30 PM	48.2	12:05 AM - 12:10 AM	50.5	49.8
06:50 PM - 06:55 PM	51.7	09:30 PM - 09:35 PM	50.7	12:10 AM - 12:15 AM	50.7	49.9
06:55 PM - 07:00 PM	56.9	09:35 PM - 09:40 PM	52.7	12:15 AM - 12:20 AM	50.1	49.6
07:00 PM - 07:05 PM	56.1	09:40 PM - 09:45 PM	52.9	12:20 AM - 12:25 AM	50.3	49.8
07:05 PM - 07:10 PM	50.3	09:45 PM - 09:50 PM	52.8	12:25 AM - 12:30 AM	49.4	46.5
07:10 PM - 07:15 PM	50.0	09:50 PM - 09:55 PM	54.0	12:30 AM - 12:35 AM	48.3	46.2
07:15 PM - 07:20 PM	49.8	09:55 PM - 10:00 PM	49.2	12:35 AM - 12:40 AM	46.8	45.6
07:20 PM - 07:25 PM	51.3	10:00 PM - 10:05 PM	53.6	12:40 AM - 12:45 AM	53.6	52.3
07:25 PM - 07:30 PM	49.8	10:05 PM - 10:10 PM	54.2	12:45 AM - 12:50 AM	54.4	52.5
07:30 PM - 07:35 PM	49.9	10:10 PM - 10:15 PM	54.1	12:50 AM - 12:55 AM	55.4	51.6
07:35 PM - 07:40 PM	54.3	10:15 PM - 10:20 PM	53.0	12:55 AM - 01:00 AM	56.7	52.4
07:40 PM - 07:45 PM	51.7	10:20 PM - 10:25 PM	52.8	01:00 AM - 01:05 AM	56.5	52.0
07:45 PM - 07:50 PM	51.4	10:25 PM - 10:30 PM	51.4	01:05 AM - 01:10 AM	55.6	51.7
07:50 PM - 07:55 PM	51.0	10:30 PM - 10:35 PM	50.2	01:10 AM - 01:15 AM	55.3	51.7
07:55 PM - 08:00 PM	53.3	10:35 PM - 10:40 PM	51.7	01:15 AM - 01:20 AM	56.7	51.6
08:00 PM - 08:05 PM	50.7	10:40 PM - 10:45 PM	52.5	01:20 AM - 01:25 AM	55.7	51.8
08:05 PM - 08:10 PM	50.4	10:45 PM - 10:50 PM	51.5	01:25 AM - 01:30 AM	56.0	52.0
08:10 PM - 08:15 PM	49.7	10:50 PM - 10:55 PM	50.3	01:30 AM - 01:35 AM	52.8	50.6
08:15 PM - 08:20 PM	48.8	10:55 PM - 11:00 PM	50.7	01:35 AM - 01:40 AM	50.8	49.0
08:20 PM - 08:25 PM	49.0	11:00 PM - 11:05 PM	50.4	01:40 AM - 01:45 AM	51.1	49.2
08:25 PM - 08:30 PM	49.3	11:05 PM - 11:10 PM	51.9	01:45 AM - 01:50 AM	52.2	50.1
08:30 PM - 08:35 PM	48.7	11:10 PM - 11:15 PM	50.4	01:50 AM - 01:55 AM	52.9	50.6
08:35 PM - 08:40 PM	49.0	11:15 PM - 11:20 PM	51.8	01:55 AM - 02:00 AM	51.4	49.2

Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Page 3 of 3

Sample Number : Z291807-6
Parameter : Noise Level (Leq 5 min)
Location : Banrua Tannu (GPS 47P 0735038, 1405843)
Measurement Date : Aug 20 - Aug 21, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122578

Aug 21, 2022 Time	Leq dB(A)	Aug 21, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	51.2	04:40 AM - 04:45 AM	52.7	49.7
02:05 AM - 02:10 AM	52.9	04:45 AM - 04:50 AM	50.3	49.3
02:10 AM - 02:15 AM	51.4	04:50 AM - 04:55 AM	49.9	48.7
02:15 AM - 02:20 AM	52.2	04:55 AM - 05:00 AM	49.8	48.7
02:20 AM - 02:25 AM	50.7	05:00 AM - 05:05 AM	49.6	48.4
02:25 AM - 02:30 AM	50.9	05:05 AM - 05:10 AM	49.1	48.3
02:30 AM - 02:35 AM	52.1	05:10 AM - 05:15 AM	49.0	48.4
02:35 AM - 02:40 AM	51.7	05:15 AM - 05:20 AM	50.0	48.7
02:40 AM - 02:45 AM	51.4	05:20 AM - 05:25 AM	49.4	48.3
02:45 AM - 02:50 AM	51.9	05:25 AM - 05:30 AM	49.6	48.9
02:50 AM - 02:55 AM	51.8	05:30 AM - 05:35 AM	49.3	48.0
02:55 AM - 03:00 AM	52.9	05:35 AM - 05:40 AM	49.5	48.3
03:00 AM - 03:05 AM	52.6	05:40 AM - 05:45 AM	50.7	48.8
03:05 AM - 03:10 AM	54.6	05:45 AM - 05:50 AM	50.7	49.4
03:10 AM - 03:15 AM	55.7	05:50 AM - 05:55 AM	52.5	51.5
03:15 AM - 03:20 AM	52.6	05:55 AM - 06:00 AM	52.2	51.0
03:20 AM - 03:25 AM	55.0	06:00 AM - 06:05 AM	54.0	52.3
03:25 AM - 03:30 AM	51.8	06:05 AM - 06:10 AM	54.0	53.0
03:30 AM - 03:35 AM	52.1	06:10 AM - 06:15 AM	54.6	53.8
03:35 AM - 03:40 AM	51.2	06:15 AM - 06:20 AM	54.4	54.1
03:40 AM - 03:45 AM	50.2	06:20 AM - 06:25 AM	54.4	52.2
03:45 AM - 03:50 AM	50.0	06:25 AM - 06:30 AM	50.7	50.1
03:50 AM - 03:55 AM	49.8	06:30 AM - 06:35 AM	51.6	50.3
03:55 AM - 04:00 AM	49.7	06:35 AM - 06:40 AM	51.7	50.9
04:00 AM - 04:05 AM	49.9	06:40 AM - 06:45 AM	52.6	51.8
04:05 AM - 04:10 AM	49.2	06:45 AM - 06:50 AM	52.6	51.8
04:10 AM - 04:15 AM	49.1	06:50 AM - 06:55 AM	51.9	51.1
04:15 AM - 04:20 AM	48.6	06:55 AM - 07:00 AM	51.4	50.5
04:20 AM - 04:25 AM	53.4	07:00 AM - 07:05 AM	51.5	50.6
04:25 AM - 04:30 AM	53.4	07:05 AM - 07:10 AM	52.6	51.8
04:30 AM - 04:35 AM	53.0	07:10 AM - 07:15 AM	53.3	52.5
04:35 AM - 04:40 AM	52.4	07:15 AM - 07:20 AM	53.5	52.4

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Saranyuth 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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Page 1 of 3

Sample Number : 2291807-7
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่ (GPS: 47P 0735038, 1405843)
Measurement Date : Aug 21 - Aug 22, 2022
Measurement by : Sawat Tongtho
Sound Level meter : Serial No. 01122578

Aug 21, 2022	Leq dB(A)	L90 dB(A)	Aug 21, 2022	Time	Aug 21, 2022	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	51.5	49.7	12:40 PM - 12:45 PM		12:40 PM - 12:45 PM	52.0	49.1
10:05 AM - 10:10 AM	51.8	49.5	12:45 PM - 12:50 PM		12:45 PM - 12:50 PM	57.4	50.1
10:10 AM - 10:15 AM	51.1	48.8	12:50 PM - 12:55 PM		12:50 PM - 12:55 PM	51.8	48.9
10:15 AM - 10:20 AM	51.3	48.9	12:55 PM - 01:00 PM		12:55 PM - 01:00 PM	54.1	51.6
10:20 AM - 10:25 AM	62.9	62.0	01:00 PM - 01:05 PM		01:00 PM - 01:05 PM	54.2	50.9
10:25 AM - 10:30 AM	64.0	63.3	01:05 PM - 01:10 PM		01:05 PM - 01:10 PM	54.2	49.9
10:30 AM - 10:35 AM	64.1	63.3	01:10 PM - 01:15 PM		01:10 PM - 01:15 PM	55.2	51.4
10:35 AM - 10:40 AM	63.9	63.5	01:15 PM - 01:20 PM		01:15 PM - 01:20 PM	52.5	50.2
10:40 AM - 10:45 AM	63.0	62.2	01:20 PM - 01:25 PM		01:20 PM - 01:25 PM	53.0	49.6
10:45 AM - 10:50 AM	61.9	61.5	01:25 PM - 01:30 PM		01:25 PM - 01:30 PM	54.9	52.8
10:50 AM - 10:55 AM	61.6	61.2	01:30 PM - 01:35 PM		01:30 PM - 01:35 PM	54.1	49.6
10:55 AM - 11:00 AM	60.0	58.4	01:35 PM - 01:40 PM		01:35 PM - 01:40 PM	51.8	48.9
11:00 AM - 11:05 AM	57.3	56.7	01:40 PM - 01:45 PM		01:40 PM - 01:45 PM	52.2	49.6
11:05 AM - 11:10 AM	56.9	56.1	01:45 PM - 01:50 PM		01:45 PM - 01:50 PM	53.6	50.4
11:10 AM - 11:15 AM	56.8	56.1	01:50 PM - 01:55 PM		01:50 PM - 01:55 PM	51.3	49.2
11:15 AM - 11:20 AM	50.8	50.1	01:55 PM - 02:00 PM		01:55 PM - 02:00 PM	52.1	49.1
11:20 AM - 11:25 AM	51.9	51.0	02:00 PM - 02:05 PM		02:00 PM - 02:05 PM	51.1	49.0
11:25 AM - 11:30 AM	51.0	50.4	02:05 PM - 02:10 PM		02:05 PM - 02:10 PM	51.2	48.3
11:30 AM - 11:35 AM	50.9	50.2	02:10 PM - 02:15 PM		02:10 PM - 02:15 PM	52.0	48.1
11:35 AM - 11:40 AM	51.5	50.9	02:15 PM - 02:20 PM		02:15 PM - 02:20 PM	51.1	49.6
11:40 AM - 11:45 AM	50.9	49.8	02:20 PM - 02:25 PM		02:20 PM - 02:25 PM	51.3	49.1
11:45 AM - 11:50 AM	50.2	49.5	02:25 PM - 02:30 PM		02:25 PM - 02:30 PM	51.6	48.7
11:50 AM - 11:55 AM	50.6	49.6	02:30 PM - 02:35 PM		02:30 PM - 02:35 PM	51.0	48.9
12:00 PM - 12:05 PM	50.1	49.2	02:35 PM - 02:40 PM		02:35 PM - 02:40 PM	53.4	50.3
12:05 PM - 12:10 PM	49.8	48.8	02:40 PM - 02:45 PM		02:40 PM - 02:45 PM	53.5	50.7
12:10 PM - 12:15 PM	49.1	49.3	02:45 PM - 02:50 PM		02:45 PM - 02:50 PM	52.1	49.6
12:15 PM - 12:20 PM	49.7	48.7	02:50 PM - 02:55 PM		02:50 PM - 02:55 PM	52.6	49.5
12:20 PM - 12:25 PM	53.6	49.9	02:55 PM - 03:00 PM		02:55 PM - 03:00 PM	55.0	52.3
12:25 PM - 12:30 PM	54.5	51.1	03:00 PM - 03:05 PM		03:00 PM - 03:05 PM	54.3	51.5
12:30 PM - 12:35 PM	54.0	51.4	03:05 PM - 03:10 PM		03:05 PM - 03:10 PM	54.5	51.8
12:35 PM - 12:40 PM	52.9	50.4	03:10 PM - 03:15 PM		03:10 PM - 03:15 PM	52.0	49.9
			03:15 PM - 03:20 PM		03:15 PM - 03:20 PM	54.7	51.1

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Saranyuth 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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Page 2 of 3

Sample Number : 2291807-7
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่ (GPS: 47P 0735038, 1405843)
Measurement Date : Aug 21 - Aug 22, 2022
Measurement by : Sawat Tongtho
Sound Level meter : Serial No. 01122578

Aug 21, 2022	Leq dB(A)	L90 dB(A)	Aug 21, 2022	Time	Aug 21, 2022	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	51.2	49.6	08:40 PM - 08:45 PM		08:40 PM - 08:45 PM	52.5	50.3
06:05 PM - 06:10 PM	52.1	49.2	08:45 PM - 08:50 PM		08:45 PM - 08:50 PM	53.2	50.2
06:10 PM - 06:15 PM	52.6	49.5	08:50 PM - 08:55 PM		08:50 PM - 08:55 PM	52.3	49.5
06:15 PM - 06:20 PM	52.3	48.7	08:55 PM - 09:00 PM		08:55 PM - 09:00 PM	52.4	49.2
06:20 PM - 06:25 PM	50.9	49.1	09:00 PM - 09:05 PM		09:00 PM - 09:05 PM	51.6	48.8
06:25 PM - 06:30 PM	50.7	49.1	09:05 PM - 09:10 PM		09:05 PM - 09:10 PM	55.2	49.7
06:30 PM - 06:35 PM	51.0	49.1	09:10 PM - 09:15 PM		09:10 PM - 09:15 PM	52.4	50.3
06:35 PM - 06:40 PM	51.5	48.3	09:15 PM - 09:20 PM		09:15 PM - 09:20 PM	51.4	48.8
06:40 PM - 06:45 PM	51.1	48.4	09:20 PM - 09:25 PM		09:20 PM - 09:25 PM	49.9	47.9
06:45 PM - 06:50 PM	50.3	47.6	09:25 PM - 09:30 PM		09:25 PM - 09:30 PM	59.2	50.0
06:50 PM - 06:55 PM	51.1	48.4	09:30 PM - 09:35 PM		09:30 PM - 09:35 PM	58.0	50.3
06:55 PM - 07:00 PM	52.3	47.5	09:35 PM - 09:40 PM		09:35 PM - 09:40 PM	55.6	50.6
07:00 PM - 07:05 PM	49.8	47.1	09:40 PM - 09:45 PM		09:40 PM - 09:45 PM	52.2	50.9
07:05 PM - 07:10 PM	52.3	49.0	09:45 PM - 09:50 PM		09:45 PM - 09:50 PM	52.1	50.9
07:10 PM - 07:15 PM	49.8	47.1	09:50 PM - 09:55 PM		09:50 PM - 09:55 PM	52.5	51.0
07:15 PM - 07:20 PM	51.2	49.3	09:55 PM - 10:00 PM		09:55 PM - 10:00 PM	52.7	51.2
07:20 PM - 07:25 PM	52.1	49.9	10:00 PM - 10:05 PM		10:00 PM - 10:05 PM	52.5	50.9
07:25 PM - 07:30 PM	51.9	50.0	10:05 PM - 10:10 PM		10:05 PM - 10:10 PM	54.8	51.3
07:30 PM - 07:35 PM	51.8	50.4	10:10 PM - 10:15 PM		10:10 PM - 10:15 PM	54.8	50.7
07:35 PM - 07:40 PM	51.6	50.2	10:15 PM - 10:20 PM		10:15 PM - 10:20 PM	56.3	51.4
07:40 PM - 07:45 PM	52.5	50.9	10:20 PM - 10:25 PM		10:20 PM - 10:25 PM	53.4	51.7
07:45 PM - 07:50 PM	53.2	51.0	10:25 PM - 10:30 PM		10:25 PM - 10:30 PM	53.7	51.6
07:50 PM - 07:55 PM	52.0	50.4	10:30 PM - 10:35 PM		10:30 PM - 10:35 PM	53.5	50.9
07:55 PM - 08:00 PM	62.0	61.5	10:35 PM - 10:40 PM		10:35 PM - 10:40 PM	53.5	51.2
08:00 PM - 08:05 PM	61.1	58.8	10:40 PM - 10:45 PM		10:40 PM - 10:45 PM	52.9	51.3
08:05 PM - 08:10 PM	58.0	57.5	10:45 PM - 10:50 PM		10:45 PM - 10:50 PM	54.8	52.2
08:10 PM - 08:15 PM	58.3	57.1	10:50 PM - 10:55 PM		10:50 PM - 10:55 PM	54.5	52.2
08:15 PM - 08:20 PM	63.4	60.7	10:55 PM - 11:00 PM		10:55 PM - 11:00 PM	54.9	51.9
08:20 PM - 08:25 PM	63.1	62.6	11:00 PM - 11:05 PM		11:00 PM - 11:05 PM	52.6	50.8
08:25 PM - 08:30 PM	61.9	60.5	11:05 PM - 11:10 PM		11:05 PM - 11:10 PM	53.4	50.5
08:30 PM - 08:35 PM	59.0	58.3	11:10 PM - 11:15 PM		11:10 PM - 11:15 PM	54.5	50.7
08:35 PM - 08:40 PM	57.7	57.0	11:15 PM - 11:20 PM		11:15 PM - 11:20 PM	52.8	51.4

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Saranyuth 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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413659-1

Page 3 of 3

Sample Number : 2291807-7
Parameter : Noise Level (Leq 5 min)
Location : ข้างทางเข้า-ออก (GPS 47P 0735038, 1405843)
Measurement Date : Aug 21 - Aug 22, 2022
Measurement by : Sawal Torpho
Sound Level meter : Serial No. 01122578

Aug 22, 2022 Time	Leq dB(A)	Aug 22, 2022 Time	Leq dB(A)	Aug 22, 2022 Time	Leq dB(A)	Aug 22, 2022 Time	Leq dB(A)	Aug 22, 2022 Time	Leq dB(A)	Aug 22, 2022 Time	Leq dB(A)	Aug 22, 2022 Time	Leq dB(A)
02:00 AM - 02:05 AM	50.8	04:40 AM - 04:45 AM	49.7	07:20 AM - 07:25 AM	53.7	10:00 AM - 10:05 AM	51.4	12:40 PM - 12:45 PM	46.4	03:20 PM - 03:25 PM	60.2	06:00 PM - 06:05 PM	51.3
02:05 AM - 02:10 AM	50.7	04:45 AM - 04:50 AM	50.6	07:25 AM - 07:30 AM	50.9	10:05 AM - 10:10 AM	52.9	12:45 PM - 12:50 PM	46.3	03:25 PM - 03:30 PM	58.7	06:05 PM - 06:10 PM	49.7
02:10 AM - 02:15 AM	51.4	04:50 AM - 04:55 AM	51.9	07:30 AM - 07:35 AM	49.7	10:10 AM - 10:15 AM	51.7	12:55 PM - 12:59 PM	47.2	03:30 PM - 03:35 PM	59.0	06:10 PM - 06:15 PM	51.4
02:15 AM - 02:20 AM	50.6	04:55 AM - 05:00 AM	50.6	07:35 AM - 07:40 AM	50.9	10:15 AM - 10:20 AM	51.9	12:59 PM - 01:00 PM	46.9	03:35 PM - 03:40 PM	58.8	06:15 PM - 06:20 PM	51.3
02:20 AM - 02:25 AM	46.8	05:00 AM - 05:05 AM	50.0	07:40 AM - 07:45 AM	51.1	10:20 AM - 10:25 AM	52.8	01:00 PM - 01:05 PM	49.0	03:40 PM - 03:45 PM	57.9	06:20 PM - 06:25 PM	51.4
02:25 AM - 02:30 AM	46.7	05:05 AM - 05:10 AM	48.6	07:45 AM - 07:50 AM	50.2	10:25 AM - 10:30 AM	53.0	01:05 PM - 01:10 PM	47.6	03:45 PM - 03:50 PM	57.6	06:25 PM - 06:30 PM	50.4
02:30 AM - 02:35 AM	47.8	05:10 AM - 05:15 AM	52.6	07:50 AM - 07:55 AM	49.0	10:30 AM - 10:35 AM	54.6	01:10 PM - 01:15 PM	49.1	03:50 PM - 03:55 PM	59.6	06:30 PM - 06:35 PM	53.3
02:35 AM - 02:40 AM	47.3	05:15 AM - 05:20 AM	48.5	07:55 AM - 08:00 AM	49.7	10:35 AM - 10:40 AM	54.8	01:15 PM - 01:20 PM	47.8	03:55 PM - 04:00 PM	59.6	06:35 PM - 06:40 PM	51.6
02:40 AM - 02:45 AM	47.2	05:20 AM - 05:25 AM	49.3	08:00 AM - 08:05 AM	49.9	10:40 AM - 10:45 AM	53.4	01:20 PM - 01:25 PM	50.2	04:00 PM - 04:05 PM	60.1	06:40 PM - 06:45 PM	51.6
02:45 AM - 02:50 AM	48.2	05:25 AM - 05:30 AM	47.7	08:05 AM - 08:10 AM	52.0	10:45 AM - 10:50 AM	53.8	01:25 PM - 01:30 PM	48.5	04:05 PM - 04:10 PM	61.2	06:45 PM - 06:50 PM	50.2
02:50 AM - 02:55 AM	47.4	05:30 AM - 05:35 AM	47.2	08:10 AM - 08:15 AM	52.4	10:50 AM - 10:55 AM	51.2	01:30 PM - 01:35 PM	44.9	04:10 PM - 04:15 PM	60.2	06:50 PM - 06:55 PM	51.1
02:55 AM - 03:00 AM	46.6	05:35 AM - 05:40 AM	47.9	08:15 AM - 08:20 AM	51.0	10:55 AM - 11:00 AM	51.6	01:35 PM - 01:40 PM	46.3	04:15 PM - 04:20 PM	61.8	06:55 PM - 07:00 PM	51.4
03:00 AM - 03:05 AM	49.7	05:40 AM - 05:45 AM	51.6	08:20 AM - 08:25 AM	51.4	11:00 AM - 11:05 AM	51.5	01:40 PM - 01:45 PM	45.6	04:20 PM - 04:25 PM	62.9	07:00 PM - 07:05 PM	49.9
03:05 AM - 03:10 AM	49.5	05:45 AM - 05:50 AM	51.8	08:25 AM - 08:30 AM	51.3	11:05 AM - 11:10 AM	49.9	01:45 PM - 01:50 PM	45.8	04:25 PM - 04:30 PM	60.9	07:05 PM - 07:10 PM	51.0
03:10 AM - 03:15 AM	55.6	05:50 AM - 05:55 AM	51.3	08:30 AM - 08:35 AM	51.9	11:10 AM - 11:15 AM	51.1	01:50 PM - 01:55 PM	45.8	04:30 PM - 04:35 PM	59.5	07:10 PM - 07:15 PM	51.8
03:15 AM - 03:20 AM	51.8	05:55 AM - 06:00 AM	51.5	08:35 AM - 08:40 AM	53.1	11:15 AM - 11:20 AM	50.1	01:55 PM - 02:00 PM	45.5	04:35 PM - 04:40 PM	56.5	07:15 PM - 07:20 PM	51.1
03:20 AM - 03:25 AM	55.1	06:00 AM - 06:05 AM	51.7	08:40 AM - 08:45 AM	53.3	11:20 AM - 11:25 AM	51.9	02:00 PM - 02:05 PM	47.0	04:40 PM - 04:45 PM	55.7	07:20 PM - 07:25 PM	49.9
03:25 AM - 03:30 AM	55.0	06:05 AM - 06:10 AM	51.6	08:45 AM - 08:50 AM	53.0	11:25 AM - 11:30 AM	52.8	02:05 PM - 02:10 PM	45.3	04:45 PM - 04:50 PM	52.9	07:25 PM - 07:30 PM	50.6
03:30 AM - 03:35 AM	51.3	06:10 AM - 06:15 AM	52.1	08:50 AM - 08:55 AM	51.9	11:30 AM - 11:35 AM	50.5	02:10 PM - 02:15 PM	44.7	04:50 PM - 04:55 PM	55.0	07:30 PM - 07:35 PM	51.0
03:35 AM - 03:40 AM	49.8	06:15 AM - 06:20 AM	51.8	08:55 AM - 09:00 AM	51.6	11:35 AM - 11:40 AM	52.2	02:15 PM - 02:20 PM	47.2	04:55 PM - 05:00 PM	58.3	07:35 PM - 07:40 PM	50.8
03:40 AM - 03:45 AM	52.6	06:20 AM - 06:25 AM	49.9	09:00 AM - 09:05 AM	54.9	11:40 AM - 11:45 AM	50.4	02:20 PM - 02:25 PM	46.6	05:00 PM - 05:05 PM	60.3	07:40 PM - 07:45 PM	53.0
03:45 AM - 03:50 AM	52.3	06:25 AM - 06:30 AM	48.6	09:05 AM - 09:10 AM	53.2	11:45 AM - 11:50 AM	50.9	02:25 PM - 02:30 PM	47.7	05:05 PM - 05:10 PM	56.5	07:45 PM - 07:50 PM	50.7
03:50 AM - 03:55 AM	51.1	06:30 AM - 06:35 AM	48.4	09:10 AM - 09:15 AM	51.9	11:50 AM - 11:55 AM	51.3	02:30 PM - 02:35 PM	47.2	05:10 PM - 05:15 PM	61.4	07:50 PM - 07:55 PM	52.5
03:55 AM - 04:00 AM	52.4	06:35 AM - 06:40 AM	49.3	09:15 AM - 09:20 AM	55.1	11:55 AM - 12:00 PM	51.0	02:35 PM - 02:40 PM	46.5	05:15 PM - 05:20 PM	59.7	07:55 PM - 08:00 PM	51.8
04:00 AM - 04:05 AM	52.3	06:40 AM - 06:45 AM	49.7	09:20 AM - 09:25 AM	55.3	12:00 PM - 12:05 PM	52.4	02:40 PM - 02:45 PM	45.6	05:20 PM - 05:25 PM	58.2	08:00 PM - 08:05 PM	51.3
04:05 AM - 04:10 AM	51.8	06:45 AM - 06:50 AM	49.7	09:25 AM - 09:30 AM	53.5	12:05 PM - 12:10 PM	55.5	02:45 PM - 02:50 PM	47.8	05:25 PM - 05:30 PM	56.6	08:05 PM - 08:10 PM	50.6
04:10 AM - 04:15 AM	53.9	06:50 AM - 06:55 AM	50.1	09:30 AM - 09:35 AM	53.7	12:10 PM - 12:15 PM	54.8	02:50 PM - 02:55 PM	47.6	05:30 PM - 05:35 PM	58.0	08:10 PM - 08:15 PM	50.4
04:15 AM - 04:20 AM	52.2	06:55 AM - 07:00 AM	48.3	09:35 AM - 09:40 AM	54.8	12:15 PM - 12:20 PM	50.7	02:55 PM - 03:00 PM	47.1	05:35 PM - 05:40 PM	54.5	08:15 PM - 08:20 PM	50.5
04:20 AM - 04:25 AM	51.6	07:00 AM - 07:05 AM	48.3	09:40 AM - 09:45 AM	55.2	12:20 PM - 12:25 PM	55.8	03:00 PM - 03:05 PM	47.1	05:40 PM - 05:45 PM	55.9	08:20 PM - 08:25 PM	50.5
04:25 AM - 04:30 AM	50.2	07:05 AM - 07:10 AM	48.5	09:45 AM - 09:50 AM	53.7	12:25 PM - 12:30 PM	51.8	03:05 PM - 03:10 PM	47.4	05:45 PM - 05:50 PM	60.4	08:25 PM - 08:30 PM	50.5
04:30 AM - 04:35 AM	50.3	07:10 AM - 07:15 AM	50.2	09:50 AM - 09:55 AM	54.4	12:30 PM - 12:35 PM	51.3	03:10 PM - 03:15 PM	47.6	05:50 PM - 05:55 PM	52.7	08:30 PM - 08:35 PM	49.6
04:35 AM - 04:40 AM	49.0	07:15 AM - 07:20 AM	56.4	09:55 AM - 10:00 AM	53.1	12:35 PM - 12:40 PM	51.1	03:15 PM - 03:20 PM	45.8	05:55 PM - 06:00 PM	57.4	08:35 PM - 08:40 PM	50.4

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Approved by

Sarayu Jitranont
Assistant General Manager

Approved by

Sarayu 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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413660-1

Page 1 of 3

Sample Number : 2291807-8
Parameter : Noise Level (Leq 5 min)
Location : ข้างทางเข้า-ออก (GPS 47P 0735531, 1402769)
Measurement Date : Aug 15 - Aug 16, 2022
Measurement by : Sawal Torpho
Sound Level meter : Serial No. 01122567

Aug 15, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 15, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 15, 2022 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	51.4	46.4	12:40 PM - 12:45 PM	55.6	48.7	03:20 PM - 03:25 PM	60.2	51.3
10:05 AM - 10:10 AM	52.9	46.3	12:45 PM - 12:50 PM	61.2	50.1	03:25 PM - 03:30 PM	58.7	49.7
10:10 AM - 10:15 AM	51.7	47.2	12:50 PM - 12:55 PM	61.5	49.7	03:30 PM - 03:35 PM	59.0	51.4
10:15 AM - 10:20 AM	51.9	46.9	12:55 PM - 01:00 PM	59.6	48.6	03:35 PM - 03:40 PM	58.8	51.3
10:20 AM - 10:25 AM	52.8	49.0	01:00 PM - 01:05 PM	59.2	49.4	03:40 PM - 03:45 PM	57.9	51.4
10:25 AM - 10:30 AM	53.0	47.6	01:05 PM - 01:10 PM	60.2	49.5	03:45 PM - 03:50 PM	57.6	50.4
10:30 AM - 10:35 AM	54.6	49.1	01:10 PM - 01:15 PM	60.6	50.6	03:50 PM - 03:55 PM	59.6	53.3
10:35 AM - 10:40 AM	54.8	47.8	01:15 PM - 01:20 PM	60.9	50.4	03:55 PM - 04:00 PM	61.5	51.6
10:40 AM - 10:45 AM	53.4	50.2	01:20 PM - 01:25 PM	58.2	50.1	04:00 PM - 04:05 PM	60.1	51.6
10:45 AM - 10:50 AM	53.8	48.5	01:25 PM - 01:30 PM	60.2	51.4	04:05 PM - 04:10 PM	61.2	50.2
10:50 AM - 10:55 AM	51.2	44.9	01:30 PM - 01:35 PM	60.3	52.2	04:10 PM - 04:15 PM	60.2	51.1
10:55 AM - 11:00 AM	51.6	46.3	01:35 PM - 01:40 PM	60.2	50.3	04:15 PM - 04:20 PM	61.8	51.4
11:00 AM - 11:05 AM	51.5	45.6	01:40 PM - 01:45 PM	59.6	50.0	04:20 PM - 04:25 PM	62.9	49.9
11:05 AM - 11:10 AM	49.9	45.8	01:45 PM - 01:50 PM	60.3	47.1	04:25 PM - 04:30 PM	60.9	51.0
11:10 AM - 11:15 AM	51.1	45.8	01:50 PM - 01:55 PM	61.9	49.2	04:30 PM - 04:35 PM	59.5	51.8
11:15 AM - 11:20 AM	50.1	45.5	01:55 PM - 02:00 PM	62.3	49.9	04:35 PM - 04:40 PM	56.5	51.1
11:20 AM - 11:25 AM	51.9	47.0	02:00 PM - 02:05 PM	58.3	47.4	04:40 PM - 04:45 PM	55.7	49.9
11:25 AM - 11:30 AM	52.8	45.3	02:05 PM - 02:10 PM	57.9	49.2	04:45 PM - 04:50 PM	52.9	50.6
11:30 AM - 11:35 AM	50.5	44.7	02:10 PM - 02:15 PM	56.5	49.5	04:50 PM - 04:55 PM	55.0	51.0
11:35 AM - 11:40 AM	52.2	47.2	02:15 PM - 02:20 PM	57.1	48.8	04:55 PM - 05:00 PM	58.3	50.8
11:40 AM - 11:45 AM	50.4	46.6	02:20 PM - 02:25 PM	59.8	47.8	05:00 PM - 05:05 PM	60.3	53.0
11:45 AM - 11:50 AM	50.9	47.7	02:25 PM - 02:30 PM	58.5	49.4	05:05 PM - 05:10 PM	56.5	50.7
11:50 AM - 11:55 AM	51.3	47.2	02:30 PM - 02:35 PM	60.5	50.3	05:10 PM - 05:15 PM	61.4	52.5
11:55 AM - 12:00 PM	51.0	46.5	02:35 PM - 02:40 PM	59.3	48.8	05:15 PM - 05:20 PM	59.7	51.8
12:00 PM - 12:05 PM	52.4	45.6	02:40 PM - 02:45 PM	61.1	49.1	05:20 PM - 05:25 PM	58.2	51.3
12:05 PM - 12:10 PM	55.5	47.8	02:45 PM - 02:50 PM	62.9	49.9	05:25 PM - 05:30 PM	56.6	50.6
12:10 PM - 12:15 PM	54.8	47.6	02:50 PM - 02:55 PM	60.8	49.9	05:30 PM - 05:35 PM	58.0	50.4
12:15 PM - 12:20 PM	50.7	47.1	02:55 PM - 03:00 PM	58.2	48.7	05:35 PM - 05:40 PM	54.5	50.5
12:20 PM - 12:25 PM	55.8	47.1	03:00 PM - 03:05 PM	59.3	49.8	05:40 PM - 05:45 PM	55.9	50.5
12:25 PM - 12:30 PM	51.8	47.4	03:05 PM - 03:10 PM	58.2	50.3	05:45 PM - 05:50 PM	60.4	50.5
12:30 PM - 12:35 PM	51.3	47.6	03:10 PM - 03:15 PM	58.1	49.9	05:50 PM - 05:55 PM	52.7	49.6
12:35 PM - 12:40 PM	51.1	45.8	03:15 PM - 03:20 PM	56.1	48.3	05:55 PM - 06:00 PM	57.4	50.4



Client : Siam Polyethylene Co., Ltd.

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Sample Number : 2291807-8

Parameter : Noise Level (Leq 5 min)

Location : ต.บ้านใหม่-อ.บางพลี (GPS 47° 07'35.531", 1402769)

Measurement Date : Aug 15 - Aug 16, 2022

Measurement by : Sawai Tongtho

Sound Level meter : Serial No. 01122567

Analysis / Test Report

Lot ID: 2291807

Date Received : Aug 23, 2022

Date Reported : Aug 29, 2022

Report Number : 2413660-1

Page 2 of 3

Aug 15, 2022 Time	Leq dB(A)	Aug 15, 2022 Time	Leq dB(A)	Aug 15 - Aug 16, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	55.5	08:40 PM - 08:45 PM	61.7	11:20 PM - 11:25 PM	49.6	43.4
06:05 PM - 06:10 PM	53.0	08:45 PM - 08:50 PM	63.4	11:25 PM - 11:30 PM	52.5	43.9
06:10 PM - 06:15 PM	57.3	08:50 PM - 08:55 PM	61.7	11:30 PM - 11:35 PM	46.8	43.8
06:15 PM - 06:20 PM	54.9	08:55 PM - 09:00 PM	60.1	11:35 PM - 11:40 PM	49.2	45.0
06:20 PM - 06:25 PM	53.6	09:00 PM - 09:05 PM	60.5	11:40 PM - 11:45 PM	48.1	43.9
06:25 PM - 06:30 PM	55.1	09:05 PM - 09:10 PM	59.7	11:45 PM - 11:50 PM	50.5	43.1
06:30 PM - 06:35 PM	54.1	09:10 PM - 09:15 PM	58.3	11:50 PM - 11:55 PM	48.1	44.0
06:35 PM - 06:40 PM	54.2	09:15 PM - 09:20 PM	56.9	11:55 PM - 12:00 AM	48.4	43.7
06:40 PM - 06:45 PM	56.0	09:20 PM - 09:25 PM	57.0	12:00 AM - 12:05 AM	46.6	42.5
06:45 PM - 06:50 PM	53.9	09:25 PM - 09:30 PM	56.6	12:05 AM - 12:10 AM	46.6	42.8
06:50 PM - 06:55 PM	52.7	09:30 PM - 09:35 PM	58.3	12:10 AM - 12:15 AM	45.3	43.2
06:55 PM - 07:00 PM	52.6	09:35 PM - 09:40 PM	59.5	12:15 AM - 12:20 AM	47.4	43.8
07:00 PM - 07:05 PM	53.8	09:40 PM - 09:45 PM	56.2	12:20 AM - 12:25 AM	46.0	44.5
07:05 PM - 07:10 PM	54.8	09:45 PM - 09:50 PM	67.4	12:25 AM - 12:30 AM	46.9	43.2
07:10 PM - 07:15 PM	54.0	09:50 PM - 09:55 PM	63.4	12:30 AM - 12:35 AM	46.6	43.6
07:15 PM - 07:20 PM	55.7	09:55 PM - 10:00 PM	58.0	12:35 AM - 12:40 AM	46.5	43.9
07:20 PM - 07:25 PM	59.1	10:00 PM - 10:05 PM	54.9	12:40 AM - 12:45 AM	45.0	43.4
07:25 PM - 07:30 PM	57.5	10:05 PM - 10:10 PM	52.5	12:45 AM - 12:50 AM	46.6	43.9
07:30 PM - 07:35 PM	56.0	10:10 PM - 10:15 PM	53.7	12:50 AM - 12:55 AM	45.6	43.2
07:35 PM - 07:40 PM	56.0	10:15 PM - 10:20 PM	58.5	12:55 AM - 01:00 AM	47.3	42.4
07:40 PM - 07:45 PM	56.5	10:20 PM - 10:25 PM	58.3	01:00 AM - 01:05 AM	45.6	42.4
07:45 PM - 07:50 PM	55.1	10:25 PM - 10:30 PM	58.9	01:05 AM - 01:10 AM	42.5	41.4
07:50 PM - 07:55 PM	55.3	10:30 PM - 10:35 PM	60.7	01:10 AM - 01:15 AM	45.8	41.5
07:55 PM - 08:00 PM	57.2	10:35 PM - 10:40 PM	59.6	01:15 AM - 01:20 AM	46.4	41.9
08:00 PM - 08:05 PM	59.3	10:40 PM - 10:45 PM	56.7	01:20 AM - 01:25 AM	47.8	42.0
08:05 PM - 08:10 PM	59.7	10:45 PM - 10:50 PM	56.2	01:25 AM - 01:30 AM	46.3	41.9
08:10 PM - 08:15 PM	60.1	10:50 PM - 10:55 PM	58.4	01:30 AM - 01:35 AM	43.9	41.9
08:15 PM - 08:20 PM	62.2	10:55 PM - 11:00 PM	57.3	01:35 AM - 01:40 AM	44.6	42.7
08:20 PM - 08:25 PM	61.2	11:00 PM - 11:05 PM	53.5	01:40 AM - 01:45 AM	45.0	43.8
08:25 PM - 08:30 PM	61.7	11:05 PM - 11:10 PM	52.6	01:45 AM - 01:50 AM	44.9	43.6
08:30 PM - 08:35 PM	60.6	11:10 PM - 11:15 PM	48.8	01:50 AM - 01:55 AM	48.7	43.9
08:35 PM - 08:40 PM	63.1	11:15 PM - 11:20 PM	47.3	01:55 AM - 02:00 AM	44.8	43.7

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Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Assistant General Manager



Client : Siam Polyethylene Co., Ltd.

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Sample Number : 2291807-8

Parameter : Noise Level (Leq 5 min)

Location : ต.บ้านใหม่-อ.บางพลี (GPS 47° 07'35.531", 1402769)

Measurement Date : Aug 15 - Aug 16, 2022

Measurement by : Sawai Tongtho

Sound Level meter : Serial No. 01122567

Analysis / Test Report

Lot ID: 2291807

Date Received : Aug 23, 2022

Date Reported : Aug 29, 2022

Report Number : 2413660-1

Page 3 of 3

Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	L90 dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	49.0	04:40 AM - 04:45 AM	56.4	07:20 AM - 07:25 AM	49.7	46.2
02:05 AM - 02:10 AM	47.0	04:45 AM - 04:50 AM	61.7	07:25 AM - 07:30 AM	52.8	47.3
02:10 AM - 02:15 AM	44.3	04:50 AM - 04:55 AM	61.3	07:30 AM - 07:35 AM	55.6	46.7
02:15 AM - 02:20 AM	44.2	04:55 AM - 05:00 AM	60.8	07:35 AM - 07:40 AM	55.0	49.0
02:20 AM - 02:25 AM	48.3	05:00 AM - 05:05 AM	59.6	07:40 AM - 07:45 AM	54.7	47.7
02:25 AM - 02:30 AM	45.2	05:05 AM - 05:10 AM	59.3	07:45 AM - 07:50 AM	53.4	48.4
02:30 AM - 02:35 AM	49.1	05:10 AM - 05:15 AM	58.9	07:50 AM - 07:55 AM	58.9	50.0
02:35 AM - 02:40 AM	47.0	05:15 AM - 05:20 AM	57.8	07:55 AM - 08:00 AM	54.1	47.4
02:40 AM - 02:45 AM	46.2	05:20 AM - 05:25 AM	59.2	08:00 AM - 08:05 AM	54.8	46.0
02:45 AM - 02:50 AM	52.2	05:25 AM - 05:30 AM	51.9	08:05 AM - 08:10 AM	59.6	47.4
02:50 AM - 02:55 AM	50.5	05:30 AM - 05:35 AM	49.2	08:10 AM - 08:15 AM	59.3	47.7
02:55 AM - 03:00 AM	45.6	05:35 AM - 05:40 AM	52.7	08:15 AM - 08:20 AM	59.6	49.1
03:00 AM - 03:05 AM	50.7	05:40 AM - 05:45 AM	51.3	08:20 AM - 08:25 AM	60.2	49.8
03:05 AM - 03:10 AM	52.6	05:45 AM - 05:50 AM	49.5	08:25 AM - 08:30 AM	60.6	50.5
03:10 AM - 03:15 AM	47.6	05:50 AM - 05:55 AM	49.6	08:30 AM - 08:35 AM	58.7	48.1
03:15 AM - 03:20 AM	52.4	05:55 AM - 06:00 AM	49.4	08:35 AM - 08:40 AM	55.6	46.2
03:20 AM - 03:25 AM	52.2	06:00 AM - 06:05 AM	52.9	08:40 AM - 08:45 AM	55.9	46.7
03:25 AM - 03:30 AM	53.6	06:05 AM - 06:10 AM	50.2	08:45 AM - 08:50 AM	57.1	47.8
03:30 AM - 03:35 AM	54.9	06:10 AM - 06:15 AM	51.6	08:50 AM - 08:55 AM	57.5	46.9
03:35 AM - 03:40 AM	56.2	06:15 AM - 06:20 AM	50.3	08:55 AM - 09:00 AM	58.3	47.7
03:40 AM - 03:45 AM	54.7	06:20 AM - 06:25 AM	50.1	09:00 AM - 09:05 AM	60.0	47.7
03:45 AM - 03:50 AM	53.8	06:25 AM - 06:30 AM	49.9	09:05 AM - 09:10 AM	56.0	48.0
03:50 AM - 03:55 AM	55.8	06:30 AM - 06:35 AM	54.1	09:10 AM - 09:15 AM	51.8	46.6
03:55 AM - 04:00 AM	55.9	06:35 AM - 06:40 AM	51.7	09:15 AM - 09:20 AM	52.3	47.7
04:00 AM - 04:05 AM	57.6	06:40 AM - 06:45 AM	52.5	09:20 AM - 09:25 AM	63.4	48.2
04:05 AM - 04:10 AM	58.3	06:45 AM - 06:50 AM	52.4	09:25 AM - 09:30 AM	63.4	58.1
04:10 AM - 04:15 AM	59.6	06:50 AM - 06:55 AM	51.6	09:30 AM - 09:35 AM	65.3	57.7
04:15 AM - 04:20 AM	57.4	06:55 AM - 07:00 AM	53.0	09:35 AM - 09:40 AM	59.9	47.4
04:20 AM - 04:25 AM	59.2	07:00 AM - 07:05 AM	51.2	09:40 AM - 09:45 AM	53.8	46.5
04:25 AM - 04:30 AM	61.1	07:05 AM - 07:10 AM	53.0	09:45 AM - 09:50 AM	52.9	47.7
04:30 AM - 04:35 AM	58.7	07:10 AM - 07:15 AM	52.6	09:50 AM - 09:55 AM	53.2	47.8
04:35 AM - 04:40 AM	59.5	07:15 AM - 07:20 AM	50.4	09:55 AM - 10:00 AM	53.0	49.3

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413661-1

Page 1 of 3

Sample Number : 2291807-9
Parameter : Noise Level (Leq 5 min)
Location : ตําบลนาเกลือ-อำเภอวัง (GPS 47° 07'35.531", 14°02'769")
Measurement Date : Aug 16 - Aug 17, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122567

Aug 16, 2022	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)
10:00 AM - 10:05 AM	51.7	12:40 PM - 12:45 PM	54.9	03:20 PM - 03:25 PM	55.6	49.1	49.1
10:05 AM - 10:10 AM	52.5	12:45 PM - 12:50 PM	55.0	03:25 PM - 03:30 PM	61.7	48.4	48.4
10:10 AM - 10:15 AM	52.4	12:50 PM - 12:55 PM	57.2	03:30 PM - 03:35 PM	59.7	49.0	49.0
10:15 AM - 10:20 AM	61.6	12:55 PM - 01:00 PM	60.0	03:35 PM - 03:40 PM	55.8	48.9	48.9
10:20 AM - 10:25 AM	60.8	01:00 PM - 01:05 PM	58.7	03:40 PM - 03:45 PM	56.1	50.4	50.4
10:25 AM - 10:30 AM	58.5	01:05 PM - 01:10 PM	57.5	03:45 PM - 03:50 PM	54.4	49.1	49.1
10:30 AM - 10:35 AM	58.9	01:10 PM - 01:15 PM	56.8	03:50 PM - 03:55 PM	58.4	49.9	49.9
10:35 AM - 10:40 AM	56.5	01:15 PM - 01:20 PM	59.2	03:55 PM - 04:00 PM	54.5	49.3	49.3
10:40 AM - 10:45 AM	53.5	01:20 PM - 01:25 PM	58.1	04:00 PM - 04:05 PM	54.3	49.2	49.2
10:45 AM - 10:50 AM	54.3	01:25 PM - 01:30 PM	55.5	04:05 PM - 04:10 PM	57.1	49.9	49.9
10:50 AM - 10:55 AM	53.6	01:30 PM - 01:35 PM	57.9	04:10 PM - 04:15 PM	57.0	49.3	49.3
10:55 AM - 11:00 AM	54.0	01:35 PM - 01:40 PM	54.2	04:15 PM - 04:20 PM	58.5	51.7	51.7
11:00 AM - 11:05 AM	54.9	01:40 PM - 01:45 PM	60.1	04:20 PM - 04:25 PM	60.0	54.6	54.6
11:05 AM - 11:10 AM	51.5	01:45 PM - 01:50 PM	61.4	04:25 PM - 04:30 PM	58.6	52.5	52.5
11:10 AM - 11:15 AM	53.2	01:50 PM - 01:55 PM	61.8	04:30 PM - 04:35 PM	57.9	51.4	51.4
11:15 AM - 11:20 AM	48.7	01:55 PM - 02:00 PM	57.4	04:35 PM - 04:40 PM	57.5	51.9	51.9
11:20 AM - 11:25 AM	54.5	02:00 PM - 02:05 PM	58.9	04:40 PM - 04:45 PM	56.8	52.2	52.2
11:25 AM - 11:30 AM	54.3	02:05 PM - 02:10 PM	56.2	04:45 PM - 04:50 PM	56.3	51.4	51.4
11:30 AM - 11:35 AM	55.9	02:10 PM - 02:15 PM	57.8	04:50 PM - 04:55 PM	56.7	52.5	52.5
11:35 AM - 11:40 AM	48.3	02:15 PM - 02:20 PM	56.5	04:55 PM - 05:00 PM	57.1	51.3	51.3
11:40 AM - 11:45 AM	54.7	02:20 PM - 02:25 PM	58.0	05:00 PM - 05:05 PM	56.2	52.0	52.0
11:45 AM - 11:50 AM	54.9	02:25 PM - 02:30 PM	58.9	05:05 PM - 05:10 PM	56.0	52.1	52.1
11:50 AM - 11:55 AM	56.2	02:30 PM - 02:35 PM	55.8	05:10 PM - 05:15 PM	56.3	52.6	52.6
12:00 PM - 12:05 PM	57.3	02:35 PM - 02:40 PM	56.1	05:15 PM - 05:20 PM	56.5	51.1	51.1
12:05 PM - 12:10 PM	52.7	02:40 PM - 02:45 PM	58.0	05:20 PM - 05:25 PM	57.7	51.1	51.1
12:10 PM - 12:15 PM	52.0	02:45 PM - 02:50 PM	57.4	05:25 PM - 05:30 PM	55.6	50.8	50.8
12:15 PM - 12:20 PM	53.4	02:50 PM - 02:55 PM	54.2	05:30 PM - 05:35 PM	53.4	50.5	50.5
12:20 PM - 12:25 PM	54.6	02:55 PM - 03:00 PM	55.2	05:35 PM - 05:40 PM	55.0	49.5	49.5
12:25 PM - 12:30 PM	54.7	03:00 PM - 03:05 PM	58.6	05:40 PM - 05:45 PM	55.5	50.8	50.8
12:30 PM - 12:35 PM	54.7	03:05 PM - 03:10 PM	57.8	05:45 PM - 05:50 PM	56.3	51.8	51.8
12:35 PM - 12:40 PM	55.9	03:10 PM - 03:15 PM	56.8	05:50 PM - 05:55 PM	55.8	51.1	51.1
		03:15 PM - 03:20 PM	56.1	05:55 PM - 06:00 PM	55.8	51.7	51.7

Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Saranyuth Jitrantorn
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413661-1

Page 2 of 3

Sample Number : 2291807-9
Parameter : Noise Level (Leq 5 min)
Location : ตําบลนาเกลือ-อำเภอวัง (GPS 47° 07'35.531", 14°02'769")
Measurement Date : Aug 16 - Aug 17, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122567

Aug 16, 2022	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)	Aug 16, 2022 Time	Leq dB(A)
06:00 PM - 06:05 PM	55.4	08:40 PM - 08:45 PM	51.0	11:20 PM - 11:25 PM	47.6	46.3	46.3
06:05 PM - 06:10 PM	55.7	08:45 PM - 08:50 PM	50.8	11:25 PM - 11:30 PM	50.4	46.4	46.4
06:10 PM - 06:15 PM	53.6	08:50 PM - 08:55 PM	53.6	11:30 PM - 11:35 PM	50.5	47.6	47.6
06:15 PM - 06:20 PM	54.8	08:55 PM - 09:00 PM	49.1	11:35 PM - 11:40 PM	51.1	46.2	46.2
06:20 PM - 06:25 PM	53.7	09:00 PM - 09:05 PM	49.6	11:40 PM - 11:45 PM	51.3	46.8	46.8
06:25 PM - 06:30 PM	55.4	09:05 PM - 09:10 PM	50.2	11:45 PM - 11:50 PM	50.9	44.8	44.8
06:30 PM - 06:35 PM	60.4	09:10 PM - 09:15 PM	50.3	11:50 PM - 11:55 PM	52.5	45.8	45.8
06:35 PM - 06:40 PM	55.0	09:15 PM - 09:20 PM	49.8	11:55 PM - 12:00 AM	49.0	43.7	43.7
06:40 PM - 06:45 PM	61.9	09:20 PM - 09:25 PM	51.8	12:00 AM - 12:05 AM	47.5	43.5	43.5
06:45 PM - 06:50 PM	56.2	09:25 PM - 09:30 PM	49.7	12:05 AM - 12:10 AM	49.0	44.4	44.4
06:50 PM - 06:55 PM	56.3	09:30 PM - 09:35 PM	50.8	12:10 AM - 12:15 AM	53.8	44.2	44.2
06:55 PM - 07:00 PM	54.2	09:35 PM - 09:40 PM	49.4	12:15 AM - 12:20 AM	51.6	44.8	44.8
07:00 PM - 07:05 PM	55.6	09:40 PM - 09:45 PM	50.3	12:20 AM - 12:25 AM	51.4	44.9	44.9
07:05 PM - 07:10 PM	53.1	09:45 PM - 09:50 PM	53.3	12:25 AM - 12:30 AM	50.2	44.6	44.6
07:10 PM - 07:15 PM	54.6	09:50 PM - 09:55 PM	57.7	12:30 AM - 12:35 AM	51.4	44.3	44.3
07:15 PM - 07:20 PM	53.2	09:55 PM - 10:00 PM	52.8	12:35 AM - 12:40 AM	47.6	44.0	44.0
07:20 PM - 07:25 PM	56.1	10:00 PM - 10:05 PM	53.0	12:40 AM - 12:45 AM	48.4	44.1	44.1
07:25 PM - 07:30 PM	56.7	10:05 PM - 10:10 PM	53.5	12:45 AM - 12:50 AM	46.8	43.9	43.9
07:30 PM - 07:35 PM	52.0	10:10 PM - 10:15 PM	52.3	12:50 AM - 12:55 AM	52.2	44.7	44.7
07:35 PM - 07:40 PM	55.1	10:15 PM - 10:20 PM	50.2	12:55 AM - 01:00 AM	47.3	43.8	43.8
07:40 PM - 07:45 PM	50.5	10:20 PM - 10:25 PM	51.2	01:00 AM - 01:05 AM	47.9	43.3	43.3
07:45 PM - 07:50 PM	55.5	10:25 PM - 10:30 PM	51.4	01:05 AM - 01:10 AM	48.4	42.7	42.7
07:50 PM - 07:55 PM	53.5	10:30 PM - 10:35 PM	53.1	01:10 AM - 01:15 AM	48.9	43.5	43.5
07:55 PM - 08:00 PM	53.7	10:35 PM - 10:40 PM	58.0	01:15 AM - 01:20 AM	48.3	42.6	42.6
08:00 PM - 08:05 PM	56.2	10:40 PM - 10:45 PM	52.1	01:20 AM - 01:25 AM	47.3	44.4	44.4
08:05 PM - 08:10 PM	55.9	10:45 PM - 10:50 PM	55.4	01:25 AM - 01:30 AM	49.8	44.2	44.2
08:10 PM - 08:15 PM	53.5	10:50 PM - 10:55 PM	55.4	01:30 AM - 01:35 AM	49.6	44.3	44.3
08:15 PM - 08:20 PM	56.2	10:55 PM - 11:00 PM	50.2	01:35 AM - 01:40 AM	57.6	44.9	44.9
08:20 PM - 08:25 PM	53.2	11:00 PM - 11:05 PM	51.8	01:40 AM - 01:45 AM	49.0	43.4	43.4
08:25 PM - 08:30 PM	52.9	11:05 PM - 11:10 PM	55.5	01:45 AM - 01:50 AM	46.9	43.5	43.5
08:30 PM - 08:35 PM	54.6	11:10 PM - 11:15 PM	49.7	01:50 AM - 01:55 AM	49.3	44.2	44.2
08:35 PM - 08:40 PM	53.3	11:15 PM - 11:20 PM	48.8	01:55 AM - 02:00 AM	47.0	43.5	43.5

Approved by

Saranyuth 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 : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413661-1

Page 3 of 3

Sample Number : 2291807-9
Parameter : Noise Level (Leq 5 min)
Location : บ้านนาเกลือ-บ้านนาเกลือ (GPS 47P-0735531, 1402769)
Measurement Date : Aug 16 - Aug 17, 2022
Measurement by : Sawai Tonpho
Sound Level meter : Serial No. 01122567

Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)	Aug 17, 2022 Time	Leq dB(A)
02:00 AM - 02:05 AM	51.7	04:40 AM - 04:45 AM	53.6	07:20 AM - 07:25 AM	56.0	10:00 AM - 10:05 AM	56.2	12:40 PM - 12:45 PM	53.1
02:05 AM - 02:10 AM	49.1	04:45 AM - 04:50 AM	52.6	07:25 AM - 07:30 AM	56.2	10:05 AM - 10:10 AM	56.3	12:45 PM - 12:50 PM	51.9
02:10 AM - 02:15 AM	46.5	04:50 AM - 04:55 AM	50.1	07:30 AM - 07:35 AM	54.9	10:10 AM - 10:15 AM	55.9	12:50 PM - 12:55 PM	54.4
02:15 AM - 02:20 AM	48.6	04:55 AM - 05:00 AM	52.1	07:35 AM - 07:40 AM	55.0	10:15 AM - 10:20 AM	56.9	12:55 PM - 01:00 PM	55.9
02:20 AM - 02:25 AM	48.3	05:00 AM - 05:05 AM	51.3	07:40 AM - 07:45 AM	56.5	10:20 AM - 10:25 AM	55.4	01:00 PM - 01:05 PM	57.0
02:25 AM - 02:30 AM	47.3	05:05 AM - 05:10 AM	53.6	07:45 AM - 07:50 AM	55.5	10:25 AM - 10:30 AM	55.8	01:05 PM - 01:10 PM	55.9
02:30 AM - 02:35 AM	47.8	05:10 AM - 05:15 AM	52.3	07:50 AM - 07:55 AM	55.7	10:30 AM - 10:35 AM	55.7	01:10 PM - 01:15 PM	53.5
02:35 AM - 02:40 AM	49.4	05:15 AM - 05:20 AM	53.9	07:55 AM - 08:00 AM	55.0	10:35 AM - 10:40 AM	56.7	01:15 PM - 01:20 PM	54.2
02:40 AM - 02:45 AM	51.8	05:20 AM - 05:25 AM	50.6	08:00 AM - 08:05 AM	56.9	10:40 AM - 10:45 AM	55.5	01:20 PM - 01:25 PM	56.4
02:45 AM - 02:50 AM	50.0	05:25 AM - 05:30 AM	50.8	08:05 AM - 08:10 AM	57.5	10:45 AM - 10:50 AM	52.1	01:25 PM - 01:30 PM	52.6
02:50 AM - 02:55 AM	50.4	05:30 AM - 05:35 AM	50.6	08:10 AM - 08:15 AM	57.4	10:50 AM - 10:55 AM	55.8	01:30 PM - 01:35 PM	55.3
02:55 AM - 03:00 AM	49.0	05:35 AM - 05:40 AM	50.9	08:15 AM - 08:20 AM	58.3	10:55 AM - 11:00 AM	55.5	01:35 PM - 01:40 PM	55.8
03:00 AM - 03:05 AM	57.4	05:40 AM - 05:45 AM	51.4	08:20 AM - 08:25 AM	58.3	11:00 AM - 11:05 AM	56.9	01:40 PM - 01:45 PM	56.2
03:05 AM - 03:10 AM	52.7	05:45 AM - 05:50 AM	51.8	08:25 AM - 08:30 AM	57.5	11:05 AM - 11:10 AM	59.3	01:45 PM - 01:50 PM	55.5
03:10 AM - 03:15 AM	55.5	05:50 AM - 05:55 AM	52.5	08:30 AM - 08:35 AM	59.9	11:10 AM - 11:15 AM	59.2	01:50 PM - 01:55 PM	52.3
03:15 AM - 03:20 AM	55.6	05:55 AM - 06:00 AM	57.0	08:35 AM - 08:40 AM	56.1	11:15 AM - 11:20 AM	59.7	01:55 PM - 02:00 PM	53.4
03:20 AM - 03:25 AM	53.9	06:00 AM - 06:05 AM	53.3	08:40 AM - 08:45 AM	56.9	11:20 AM - 11:25 AM	55.4	02:00 PM - 02:05 PM	53.4
03:25 AM - 03:30 AM	51.9	06:05 AM - 06:10 AM	54.8	08:45 AM - 08:50 AM	53.2	11:25 AM - 11:30 AM	58.3	02:05 PM - 02:10 PM	54.2
03:30 AM - 03:35 AM	53.0	06:10 AM - 06:15 AM	54.3	08:50 AM - 08:55 AM	54.9	11:30 AM - 11:35 AM	55.0	02:10 PM - 02:15 PM	53.2
03:35 AM - 03:40 AM	50.9	06:15 AM - 06:20 AM	55.4	08:55 AM - 09:00 AM	57.1	11:35 AM - 11:40 AM	55.8	02:15 PM - 02:20 PM	53.2
03:40 AM - 03:45 AM	52.0	06:20 AM - 06:25 AM	55.2	09:00 AM - 09:05 AM	57.1	11:40 AM - 11:45 AM	52.0	02:20 PM - 02:25 PM	54.4
03:45 AM - 03:50 AM	51.9	06:25 AM - 06:30 AM	55.2	09:05 AM - 09:10 AM	56.5	11:45 AM - 11:50 AM	53.8	02:25 PM - 02:30 PM	54.3
03:50 AM - 03:55 AM	53.0	06:30 AM - 06:35 AM	57.5	09:10 AM - 09:15 AM	53.5	11:50 AM - 11:55 AM	54.1	02:30 PM - 02:35 PM	55.5
03:55 AM - 04:00 AM	51.6	06:35 AM - 06:40 AM	56.4	09:15 AM - 09:20 AM	53.8	11:55 AM - 12:00 PM	55.0	02:35 PM - 02:40 PM	61.1
04:00 AM - 04:05 AM	53.3	06:40 AM - 06:45 AM	58.4	09:20 AM - 09:25 AM	55.3	12:00 PM - 12:05 PM	55.3	02:40 PM - 02:45 PM	61.9
04:05 AM - 04:10 AM	53.1	06:45 AM - 06:50 AM	55.7	09:25 AM - 09:30 AM	59.9	12:05 PM - 12:10 PM	54.0	02:45 PM - 02:50 PM	60.4
04:10 AM - 04:15 AM	51.8	06:50 AM - 06:55 AM	56.3	09:30 AM - 09:35 AM	59.5	12:10 PM - 12:15 PM	51.1	02:50 PM - 02:55 PM	56.8
04:15 AM - 04:20 AM	53.6	06:55 AM - 07:00 AM	55.2	09:35 AM - 09:40 AM	58.9	12:15 PM - 12:20 PM	49.2	02:55 PM - 03:00 PM	56.1
04:20 AM - 04:25 AM	52.1	07:00 AM - 07:05 AM	54.0	09:40 AM - 09:45 AM	58.7	12:20 PM - 12:25 PM	51.7	03:00 PM - 03:05 PM	56.7
04:25 AM - 04:30 AM	52.0	07:05 AM - 07:10 AM	55.8	09:45 AM - 09:50 AM	60.1	12:25 PM - 12:30 PM	51.7	03:05 PM - 03:10 PM	57.4
04:30 AM - 04:35 AM	51.6	07:10 AM - 07:15 AM	55.7	09:50 AM - 09:55 AM	57.6	12:30 PM - 12:35 PM	54.2	03:10 PM - 03:15 PM	59.9
04:35 AM - 04:40 AM	54.3	07:15 AM - 07:20 AM	54.8	09:55 AM - 10:00 AM	57.3	12:35 PM - 12:40 PM	56.3	03:15 PM - 03:20 PM	55.9

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Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413662-1

Page 2 of 3

Sample Number : 2291807-10
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่-อ.บ้านค่าย (GPS 47° 07'35.531", 1402'69")
Measurement Date : Aug 17 - Aug 18, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122567

Aug 17, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 17, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	56.4	50.8	08:40 PM - 08:45 PM	56.6	48.8
06:05 PM - 06:10 PM	53.7	50.0	08:45 PM - 08:50 PM	55.6	47.9
06:10 PM - 06:15 PM	53.2	49.1	08:50 PM - 08:55 PM	52.7	48.2
06:15 PM - 06:20 PM	53.1	49.1	08:55 PM - 09:00 PM	55.2	47.4
06:20 PM - 06:25 PM	53.9	49.4	09:00 PM - 09:05 PM	51.3	47.4
06:25 PM - 06:30 PM	55.0	50.9	09:05 PM - 09:10 PM	54.0	48.8
06:30 PM - 06:35 PM	55.9	50.0	09:10 PM - 09:15 PM	52.6	49.1
06:35 PM - 06:40 PM	54.3	49.3	09:15 PM - 09:20 PM	53.3	49.0
06:40 PM - 06:45 PM	54.9	50.1	09:20 PM - 09:25 PM	52.6	48.6
06:45 PM - 06:50 PM	55.6	49.0	09:25 PM - 09:30 PM	52.8	48.1
06:50 PM - 06:55 PM	58.7	49.7	09:30 PM - 09:35 PM	57.4	47.3
06:55 PM - 07:00 PM	54.8	50.4	09:35 PM - 09:40 PM	57.6	49.2
07:00 PM - 07:05 PM	54.8	49.1	09:40 PM - 09:45 PM	53.9	48.6
07:05 PM - 07:10 PM	53.7	48.7	09:45 PM - 09:50 PM	51.7	47.8
07:10 PM - 07:15 PM	54.9	50.0	09:50 PM - 09:55 PM	50.6	47.9
07:15 PM - 07:20 PM	55.5	50.7	09:55 PM - 10:00 PM	53.5	50.4
07:20 PM - 07:25 PM	56.7	53.5	10:00 PM - 10:05 PM	57.6	51.4
07:25 PM - 07:30 PM	57.5	54.8	10:05 PM - 10:10 PM	55.9	51.0
07:30 PM - 07:35 PM	56.8	53.2	10:10 PM - 10:15 PM	55.6	51.0
07:35 PM - 07:40 PM	56.1	53.1	10:15 PM - 10:20 PM	56.0	48.8
07:40 PM - 07:45 PM	56.1	53.5	10:20 PM - 10:25 PM	51.8	47.1
07:45 PM - 07:50 PM	56.4	53.4	10:25 PM - 10:30 PM	53.0	45.6
07:50 PM - 07:55 PM	56.9	52.9	10:30 PM - 10:35 PM	50.4	46.2
07:55 PM - 08:00 PM	57.3	50.2	10:35 PM - 10:40 PM	49.3	46.0
08:00 PM - 08:05 PM	57.0	50.6	10:40 PM - 10:45 PM	49.0	45.3
08:05 PM - 08:10 PM	54.0	48.8	10:45 PM - 10:50 PM	48.9	45.2
08:10 PM - 08:15 PM	51.7	47.3	10:50 PM - 10:55 PM	51.7	45.0
08:15 PM - 08:20 PM	54.3	46.9	10:55 PM - 11:00 PM	52.9	45.2
08:20 PM - 08:25 PM	52.0	48.2	11:00 PM - 11:05 PM	51.0	45.0
08:25 PM - 08:30 PM	55.3	49.7	11:05 PM - 11:10 PM	50.0	45.1
08:30 PM - 08:35 PM	54.0	46.5	11:10 PM - 11:15 PM	48.7	45.1
08:35 PM - 08:40 PM	53.3	47.2	11:15 PM - 11:20 PM	49.9	45.8

Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Saranyuth Jitrantorn
Assistant General Manager

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413662-1

Page 3 of 3

Sample Number : 2291807-10
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่-อ.บ้านค่าย (GPS 47° 07'35.531", 1402'69")
Measurement Date : Aug 17 - Aug 18, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122567

Aug 18, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 18, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	45.9	42.9	04:40 AM - 04:45 AM	45.4	42.5
02:05 AM - 02:10 AM	46.1	42.8	04:45 AM - 04:50 AM	47.8	43.8
02:10 AM - 02:15 AM	45.1	43.4	04:50 AM - 04:55 AM	47.2	43.1
02:15 AM - 02:20 AM	46.2	43.3	04:55 AM - 05:00 AM	46.8	42.7
02:20 AM - 02:25 AM	47.5	44.3	05:00 AM - 05:05 AM	47.4	42.5
02:25 AM - 02:30 AM	50.7	43.3	05:05 AM - 05:10 AM	48.0	43.1
02:30 AM - 02:35 AM	48.7	44.4	05:10 AM - 05:15 AM	49.8	43.9
02:35 AM - 02:40 AM	48.7	44.6	05:15 AM - 05:20 AM	47.8	44.2
02:40 AM - 02:45 AM	47.3	44.2	05:20 AM - 05:25 AM	48.5	44.6
02:45 AM - 02:50 AM	47.3	44.3	05:25 AM - 05:30 AM	51.4	45.7
02:50 AM - 02:55 AM	48.5	45.2	05:30 AM - 05:35 AM	50.5	46.2
02:55 AM - 03:00 AM	47.4	44.1	05:35 AM - 05:40 AM	51.4	47.4
03:00 AM - 03:05 AM	47.1	44.1	05:40 AM - 05:45 AM	50.2	46.5
03:05 AM - 03:10 AM	53.5	44.7	05:45 AM - 05:50 AM	51.2	47.1
03:10 AM - 03:15 AM	48.0	44.0	05:50 AM - 05:55 AM	52.2	46.8
03:15 AM - 03:20 AM	46.4	44.0	05:55 AM - 06:00 AM	54.5	49.6
03:20 AM - 03:25 AM	45.9	43.1	06:00 AM - 06:05 AM	52.3	47.8
03:25 AM - 03:30 AM	47.1	43.3	06:05 AM - 06:10 AM	54.8	48.1
03:30 AM - 03:35 AM	46.4	42.3	06:10 AM - 06:15 AM	54.0	49.1
03:35 AM - 03:40 AM	46.7	43.2	06:15 AM - 06:20 AM	53.8	49.0
03:40 AM - 03:45 AM	46.5	42.5	06:20 AM - 06:25 AM	54.2	49.6
03:45 AM - 03:50 AM	46.7	43.1	06:25 AM - 06:30 AM	54.7	49.4
03:50 AM - 03:55 AM	45.8	42.9	06:30 AM - 06:35 AM	54.8	49.8
03:55 AM - 04:00 AM	50.8	43.9	06:35 AM - 06:40 AM	55.9	48.8
04:00 AM - 04:05 AM	47.7	43.0	06:40 AM - 06:45 AM	54.3	50.9
04:05 AM - 04:10 AM	45.4	42.4	06:45 AM - 06:50 AM	55.3	51.1
04:10 AM - 04:15 AM	45.2	42.4	06:50 AM - 06:55 AM	55.4	51.6
04:15 AM - 04:20 AM	46.7	42.8	06:55 AM - 07:00 AM	54.5	51.6
04:20 AM - 04:25 AM	45.5	42.9	07:00 AM - 07:05 AM	54.9	50.4
04:25 AM - 04:30 AM	46.1	42.8	07:05 AM - 07:10 AM	56.7	50.5
04:30 AM - 04:35 AM	47.2	42.9	07:10 AM - 07:15 AM	54.7	50.5
04:35 AM - 04:40 AM	47.0	42.8	07:15 AM - 07:20 AM	55.8	51.2



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413663-1

Page 1 of 3

Sample Number : 2291807-11
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่-อ.บ้านค่าย (GPS 47° 07'35.531", 14°02'769")
Measurement Date : Aug 18 - Aug 19, 2022
Measurement by : Sawai Tongpho
Sound Level meter : Serial No. 01122567

Aug 18, 2022	Leq dB(A)	Aug 18, 2022 Time	Leq dB(A)	Aug 18, 2022 Time	Leq dB(A)	Aug 18, 2022 Time	Leq dB(A)	Aug 18, 2022 Time	Leq dB(A)
10:00 AM - 10:05 AM	54.1	48.0	12:40 PM - 12:45 PM	52.6	45.6	03:20 PM - 03:25 PM	53.7	48.0	53.7
10:05 AM - 10:10 AM	52.7	46.9	12:45 PM - 12:50 PM	51.5	47.7	03:25 PM - 03:30 PM	55.3	48.8	55.3
10:10 AM - 10:15 AM	55.7	48.4	12:50 PM - 12:55 PM	55.8	48.0	03:30 PM - 03:35 PM	59.3	48.7	59.3
10:15 AM - 10:20 AM	55.5	46.4	12:55 PM - 01:00 PM	59.9	49.7	03:35 PM - 03:40 PM	62.4	54.0	62.4
10:20 AM - 10:25 AM	63.1	52.0	01:00 PM - 01:05 PM	62.3	48.2	03:40 PM - 03:45 PM	63.0	51.4	63.0
10:25 AM - 10:30 AM	58.3	49.7	01:05 PM - 01:10 PM	63.1	49.6	03:45 PM - 03:50 PM	64.6	53.8	64.6
10:30 AM - 10:35 AM	61.0	48.5	01:10 PM - 01:15 PM	62.2	49.5	03:50 PM - 03:55 PM	59.9	50.0	59.9
10:35 AM - 10:40 AM	59.9	50.8	01:15 PM - 01:20 PM	62.6	48.4	03:55 PM - 04:00 PM	58.6	49.4	58.6
10:40 AM - 10:45 AM	56.3	48.2	01:20 PM - 01:25 PM	54.2	48.5	04:00 PM - 04:05 PM	53.3	47.8	53.3
10:45 AM - 10:50 AM	58.6	48.8	01:25 PM - 01:30 PM	59.1	47.4	04:05 PM - 04:10 PM	52.7	48.4	52.7
10:50 AM - 10:55 AM	56.4	46.5	01:30 PM - 01:35 PM	61.1	47.8	04:10 PM - 04:15 PM	57.1	49.6	57.1
10:55 AM - 11:00 AM	58.1	49.1	01:35 PM - 01:40 PM	60.8	48.0	04:15 PM - 04:20 PM	60.8	53.9	60.8
11:00 AM - 11:05 AM	58.9	49.5	01:40 PM - 01:45 PM	57.3	47.3	04:20 PM - 04:25 PM	59.1	54.0	59.1
11:05 AM - 11:10 AM	54.8	47.7	01:45 PM - 01:50 PM	55.0	46.9	04:25 PM - 04:30 PM	57.4	52.9	57.4
11:10 AM - 11:15 AM	55.2	47.5	01:50 PM - 01:55 PM	51.8	46.8	04:30 PM - 04:35 PM	58.1	53.2	58.1
11:15 AM - 11:20 AM	56.5	48.3	01:55 PM - 02:00 PM	51.8	45.6	04:35 PM - 04:40 PM	55.6	49.3	55.6
11:20 AM - 11:25 AM	55.8	48.1	02:00 PM - 02:05 PM	53.3	47.6	04:40 PM - 04:45 PM	54.5	49.2	54.5
11:25 AM - 11:30 AM	54.7	48.1	02:05 PM - 02:10 PM	57.4	47.4	04:45 PM - 04:50 PM	54.7	50.4	54.7
11:30 AM - 11:35 AM	56.3	47.5	02:10 PM - 02:15 PM	61.1	48.9	04:50 PM - 04:55 PM	55.0	49.9	55.0
11:35 AM - 11:40 AM	58.3	47.3	02:15 PM - 02:20 PM	54.2	49.5	04:55 PM - 05:00 PM	55.4	50.6	55.4
11:40 AM - 11:45 AM	54.8	48.6	02:20 PM - 02:25 PM	57.8	48.4	05:00 PM - 05:05 PM	56.6	53.1	56.6
11:45 AM - 11:50 AM	54.3	50.1	02:25 PM - 02:30 PM	60.2	49.5	05:05 PM - 05:10 PM	56.3	51.3	56.3
11:50 AM - 11:55 AM	56.0	51.8	02:30 PM - 02:35 PM	59.7	50.4	05:10 PM - 05:15 PM	53.8	48.9	53.8
12:00 PM - 12:05 PM	52.8	50.0	02:35 PM - 02:40 PM	57.0	48.3	05:15 PM - 05:20 PM	56.0	50.7	56.0
12:05 PM - 12:10 PM	49.6	45.7	02:40 PM - 02:45 PM	53.9	50.3	05:20 PM - 05:25 PM	54.0	49.9	54.0
12:10 PM - 12:15 PM	50.9	45.3	02:45 PM - 02:50 PM	53.1	47.2	05:25 PM - 05:30 PM	52.4	48.7	52.4
12:15 PM - 12:20 PM	52.3	46.2	02:50 PM - 02:55 PM	53.1	48.9	05:30 PM - 05:35 PM	53.5	49.5	53.5
12:20 PM - 12:25 PM	55.6	46.4	02:55 PM - 03:00 PM	56.6	49.4	05:35 PM - 05:40 PM	54.4	49.1	54.4
12:25 PM - 12:30 PM	57.9	47.9	03:00 PM - 03:05 PM	59.2	49.8	05:40 PM - 05:45 PM	53.7	48.7	53.7
12:30 PM - 12:35 PM	51.5	48.6	03:05 PM - 03:10 PM	61.9	50.3	05:45 PM - 05:50 PM	52.8	48.7	52.8
12:35 PM - 12:40 PM	54.2	46.7	03:10 PM - 03:15 PM	61.2	50.6	05:50 PM - 05:55 PM	54.2	49.3	54.2
			03:15 PM - 03:20 PM	57.3	48.5	05:55 PM - 06:00 PM	55.7	51.5	55.7


Sarayuth Jitranont
Assistant General Manager

Approved by

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413663-1

Page 2 of 3

Sample Number : 2291807-11
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่-อ.บ้านค่าย (GPS 47° 07'35.531", 14°02'769")
Measurement Date : Aug 18 - Aug 19, 2022
Measurement by : Sawai Tongpho
Sound Level meter : Serial No. 01122567

Aug 18, 2022	Leq dB(A)	Aug 18, 2022 Time	Leq dB(A)	Aug 18, 2022 Time	Leq dB(A)	Aug 18, 2022 Time	Leq dB(A)	Aug 18, 2022 Time	Leq dB(A)
06:00 PM - 06:05 PM	54.6	50.4	08:40 PM - 08:45 PM	54.6	45.1	11:20 PM - 11:25 PM	52.1	44.6	52.1
06:05 PM - 06:10 PM	54.7	50.5	08:45 PM - 08:50 PM	50.2	45.1	11:25 PM - 11:30 PM	49.6	43.2	49.6
06:10 PM - 06:15 PM	54.0	51.2	08:50 PM - 08:55 PM	53.8	44.4	11:30 PM - 11:35 PM	51.0	42.9	51.0
06:15 PM - 06:20 PM	54.1	51.1	08:55 PM - 09:00 PM	50.6	44.9	11:35 PM - 11:40 PM	49.4	45.1	49.4
06:20 PM - 06:25 PM	56.1	49.1	09:00 PM - 09:05 PM	53.3	46.2	11:40 PM - 11:45 PM	47.0	43.6	47.0
06:25 PM - 06:30 PM	55.2	50.0	09:05 PM - 09:10 PM	52.4	45.9	11:45 PM - 11:50 PM	50.3	44.2	50.3
06:30 PM - 06:35 PM	55.3	49.6	09:10 PM - 09:15 PM	50.3	45.2	11:50 PM - 11:55 PM	51.6	43.3	51.6
06:35 PM - 06:40 PM	54.3	50.9	09:15 PM - 09:20 PM	53.0	46.0	11:55 PM - 12:00 AM	47.0	43.2	47.0
06:40 PM - 06:45 PM	53.8	50.6	09:20 PM - 09:25 PM	53.8	44.4	12:00 AM - 12:05 AM	54.0	44.0	54.0
06:45 PM - 06:50 PM	53.5	49.4	09:25 PM - 09:30 PM	49.5	43.6	12:05 AM - 12:10 AM	47.9	42.4	47.9
06:50 PM - 06:55 PM	54.8	50.8	09:30 PM - 09:35 PM	50.6	44.8	12:10 AM - 12:15 AM	49.1	42.6	49.1
06:55 PM - 07:00 PM	57.1	52.7	09:35 PM - 09:40 PM	49.2	43.0	12:15 AM - 12:20 AM	47.5	42.0	47.5
07:00 PM - 07:05 PM	55.2	48.8	09:40 PM - 09:45 PM	46.1	43.1	12:20 AM - 12:25 AM	47.8	42.0	47.8
07:05 PM - 07:10 PM	54.8	49.6	09:45 PM - 09:50 PM	54.0	43.9	12:25 AM - 12:30 AM	46.0	42.8	46.0
07:10 PM - 07:15 PM	53.6	48.6	09:50 PM - 09:55 PM	52.6	46.2	12:30 AM - 12:35 AM	45.6	42.5	45.6
07:15 PM - 07:20 PM	56.0	48.0	09:55 PM - 10:00 PM	48.6	43.1	12:35 AM - 12:40 AM	47.1	42.1	47.1
07:20 PM - 07:25 PM	55.2	49.4	10:00 PM - 10:05 PM	49.6	42.8	12:40 AM - 12:45 AM	48.2	42.7	48.2
07:25 PM - 07:30 PM	53.6	49.1	10:05 PM - 10:10 PM	50.9	43.3	12:45 AM - 12:50 AM	44.9	42.4	44.9
07:30 PM - 07:35 PM	52.6	48.2	10:10 PM - 10:15 PM	52.2	43.1	12:50 AM - 12:55 AM	45.5	42.4	45.5
07:35 PM - 07:40 PM	58.0	49.7	10:15 PM - 10:20 PM	50.0	43.2	12:55 AM - 01:00 AM	50.0	41.7	50.0
07:40 PM - 07:45 PM	56.2	50.5	10:20 PM - 10:25 PM	47.9	44.1	01:00 AM - 01:05 AM	45.3	41.1	45.3
07:45 PM - 07:50 PM	59.2	49.2	10:25 PM - 10:30 PM	53.5	44.5	01:05 AM - 01:10 AM	46.1	41.5	46.1
07:50 PM - 07:55 PM	57.7	49.6	10:30 PM - 10:35 PM	50.4	43.0	01:10 AM - 01:15 AM	42.9	41.4	42.9
07:55 PM - 08:00 PM	53.8	48.3	10:35 PM - 10:40 PM	48.8	44.8	01:15 AM - 01:20 AM	46.8	42.5	46.8
08:00 PM - 08:05 PM	58.0	49.7	10:40 PM - 10:45 PM	49.2	44.6	01:20 AM - 01:25 AM	45.9	41.9	45.9
08:05 PM - 08:10 PM	52.3	47.9	10:45 PM - 10:50 PM	48.8	44.4	01:25 AM - 01:30 AM	46.2	42.0	46.2
08:10 PM - 08:15 PM	50.4	46.0	10:50 PM - 10:55 PM	49.3	44.5	01:30 AM - 01:35 AM	44.5	42.1	44.5
08:15 PM - 08:20 PM	53.2	46.4	10:55 PM - 11:00 PM	49.4	45.1	01:35 AM - 01:40 AM	46.8	42.2	46.8
08:20 PM - 08:25 PM	55.0	46.1	11:00 PM - 11:05 PM	50.8	45.4	01:40 AM - 01:45 AM	47.6	42.9	47.6
08:25 PM - 08:30 PM	53.2	46.2	11:05 PM - 11:10 PM	49.5	45.5	01:45 AM - 01:50 AM	46.1	41.6	46.1
08:30 PM - 08:35 PM	54.6	45.8	11:10 PM - 11:15 PM	50.3	45.1	01:50 AM - 01:55 AM	45.4	43.0	45.4
08:35 PM - 08:40 PM	50.9	46.2	11:15 PM - 11:20 PM	49.8	45.4	01:55 AM - 02:00 AM	46.1	43.4	46.1

Approved by


Sarayuth Jitranont
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413663-1

Page 3 of 3

Sample Number : 2291807-11
Parameter : Noise Level (Leq 5 min)
Location : ฐานการปฏิบัติงาน (GPS 47° 07'35.531", 14°02'769")
Measurement Date : Aug 18 - Aug 19, 2022
Measurement by : Sawal Torpho
Sound Level meter : Serial No. 01122567

Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)
02:00 AM - 02:05 AM	46.8	04:40 AM - 04:45 AM	46.8	07:20 AM - 07:25 AM	54.6	10:00 AM - 10:05 AM	55.4	12:40 PM - 12:45 PM	47.3
02:05 AM - 02:10 AM	45.0	04:45 AM - 04:50 AM	46.5	07:25 AM - 07:30 AM	54.6	10:05 AM - 10:10 AM	54.3	12:45 PM - 12:50 PM	47.3
02:10 AM - 02:15 AM	47.4	04:50 AM - 04:55 AM	47.3	07:30 AM - 07:35 AM	54.8	10:10 AM - 10:15 AM	52.5	12:50 PM - 12:55 PM	53.1
02:15 AM - 02:20 AM	45.5	04:55 AM - 05:00 AM	48.4	07:35 AM - 07:40 AM	53.5	10:15 AM - 10:20 AM	51.4	12:55 PM - 01:00 PM	55.1
02:20 AM - 02:25 AM	45.2	05:00 AM - 05:05 AM	46.9	07:40 AM - 07:45 AM	55.8	10:20 AM - 10:25 AM	54.6	01:00 PM - 01:05 PM	53.6
02:25 AM - 02:30 AM	45.5	05:05 AM - 05:10 AM	47.3	07:45 AM - 07:50 AM	55.1	10:25 AM - 10:30 AM	56.8	01:05 PM - 01:10 PM	54.2
02:30 AM - 02:35 AM	46.5	05:10 AM - 05:15 AM	47.5	07:55 AM - 07:55 AM	56.9	10:30 AM - 10:35 AM	53.5	01:10 PM - 01:15 PM	52.8
02:35 AM - 02:40 AM	46.1	05:15 AM - 05:20 AM	49.4	07:55 AM - 08:00 AM	54.2	10:35 AM - 10:40 AM	55.0	01:15 PM - 01:20 PM	54.6
02:40 AM - 02:45 AM	47.1	05:20 AM - 05:25 AM	48.5	08:00 AM - 08:05 AM	54.6	10:40 AM - 10:45 AM	53.7	01:20 PM - 01:25 PM	53.4
02:45 AM - 02:50 AM	44.9	05:25 AM - 05:30 AM	50.4	08:05 AM - 08:10 AM	53.6	10:45 AM - 10:50 AM	54.2	01:25 PM - 01:30 PM	52.3
02:50 AM - 02:55 AM	47.0	05:30 AM - 05:35 AM	49.2	08:10 AM - 08:15 AM	53.3	10:50 AM - 10:55 AM	53.0	01:30 PM - 01:35 PM	53.9
02:55 AM - 03:00 AM	47.9	05:35 AM - 05:40 AM	50.1	08:15 AM - 08:20 AM	54.2	10:55 AM - 11:00 AM	57.3	01:35 PM - 01:40 PM	54.0
03:00 AM - 03:05 AM	46.1	05:40 AM - 05:45 AM	50.4	08:20 AM - 08:25 AM	55.8	11:00 AM - 11:05 AM	54.8	01:40 PM - 01:45 PM	55.2
03:05 AM - 03:10 AM	45.3	05:45 AM - 05:50 AM	51.8	08:25 AM - 08:30 AM	55.2	11:05 AM - 11:10 AM	53.1	01:45 PM - 01:50 PM	54.2
03:10 AM - 03:15 AM	46.3	05:50 AM - 05:55 AM	51.5	08:30 AM - 08:35 AM	56.7	11:10 AM - 11:15 AM	55.2	01:50 PM - 01:55 PM	50.7
03:15 AM - 03:20 AM	46.3	05:55 AM - 06:00 AM	51.8	08:35 AM - 08:40 AM	56.1	11:15 AM - 11:20 AM	53.2	01:55 PM - 02:00 PM	54.1
03:20 AM - 03:25 AM	48.1	06:00 AM - 06:05 AM	53.1	08:40 AM - 08:45 AM	55.0	11:20 AM - 11:25 AM	54.1	02:00 PM - 02:05 PM	52.6
03:25 AM - 03:30 AM	46.9	06:05 AM - 06:10 AM	54.7	08:45 AM - 08:50 AM	57.6	11:25 AM - 11:30 AM	54.9	02:05 PM - 02:10 PM	52.8
03:30 AM - 03:35 AM	44.4	06:10 AM - 06:15 AM	54.7	08:50 AM - 08:55 AM	55.2	11:30 AM - 11:35 AM	57.3	02:10 PM - 02:15 PM	53.6
03:35 AM - 03:40 AM	46.6	06:15 AM - 06:20 AM	53.7	08:55 AM - 09:00 AM	57.8	11:35 AM - 11:40 AM	51.8	02:15 PM - 02:20 PM	53.9
03:40 AM - 03:45 AM	44.7	06:20 AM - 06:25 AM	56.2	09:00 AM - 09:05 AM	54.3	11:40 AM - 11:45 AM	51.1	02:20 PM - 02:25 PM	54.4
03:45 AM - 03:50 AM	47.9	06:25 AM - 06:30 AM	53.7	09:05 AM - 09:10 AM	54.2	11:45 AM - 11:50 AM	53.8	02:25 PM - 02:30 PM	54.3
03:50 AM - 03:55 AM	45.5	06:30 AM - 06:35 AM	54.5	09:10 AM - 09:15 AM	54.0	11:50 AM - 11:55 AM	54.2	02:30 PM - 02:35 PM	53.8
03:55 AM - 04:00 AM	47.9	06:35 AM - 06:40 AM	53.8	09:15 AM - 09:20 AM	53.5	11:55 AM - 12:00 PM	54.5	02:35 PM - 02:40 PM	51.5
04:00 AM - 04:05 AM	46.9	06:40 AM - 06:45 AM	56.2	09:20 AM - 09:25 AM	51.1	12:00 PM - 12:05 PM	53.2	02:40 PM - 02:45 PM	52.0
04:05 AM - 04:10 AM	46.0	06:45 AM - 06:50 AM	54.9	09:25 AM - 09:30 AM	54.9	12:05 PM - 12:10 PM	52.7	02:45 PM - 02:50 PM	53.9
04:10 AM - 04:15 AM	47.7	06:50 AM - 06:55 AM	55.2	09:30 AM - 09:35 AM	56.6	12:10 PM - 12:15 PM	50.7	02:50 PM - 02:55 PM	52.9
04:15 AM - 04:20 AM	45.4	06:55 AM - 07:00 AM	54.6	09:35 AM - 09:40 AM	52.5	12:15 PM - 12:20 PM	51.8	02:55 PM - 03:00 PM	55.5
04:20 AM - 04:25 AM	46.9	07:00 AM - 07:05 AM	54.0	09:40 AM - 09:45 AM	52.7	12:20 PM - 12:25 PM	54.4	03:00 PM - 03:05 PM	53.5
04:25 AM - 04:30 AM	47.2	07:05 AM - 07:10 AM	56.9	09:45 AM - 09:50 AM	55.0	12:25 PM - 12:30 PM	53.7	03:05 PM - 03:10 PM	54.3
04:30 AM - 04:35 AM	47.3	07:10 AM - 07:15 AM	55.3	09:50 AM - 09:55 AM	55.5	12:30 PM - 12:35 PM	52.0	03:10 PM - 03:15 PM	56.9
04:35 AM - 04:40 AM	46.8	07:15 AM - 07:20 AM	55.3	09:55 AM - 10:00 AM	56.0	12:35 PM - 12:40 PM	52.5	03:15 PM - 03:20 PM	53.8

Approved by

Sarayu Jitranont
Assistant General Manager

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Sarayu Jitranont
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413664-1

Page 1 of 3

Sample Number : 2291807-12
Parameter : Noise Level (Leq 5 min)
Location : ฐานการปฏิบัติงาน (GPS 47° 07'35.531", 14°02'769")
Measurement Date : Aug 19 - Aug 20, 2022
Measurement by : Sawal Torpho
Sound Level meter : Serial No. 01122567

Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)
10:00 AM - 10:05 AM	55.4	12:40 PM - 12:45 PM	51.4	03:20 PM - 03:25 PM	55.3	03:20 PM - 03:25 PM	55.3	03:20 PM - 03:25 PM	49.2
10:05 AM - 10:10 AM	54.3	12:45 PM - 12:50 PM	55.4	03:25 PM - 03:30 PM	54.3	03:25 PM - 03:30 PM	54.3	03:25 PM - 03:30 PM	49.1
10:10 AM - 10:15 AM	52.5	12:50 PM - 12:55 PM	53.1	03:30 PM - 03:35 PM	51.6	03:30 PM - 03:35 PM	51.6	03:30 PM - 03:35 PM	48.5
10:15 AM - 10:20 AM	51.4	12:55 PM - 01:00 PM	55.1	03:35 PM - 03:40 PM	52.8	03:35 PM - 03:40 PM	52.8	03:35 PM - 03:40 PM	47.9
10:20 AM - 10:25 AM	54.6	01:00 PM - 01:05 PM	53.6	03:40 PM - 03:45 PM	53.6	03:40 PM - 03:45 PM	53.6	03:40 PM - 03:45 PM	49.0
10:25 AM - 10:30 AM	56.8	01:05 PM - 01:10 PM	54.2	03:45 PM - 03:50 PM	55.0	03:45 PM - 03:50 PM	55.0	03:45 PM - 03:50 PM	49.4
10:30 AM - 10:35 AM	53.5	01:10 PM - 01:15 PM	52.8	03:50 PM - 03:55 PM	53.6	03:50 PM - 03:55 PM	53.6	03:50 PM - 03:55 PM	49.0
10:35 AM - 10:40 AM	55.0	01:15 PM - 01:20 PM	54.6	03:55 PM - 04:00 PM	53.2	03:55 PM - 04:00 PM	53.2	03:55 PM - 04:00 PM	49.1
10:40 AM - 10:45 AM	53.7	01:20 PM - 01:25 PM	53.4	04:00 PM - 04:05 PM	52.8	04:00 PM - 04:05 PM	52.8	04:00 PM - 04:05 PM	48.4
10:45 AM - 10:50 AM	54.2	01:25 PM - 01:30 PM	52.3	04:05 PM - 04:10 PM	55.4	04:05 PM - 04:10 PM	55.4	04:05 PM - 04:10 PM	48.7
10:50 AM - 10:55 AM	53.0	01:30 PM - 01:35 PM	53.9	04:10 PM - 04:15 PM	55.0	04:10 PM - 04:15 PM	55.0	04:10 PM - 04:15 PM	49.9
10:55 AM - 11:00 AM	57.3	01:35 PM - 01:40 PM	54.0	04:15 PM - 04:20 PM	56.6	04:15 PM - 04:20 PM	56.6	04:15 PM - 04:20 PM	50.8
11:00 AM - 11:05 AM	54.8	01:40 PM - 01:45 PM	55.2	04:20 PM - 04:25 PM	57.1	04:20 PM - 04:25 PM	57.1	04:20 PM - 04:25 PM	53.3
11:05 AM - 11:10 AM	53.1	01:45 PM - 01:50 PM	54.2	04:25 PM - 04:30 PM	56.6	04:25 PM - 04:30 PM	56.6	04:25 PM - 04:30 PM	53.4
11:10 AM - 11:15 AM	55.2	01:50 PM - 01:55 PM	50.7	04:30 PM - 04:35 PM	57.1	04:30 PM - 04:35 PM	57.1	04:30 PM - 04:35 PM	52.5
11:15 AM - 11:20 AM	53.2	01:55 PM - 02:00 PM	54.1	04:35 PM - 04:40 PM	56.7	04:35 PM - 04:40 PM	56.7	04:35 PM - 04:40 PM	52.2
11:20 AM - 11:25 AM	54.1	02:00 PM - 02:05 PM	52.6	04:40 PM - 04:45 PM	53.5	04:40 PM - 04:45 PM	53.5	04:40 PM - 04:45 PM	50.7
11:25 AM - 11:30 AM	54.9	02:05 PM - 02:10 PM	52.8	04:45 PM - 04:50 PM	54.8	04:45 PM - 04:50 PM	54.8	04:45 PM - 04:50 PM	51.7
11:30 AM - 11:35 AM	57.3	02:10 PM - 02:15 PM	53.6	04:50 PM - 04:55 PM	55.4	04:50 PM - 04:55 PM	55.4	04:50 PM - 04:55 PM	51.7
11:35 AM - 11:40 AM	51.8	02:15 PM - 02:20 PM	53.9	04:55 PM - 05:00 PM	54.9	04:55 PM - 05:00 PM	54.9	04:55 PM - 05:00 PM	51.8
11:40 AM - 11:45 AM	51.1	02:20 PM - 02:25 PM	54.4	05:00 PM - 05:05 PM	55.2	05:00 PM - 05:05 PM	55.2	05:00 PM - 05:05 PM	51.4
11:45 AM - 11:50 AM	53.8	02:25 PM - 02:30 PM	54.3	05:05 PM - 05:10 PM	54.9	05:05 PM - 05:10 PM	54.9	05:05 PM - 05:10 PM	51.0
11:50 AM - 11:55 AM	54.2	02:30 PM - 02:35 PM	53.8	05:10 PM - 05:15 PM	54.5	05:10 PM - 05:15 PM	54.5	05:10 PM - 05:15 PM	51.0
11:55 AM - 12:00 PM	54.5	02:35 PM - 02:40 PM	51.5	05:15 PM - 05:20 PM	55.2	05:15 PM - 05:20 PM	55.2	05:15 PM - 05:20 PM	51.7
12:00 PM - 12:05 PM	53.2	02:40 PM - 02:45 PM	52.0	05:20 PM - 05:25 PM	55.6	05:20 PM - 05:25 PM	55.6	05:20 PM - 05:25 PM	52.0
12:05 PM - 12:10 PM	52.7	02:45 PM - 02:50 PM	53.9	05:25 PM - 05:30 PM	56.1	05:25 PM - 05:30 PM	56.1	05:25 PM - 05:30 PM	52.1
12:10 PM - 12:15 PM	50.7	02:50 PM - 02:55 PM	52.9	05:30 PM - 05:35 PM	54.2	05:30 PM - 05:35 PM	54.2	05:30 PM - 05:35 PM	51.6
12:15 PM - 12:20 PM	51.8	02:55 PM - 03:00 PM	55.5	05:35 PM - 05:40 PM	55.2	05:35 PM - 05:40 PM	55.2	05:35 PM - 05:40 PM	51.0
12:20 PM - 12:25 PM	54.4	03:00 PM - 03:05 PM	53.5	05:40 PM - 05:45 PM	54.2	05:40 PM - 05:45 PM	54.2	05:40 PM - 05:45 PM	50.7
12:25 PM - 12:30 PM	53.7	03:05 PM - 03:10 PM	54.3	05:45 PM - 05:50 PM	53.1	05:45 PM - 05:50 PM	53.1	05:45 PM - 05:50 PM	50.5
12:30 PM - 12:35 PM	52.0	03:10 PM - 03:15 PM	56.9	05:50 PM - 05:55 PM	53.8	05:50 PM - 05:55 PM	53.8	05:50 PM - 05:55 PM	50.2
12:35 PM - 12:40 PM	52.5	03:15 PM - 03:20 PM	53.8	05:55 PM - 06:00 PM	57.2	05:55 PM - 06:00 PM	57.2	05:55 PM - 06:00 PM	53.2

Approved by

Sarayu Jitranont
Assistant General Manager

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Sarayu Jitranont
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413664-1

Sample Number : 2291807-12
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่-อ.บ้านค่าย (GPS 47° 07'35.531", 140°27'69")
Measurement Date : Aug 19 - Aug 20, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122567

Aug 19, 2022 Time	Leq dB(A)	Aug 19, 2022 Time	Leq dB(A)	Aug 19 - Aug 20, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	54.3	08:40 PM - 08:45 PM	53.1	11:20 PM - 11:25 PM	53.6	45.8
06:05 PM - 06:10 PM	53.9	08:45 PM - 08:50 PM	50.8	11:25 PM - 11:30 PM	52.1	46.5
06:10 PM - 06:15 PM	55.2	08:50 PM - 08:55 PM	52.3	11:30 PM - 11:35 PM	50.5	46.0
06:15 PM - 06:20 PM	56.4	08:55 PM - 09:00 PM	50.4	11:35 PM - 11:40 PM	53.2	46.2
06:20 PM - 06:25 PM	57.2	09:00 PM - 09:05 PM	51.5	11:40 PM - 11:45 PM	49.9	45.8
06:25 PM - 06:30 PM	58.3	09:05 PM - 09:10 PM	52.1	11:45 PM - 11:50 PM	50.0	46.1
06:30 PM - 06:35 PM	56.2	09:10 PM - 09:15 PM	50.8	11:50 PM - 11:55 PM	52.3	45.4
06:35 PM - 06:40 PM	59.5	09:15 PM - 09:20 PM	51.4	11:55 PM - 12:00 AM	50.2	47.9
06:40 PM - 06:45 PM	53.8	09:20 PM - 09:25 PM	51.4	12:00 AM - 12:05 AM	50.8	47.4
06:45 PM - 06:50 PM	53.9	09:25 PM - 09:30 PM	55.3	12:05 AM - 12:10 AM	50.1	47.4
06:50 PM - 06:55 PM	54.6	09:30 PM - 09:35 PM	53.3	12:10 AM - 12:15 AM	51.4	48.0
06:55 PM - 07:00 PM	54.0	09:35 PM - 09:40 PM	52.3	12:15 AM - 12:20 AM	47.8	45.9
07:00 PM - 07:05 PM	56.5	09:40 PM - 09:45 PM	53.9	12:20 AM - 12:25 AM	47.9	45.3
07:05 PM - 07:10 PM	54.2	09:45 PM - 09:50 PM	52.0	12:25 AM - 12:30 AM	48.2	45.8
07:10 PM - 07:15 PM	49.6	09:50 PM - 09:55 PM	53.3	12:30 AM - 12:35 AM	51.7	46.0
07:15 PM - 07:20 PM	54.5	09:55 PM - 10:00 PM	49.9	12:35 AM - 12:40 AM	47.7	45.3
07:20 PM - 07:25 PM	55.7	10:00 PM - 10:05 PM	50.0	12:40 AM - 12:45 AM	49.1	45.5
07:25 PM - 07:30 PM	54.4	10:05 PM - 10:10 PM	52.9	12:45 AM - 12:50 AM	47.3	45.4
07:30 PM - 07:35 PM	53.9	10:10 PM - 10:15 PM	52.3	12:50 AM - 12:55 AM	46.9	44.7
07:35 PM - 07:40 PM	53.6	10:15 PM - 10:20 PM	50.0	12:55 AM - 01:00 AM	47.0	44.5
07:40 PM - 07:45 PM	52.4	10:20 PM - 10:25 PM	53.6	01:00 AM - 01:05 AM	46.1	44.1
07:45 PM - 07:50 PM	53.5	10:25 PM - 10:30 PM	49.5	01:05 AM - 01:10 AM	45.7	44.0
07:50 PM - 07:55 PM	54.4	10:30 PM - 10:35 PM	54.4	01:10 AM - 01:15 AM	51.6	44.1
07:55 PM - 08:00 PM	60.6	10:35 PM - 10:40 PM	49.9	01:15 AM - 01:20 AM	47.6	44.1
08:00 PM - 08:05 PM	60.1	10:40 PM - 10:45 PM	50.2	01:20 AM - 01:25 AM	46.7	44.7
08:05 PM - 08:10 PM	54.8	10:45 PM - 10:50 PM	50.4	01:25 AM - 01:30 AM	47.2	45.2
08:10 PM - 08:15 PM	55.3	10:50 PM - 10:55 PM	49.4	01:30 AM - 01:35 AM	47.5	45.3
08:15 PM - 08:20 PM	55.1	10:55 PM - 11:00 PM	49.9	01:35 AM - 01:40 AM	45.9	45.0
08:20 PM - 08:25 PM	52.9	11:00 PM - 11:05 PM	50.1	01:40 AM - 01:45 AM	47.0	45.0
08:25 PM - 08:30 PM	55.9	11:05 PM - 11:10 PM	49.5	01:45 AM - 01:50 AM	47.3	45.3
08:30 PM - 08:35 PM	58.0	11:10 PM - 11:15 PM	49.2	01:50 AM - 01:55 AM	48.5	44.8
08:35 PM - 08:40 PM	60.7	11:15 PM - 11:20 PM	52.4	01:55 AM - 02:00 AM	48.3	44.8

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Saranyuth Jitrantorn
Assistant General Manager

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413664-1

Sample Number : 2291807-12
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่-อ.บ้านค่าย (GPS 47° 07'35.531", 140°27'69")
Measurement Date : Aug 19 - Aug 20, 2022
Measurement by : Sawai Tongtho
Sound Level meter : Serial No. 01122567

Aug 20, 2022 Time	Leq dB(A)	Aug 20, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	47.2	04:40 AM - 04:45 AM	47.9	45.2
02:05 AM - 02:10 AM	48.4	04:45 AM - 04:50 AM	47.6	44.5
02:10 AM - 02:15 AM	48.5	04:50 AM - 04:55 AM	49.6	45.5
02:15 AM - 02:20 AM	48.8	04:55 AM - 05:00 AM	47.9	45.5
02:20 AM - 02:25 AM	47.9	05:00 AM - 05:05 AM	48.2	45.7
02:25 AM - 02:30 AM	47.1	05:05 AM - 05:10 AM	49.0	45.6
02:30 AM - 02:35 AM	48.3	05:10 AM - 05:15 AM	47.7	45.2
02:35 AM - 02:40 AM	47.8	05:15 AM - 05:20 AM	50.0	45.7
02:40 AM - 02:45 AM	46.4	05:20 AM - 05:25 AM	48.5	45.2
02:45 AM - 02:50 AM	45.7	05:25 AM - 05:30 AM	48.5	45.2
02:50 AM - 02:55 AM	56.9	05:30 AM - 05:35 AM	49.7	46.3
02:55 AM - 03:00 AM	44.3	05:35 AM - 05:40 AM	50.2	46.5
03:00 AM - 03:05 AM	45.1	05:40 AM - 05:45 AM	49.4	45.6
03:05 AM - 03:10 AM	50.8	05:45 AM - 05:50 AM	50.2	45.8
03:10 AM - 03:15 AM	45.5	05:50 AM - 05:55 AM	52.0	47.0
03:15 AM - 03:20 AM	46.7	05:55 AM - 06:00 AM	51.4	47.1
03:20 AM - 03:25 AM	46.1	06:00 AM - 06:05 AM	52.1	47.8
03:25 AM - 03:30 AM	45.7	06:05 AM - 06:10 AM	51.4	46.8
03:30 AM - 03:35 AM	48.0	06:10 AM - 06:15 AM	53.2	49.4
03:35 AM - 03:40 AM	49.8	06:15 AM - 06:20 AM	53.0	49.0
03:40 AM - 03:45 AM	46.1	06:20 AM - 06:25 AM	55.2	50.8
03:45 AM - 03:50 AM	45.9	06:25 AM - 06:30 AM	55.0	50.2
03:50 AM - 03:55 AM	48.8	06:30 AM - 06:35 AM	54.3	50.6
03:55 AM - 04:00 AM	46.7	06:35 AM - 06:40 AM	54.5	50.8
04:00 AM - 04:05 AM	43.4	06:40 AM - 06:45 AM	54.1	50.5
04:05 AM - 04:10 AM	46.8	06:45 AM - 06:50 AM	57.0	51.9
04:10 AM - 04:15 AM	47.8	06:50 AM - 06:55 AM	58.1	50.9
04:15 AM - 04:20 AM	49.7	06:55 AM - 07:00 AM	61.6	53.5
04:20 AM - 04:25 AM	53.4	07:00 AM - 07:05 AM	59.0	50.3
04:25 AM - 04:30 AM	46.4	07:05 AM - 07:10 AM	55.8	51.0
04:30 AM - 04:35 AM	47.7	07:10 AM - 07:15 AM	57.2	50.9
04:35 AM - 04:40 AM	47.4	07:15 AM - 07:20 AM	56.5	51.5

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Saranyuth Jitrantorn
Assistant General Manager

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413665-1

Sample Number : 2291807-13
Parameter : Noise Level (Leq 5 min)
Location : ฐานข้อมูล-วิเคราะห์ (GPS 479 0735531, 1402769)
Measurement Date : Aug 20 - Aug 21, 2022
Measurement by : Sawai Tongpho
Sound Level meter : Serial No. 01122567

Aug 20, 2022	Leq dB(A)	L90 dB(A)	Aug 20, 2022	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	51.3	47.1	12:40 PM - 12:45 PM	51.6	46.8
10:05 AM - 10:10 AM	51.4	45.9	12:45 PM - 12:50 PM	51.0	46.8
10:10 AM - 10:15 AM	50.7	47.5	12:50 PM - 12:55 PM	51.8	45.5
10:15 AM - 10:20 AM	58.2	50.0	12:55 PM - 01:00 PM	54.0	48.0
10:20 AM - 10:25 AM	52.6	48.3	01:00 PM - 01:05 PM	53.0	46.6
10:25 AM - 10:30 AM	52.7	46.8	01:05 PM - 01:10 PM	53.4	46.9
10:30 AM - 10:35 AM	52.3	47.4	01:10 PM - 01:15 PM	56.9	47.0
10:35 AM - 10:40 AM	51.1	47.1	01:15 PM - 01:20 PM	49.4	45.0
10:40 AM - 10:45 AM	52.9	47.0	01:20 PM - 01:25 PM	50.0	45.3
10:45 AM - 10:50 AM	54.1	48.8	01:25 PM - 01:30 PM	50.3	45.0
10:50 AM - 11:00 AM	54.4	46.3	01:30 PM - 01:35 PM	51.2	46.2
11:00 AM - 11:05 AM	55.9	47.8	01:35 PM - 01:40 PM	54.2	49.3
11:05 AM - 11:10 AM	61.4	49.8	01:40 PM - 01:45 PM	51.3	46.0
11:10 AM - 11:15 AM	63.5	49.5	01:45 PM - 01:50 PM	51.3	45.9
11:15 AM - 11:20 AM	60.7	49.4	01:50 PM - 01:55 PM	50.9	46.2
11:20 AM - 11:25 AM	59.6	50.1	01:55 PM - 02:00 PM	52.5	45.5
11:25 AM - 11:30 AM	54.3	47.2	02:00 PM - 02:05 PM	51.8	44.3
11:30 AM - 11:35 AM	53.1	47.4	02:05 PM - 02:10 PM	52.2	46.7
11:35 AM - 11:40 AM	50.3	46.2	02:10 PM - 02:15 PM	51.0	45.2
11:40 AM - 11:45 AM	53.4	48.2	02:15 PM - 02:20 PM	52.8	48.1
11:45 AM - 11:50 AM	53.1	46.0	02:20 PM - 02:25 PM	49.7	44.4
11:50 AM - 11:55 AM	53.7	46.1	02:25 PM - 02:30 PM	53.1	46.3
12:00 PM - 12:05 PM	50.8	46.6	02:30 PM - 02:35 PM	51.2	45.9
12:05 PM - 12:10 PM	50.6	46.9	02:35 PM - 02:40 PM	54.3	46.0
12:10 PM - 12:15 PM	54.1	46.3	02:40 PM - 02:45 PM	50.8	46.6
12:15 PM - 12:20 PM	52.1	47.0	02:45 PM - 02:50 PM	51.0	45.5
12:20 PM - 12:25 PM	51.7	46.2	02:50 PM - 02:55 PM	52.1	45.8
12:25 PM - 12:30 PM	53.4	46.6	02:55 PM - 03:00 PM	54.5	48.6
12:30 PM - 12:35 PM	52.9	45.5	03:00 PM - 03:05 PM	53.6	47.3
12:35 PM - 12:40 AM	51.1	47.5	03:05 PM - 03:10 PM	53.3	45.0
			03:10 PM - 03:15 PM	51.2	45.9
			03:15 PM - 03:20 PM	50.5	45.6

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Approved by

Saranyuth Jitrantorn
Assistant General Manager

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Assistant General Manager

Approved by

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Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413665-1

Sample Number : 2291807-13
Parameter : Noise Level (Leq 5 min)
Location : ฐานข้อมูล-วิเคราะห์ (GPS 479 0735531, 1402769)
Measurement Date : Aug 20 - Aug 21, 2022
Measurement by : Sawai Tongpho
Sound Level meter : Serial No. 01122567

Aug 20, 2022	Leq dB(A)	L90 dB(A)	Aug 20, 2022	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	54.6	49.2	08:40 PM - 08:45 PM	55.1	50.1
06:05 PM - 06:10 PM	57.9	51.8	08:45 PM - 08:50 PM	54.5	49.6
06:10 PM - 06:15 PM	56.0	50.9	08:50 PM - 08:55 PM	55.2	49.7
06:15 PM - 06:20 PM	65.3	50.6	08:55 PM - 09:00 PM	54.2	51.0
06:20 PM - 06:25 PM	54.7	50.8	09:00 PM - 09:05 PM	57.2	51.9
06:25 PM - 06:30 PM	55.7	51.4	09:05 PM - 09:10 PM	55.4	50.4
06:30 PM - 06:35 PM	55.9	51.5	09:10 PM - 09:15 PM	55.9	50.7
06:35 PM - 06:40 PM	53.9	49.8	09:15 PM - 09:20 PM	55.6	48.9
06:40 PM - 06:45 PM	56.6	49.3	09:20 PM - 09:25 PM	53.8	48.8
06:45 PM - 06:50 PM	57.9	50.3	09:25 PM - 09:30 PM	53.0	49.2
06:50 PM - 06:55 PM	59.0	50.3	09:30 PM - 09:35 PM	53.4	48.5
06:55 PM - 07:00 PM	56.0	49.1	09:35 PM - 09:40 PM	52.7	48.7
07:00 PM - 07:05 PM	57.8	51.4	09:40 PM - 09:45 PM	55.8	48.8
07:05 PM - 07:10 PM	57.7	51.3	09:45 PM - 09:50 PM	56.6	49.0
07:10 PM - 07:15 PM	58.5	52.7	09:50 PM - 09:55 PM	53.3	50.0
07:15 PM - 07:20 PM	55.2	50.5	09:55 PM - 10:00 PM	56.0	49.9
07:20 PM - 07:25 PM	54.2	48.9	10:00 PM - 10:05 PM	54.6	48.7
07:25 PM - 07:30 PM	56.6	49.0	10:05 PM - 10:10 PM	52.5	48.2
07:30 PM - 07:35 PM	54.7	50.2	10:10 PM - 10:15 PM	50.6	46.6
07:35 PM - 07:40 PM	57.4	52.0	10:15 PM - 10:20 PM	53.9	45.7
07:40 PM - 07:45 PM	53.8	49.2	10:20 PM - 10:25 PM	52.6	46.3
07:45 PM - 07:50 PM	55.4	49.4	10:25 PM - 10:30 PM	53.0	45.9
07:50 PM - 07:55 PM	52.9	47.9	10:30 PM - 10:35 PM	51.3	47.6
07:55 PM - 08:00 PM	56.3	49.5	10:35 PM - 10:40 PM	51.4	46.4
08:00 PM - 08:05 PM	55.1	50.9	10:40 PM - 10:45 PM	56.7	46.6
08:05 PM - 08:10 PM	55.5	50.9	10:45 PM - 10:50 PM	51.9	45.9
08:10 PM - 08:15 PM	55.2	50.2	10:50 PM - 10:55 PM	51.8	47.5
08:15 PM - 08:20 PM	54.9	51.0	10:55 PM - 11:00 PM	56.5	47.6
08:20 PM - 08:25 PM	54.1	50.4	11:00 PM - 11:05 PM	55.7	47.4
08:25 PM - 08:30 PM	55.1	49.2	11:05 PM - 11:10 PM	50.4	47.1
08:30 PM - 08:35 PM	54.0	48.9	11:10 PM - 11:15 PM	52.0	46.8
08:35 PM - 08:40 PM	57.6	50.1	11:15 PM - 11:20 PM	52.4	48.4

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Saranyuth Jitrantorn
Assistant General Manager

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Saranyuth Jitrantorn
Assistant General Manager

Approved by



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413665-1

Page 3 of 3

Sample Number : 2291807-13
Parameter : Noise Level (Leq 5 min)
Location : ฐานปฏิบัติการวัดเสียง (GPS 47P-0735531, 1402769)
Measurement Date : Aug 20 - Aug 21, 2022
Measurement by : Sawal Torpho
Sound Level meter : Serial No. 01122567

Aug 21, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 21, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	48.9	43.7	04:40 AM - 04:45 AM	46.7	44.2
02:05 AM - 02:10 AM	48.1	44.0	04:45 AM - 04:50 AM	47.3	44.3
02:10 AM - 02:15 AM	48.8	44.6	04:50 AM - 04:55 AM	47.9	44.2
02:15 AM - 02:20 AM	49.4	45.3	04:55 AM - 05:00 AM	48.0	44.3
02:20 AM - 02:25 AM	49.0	45.1	05:00 AM - 05:05 AM	47.4	44.5
02:25 AM - 02:30 AM	55.7	46.6	05:05 AM - 05:10 AM	48.0	44.9
02:30 AM - 02:35 AM	49.3	45.4	05:10 AM - 05:15 AM	48.9	44.5
02:35 AM - 02:40 AM	48.9	45.5	05:15 AM - 05:20 AM	47.8	44.9
02:40 AM - 02:45 AM	47.0	44.0	05:20 AM - 05:25 AM	48.9	45.5
02:45 AM - 02:50 AM	53.1	44.9	05:25 AM - 05:30 AM	49.2	45.9
02:50 AM - 02:55 AM	49.5	44.2	05:30 AM - 05:35 AM	50.8	46.1
02:55 AM - 03:00 AM	47.0	44.3	05:35 AM - 05:40 AM	49.4	45.2
03:00 AM - 03:05 AM	47.8	43.6	05:40 AM - 05:45 AM	48.5	45.7
03:05 AM - 03:10 AM	46.8	43.8	05:45 AM - 05:50 AM	50.5	46.4
03:10 AM - 03:15 AM	50.1	43.1	05:50 AM - 05:55 AM	50.6	46.2
03:15 AM - 03:20 AM	53.8	45.0	05:55 AM - 06:00 AM	51.2	47.0
03:20 AM - 03:25 AM	47.4	44.6	06:00 AM - 06:05 AM	51.6	46.0
03:25 AM - 03:30 AM	48.1	44.9	06:05 AM - 06:10 AM	51.5	45.1
03:30 AM - 03:35 AM	46.8	44.1	06:10 AM - 06:15 AM	52.5	46.9
03:35 AM - 03:40 AM	45.0	43.7	06:15 AM - 06:20 AM	51.4	47.0
03:40 AM - 03:45 AM	46.5	43.0	06:20 AM - 06:25 AM	53.6	48.2
03:45 AM - 03:50 AM	45.8	43.3	06:25 AM - 06:30 AM	52.0	47.5
03:50 AM - 03:55 AM	47.1	43.4	06:30 AM - 06:35 AM	52.9	47.6
03:55 AM - 04:00 AM	45.9	43.4	06:35 AM - 06:40 AM	52.6	48.1
04:00 AM - 04:05 AM	46.9	42.6	06:40 AM - 06:45 AM	58.5	49.6
04:05 AM - 04:10 AM	48.0	43.5	06:45 AM - 06:50 AM	57.0	48.6
04:10 AM - 04:15 AM	46.6	43.6	06:50 AM - 06:55 AM	54.3	50.0
04:15 AM - 04:20 AM	47.5	43.4	06:55 AM - 07:00 AM	56.7	50.6
04:20 AM - 04:25 AM	48.8	43.7	07:00 AM - 07:05 AM	56.1	52.2
04:25 AM - 04:30 AM	47.9	43.7	07:05 AM - 07:10 AM	55.6	51.7
04:30 AM - 04:35 AM	48.7	44.6	07:10 AM - 07:15 AM	56.8	53.3
04:35 AM - 04:40 AM	48.1	44.6	07:15 AM - 07:20 AM	55.3	51.3

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Approved by

Sarayuth Jitrantorn
Assistant General Manager

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413666-1

Page 1 of 3

Sample Number : 2291807-14
Parameter : Noise Level (Leq 5 min)
Location : ฐานปฏิบัติการวัดเสียง (GPS 47P-0735531, 1402769)
Measurement Date : Aug 21 - Aug 22, 2022
Measurement by : Sawal Torpho
Sound Level meter : Serial No. 01122567

Aug 21, 2022 Time	Leq dB(A)	L90 dB(A)	Aug 21, 2022 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	53.2	47.7	12:40 PM - 12:45 PM	58.9	47.5
10:05 AM - 10:10 AM	53.1	46.6	12:45 PM - 12:50 PM	53.4	47.0
10:10 AM - 10:15 AM	53.2	47.5	12:50 PM - 12:55 PM	50.7	46.2
10:15 AM - 10:20 AM	50.7	47.0	12:55 PM - 01:00 PM	51.4	46.2
10:20 AM - 10:25 AM	51.4	46.1	01:00 PM - 01:05 PM	52.9	45.6
10:25 AM - 10:30 AM	52.8	46.7	01:05 PM - 01:10 PM	52.6	46.7
10:30 AM - 10:35 AM	52.9	46.7	01:10 PM - 01:15 PM	51.2	47.7
10:35 AM - 10:40 AM	54.1	46.9	01:15 PM - 01:20 PM	50.4	46.2
10:40 AM - 10:45 AM	50.1	46.3	01:20 PM - 01:25 PM	51.1	47.4
10:45 AM - 10:50 AM	59.1	48.4	01:25 PM - 01:30 PM	51.4	46.3
10:50 AM - 10:55 AM	50.4	46.2	01:30 PM - 01:35 PM	49.7	45.5
10:55 AM - 11:00 AM	52.4	47.9	01:35 PM - 01:40 PM	50.0	44.7
11:00 AM - 11:05 AM	54.2	46.7	01:40 PM - 01:45 PM	53.2	48.2
11:05 AM - 11:10 AM	55.9	47.3	01:45 PM - 01:50 PM	50.4	47.5
11:10 AM - 11:15 AM	51.8	47.1	01:50 PM - 01:55 PM	53.0	47.5
11:15 AM - 11:20 AM	58.0	50.7	01:55 PM - 02:00 PM	51.5	48.7
11:20 AM - 11:25 AM	52.6	47.9	02:00 PM - 02:05 PM	56.0	48.6
11:25 AM - 11:30 AM	52.2	47.7	02:05 PM - 02:10 PM	53.9	48.9
11:30 AM - 11:35 AM	52.7	47.3	02:10 PM - 02:15 PM	52.9	48.1
11:35 AM - 11:40 AM	52.5	46.3	02:15 PM - 02:20 PM	53.8	48.6
11:40 AM - 11:45 AM	51.4	47.2	02:20 PM - 02:25 PM	51.0	46.3
11:45 AM - 11:50 AM	51.6	45.3	02:25 PM - 02:30 PM	51.6	47.1
11:50 AM - 11:55 AM	52.0	46.7	02:30 PM - 02:35 PM	51.0	46.8
11:55 AM - 12:00 PM	51.9	46.0	02:35 PM - 02:40 PM	51.3	46.0
12:00 PM - 12:05 PM	50.3	46.2	02:40 PM - 02:45 PM	53.6	49.1
12:05 PM - 12:10 PM	51.5	46.2	02:45 PM - 02:50 PM	56.8	48.3
12:10 PM - 12:15 PM	50.5	45.9	02:50 PM - 02:55 PM	52.6	48.0
12:15 PM - 12:20 PM	52.3	47.4	02:55 PM - 03:00 PM	52.4	47.5
12:20 PM - 12:25 PM	53.2	45.7	03:00 PM - 03:05 PM	53.0	49.2
12:25 PM - 12:30 PM	50.9	45.1	03:05 PM - 03:10 PM	54.1	48.2
12:30 PM - 12:35 PM	52.6	47.6	03:10 PM - 03:15 PM	53.6	50.0
12:35 PM - 12:40 PM	50.6	45.0	03:15 PM - 03:20 PM	55.5	48.1

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Approved by

Sarayuth Jitrantorn
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413666-1

Page 2 of 3

Sample Number : 2291807-14
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่-อ.บ้านค่าย (GPS 47° 07'35.531", 1402'769")
Measurement Date : Aug 21 - Aug 22, 2022
Measurement by : Sawat Tongtho
Sound Level meter : Serial No. 01122567

Aug 21, 2022 Time	Leq dB(A)	Aug 21, 2022 Time	Leq dB(A)	Aug 21 - Aug 22, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	55.1	08:40 PM - 08:45 PM	57.2	11:20 PM - 11:25 PM	48.5	44.0
06:05 PM - 06:10 PM	55.2	08:45 PM - 08:50 PM	52.3	11:25 PM - 11:30 PM	49.6	44.8
06:10 PM - 06:15 PM	52.1	08:50 PM - 08:55 PM	58.3	11:30 PM - 11:35 PM	52.9	42.9
06:15 PM - 06:20 PM	57.4	08:55 PM - 09:00 PM	56.4	11:35 PM - 11:40 PM	50.6	45.7
06:20 PM - 06:25 PM	55.4	09:00 PM - 09:05 PM	51.2	11:40 PM - 11:45 PM	47.8	44.6
06:25 PM - 06:30 PM	51.9	09:05 PM - 09:10 PM	50.4	11:45 PM - 11:50 PM	48.2	44.0
06:30 PM - 06:35 PM	54.7	09:10 PM - 09:15 PM	51.0	11:50 PM - 11:55 PM	50.1	43.8
06:35 PM - 06:40 PM	54.0	09:15 PM - 09:20 PM	55.3	11:55 PM - 12:00 AM	50.8	45.5
06:40 PM - 06:45 PM	53.9	09:20 PM - 09:25 PM	52.2	12:00 AM - 12:05 AM	50.2	43.6
06:45 PM - 06:50 PM	52.8	09:25 PM - 09:30 PM	53.8	12:05 AM - 12:10 AM	49.2	44.1
06:50 PM - 06:55 PM	52.9	09:30 PM - 09:35 PM	47.8	12:10 AM - 12:15 AM	50.1	45.3
06:55 PM - 07:00 PM	52.6	09:35 PM - 09:40 PM	48.2	12:15 AM - 12:20 AM	49.4	44.1
07:00 PM - 07:05 PM	52.8	09:40 PM - 09:45 PM	50.8	12:20 AM - 12:25 AM	47.9	44.3
07:05 PM - 07:10 PM	55.2	09:45 PM - 09:50 PM	51.3	12:25 AM - 12:30 AM	49.0	44.7
07:10 PM - 07:15 PM	52.1	09:50 PM - 09:55 PM	51.8	12:30 AM - 12:35 AM	48.9	44.5
07:15 PM - 07:20 PM	51.7	09:55 PM - 10:00 PM	52.6	12:35 AM - 12:40 AM	53.9	44.3
07:20 PM - 07:25 PM	52.5	10:00 PM - 10:05 PM	52.1	12:40 AM - 12:45 AM	48.4	45.3
07:25 PM - 07:30 PM	52.2	10:05 PM - 10:10 PM	49.4	12:45 AM - 12:50 AM	52.1	44.8
07:30 PM - 07:35 PM	53.8	10:10 PM - 10:15 PM	50.3	12:50 AM - 12:55 AM	51.0	46.1
07:35 PM - 07:40 PM	56.6	10:15 PM - 10:20 PM	50.2	12:55 AM - 01:00 AM	48.8	44.2
07:40 PM - 07:45 PM	50.1	10:20 PM - 10:25 PM	54.1	01:00 AM - 01:05 AM	47.2	44.5
07:45 PM - 07:50 PM	52.3	10:25 PM - 10:30 PM	56.0	01:05 AM - 01:10 AM	48.2	44.5
07:50 PM - 07:55 PM	56.3	10:30 PM - 10:35 PM	50.9	01:10 AM - 01:15 AM	46.3	43.3
07:55 PM - 08:00 PM	59.2	10:35 PM - 10:40 PM	49.8	01:15 AM - 01:20 AM	47.7	43.8
08:00 PM - 08:05 PM	53.3	10:40 PM - 10:45 PM	54.3	01:20 AM - 01:25 AM	46.8	43.3
08:05 PM - 08:10 PM	59.8	10:45 PM - 10:50 PM	55.1	01:25 AM - 01:30 AM	49.5	43.6
08:10 PM - 08:15 PM	52.2	10:50 PM - 10:55 PM	49.5	01:30 AM - 01:35 AM	47.3	44.0
08:15 PM - 08:20 PM	55.8	10:55 PM - 11:00 PM	51.3	01:35 AM - 01:40 AM	49.0	42.9
08:20 PM - 08:25 PM	50.8	11:00 PM - 11:05 PM	51.8	01:40 AM - 01:45 AM	45.7	43.3
08:25 PM - 08:30 PM	54.9	11:05 PM - 11:10 PM	49.0	01:45 AM - 01:50 AM	51.9	44.2
08:30 PM - 08:35 PM	54.2	11:10 PM - 11:15 PM	52.4	01:50 AM - 01:55 AM	49.2	43.5
08:35 PM - 08:40 PM	53.4	11:15 PM - 11:20 PM	49.9	01:55 AM - 02:00 AM	46.5	43.0

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Saranyuth Jitrantorn
Assistant General Manager



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Analysis / Test Report

Lot ID: 2291807
Date Received : Aug 23, 2022
Date Reported : Aug 29, 2022
Report Number : 2413666-1

Page 3 of 3

Sample Number : 2291807-14
Parameter : Noise Level (Leq 5 min)
Location : ต.บ้านใหม่-อ.บ้านค่าย (GPS 47° 07'35.531", 1402'769")
Measurement Date : Aug 21 - Aug 22, 2022
Measurement by : Sawat Tongtho
Sound Level meter : Serial No. 01122567

Aug 22, 2022 Time	Leq dB(A)	Aug 22, 2022 Time	Leq dB(A)	L90 dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	50.2	04:40 AM - 04:45 AM	45.9	41.4	50.1
02:05 AM - 02:10 AM	48.7	04:45 AM - 04:50 AM	46.4	42.1	50.9
02:10 AM - 02:15 AM	45.3	04:50 AM - 04:55 AM	50.6	42.9	48.6
02:15 AM - 02:20 AM	46.5	04:55 AM - 05:00 AM	46.1	42.1	50.6
02:20 AM - 02:25 AM	45.2	05:00 AM - 05:05 AM	48.6	42.2	50.1
02:25 AM - 02:30 AM	46.0	05:05 AM - 05:10 AM	48.7	43.1	48.8
02:30 AM - 02:35 AM	45.4	05:10 AM - 05:15 AM	50.0	43.1	48.9
02:35 AM - 02:40 AM	48.4	05:15 AM - 05:20 AM	49.2	43.5	49.0
02:40 AM - 02:45 AM	46.2	05:20 AM - 05:25 AM	48.0	42.5	49.1
02:45 AM - 02:50 AM	47.1	05:25 AM - 05:30 AM	51.2	44.5	46.4
02:50 AM - 02:55 AM	42.7	05:30 AM - 05:35 AM	50.1	44.6	46.7
02:55 AM - 03:00 AM	44.2	05:35 AM - 05:40 AM	51.8	45.7	47.4
03:00 AM - 03:05 AM	45.1	05:40 AM - 05:45 AM	50.4	45.0	46.5
03:05 AM - 03:10 AM	46.9	05:45 AM - 05:50 AM	50.7	44.8	47.2
03:10 AM - 03:15 AM	47.0	05:50 AM - 05:55 AM	51.8	46.8	46.9
03:15 AM - 03:20 AM	45.9	05:55 AM - 06:00 AM	53.3	46.7	46.3
03:20 AM - 03:25 AM	48.7	06:00 AM - 06:05 AM	52.1	47.6	47.6
03:25 AM - 03:30 AM	48.2	06:05 AM - 06:10 AM	52.3	47.3	45.8
03:30 AM - 03:35 AM	46.3	06:10 AM - 06:15 AM	53.2	49.4	46.4
03:35 AM - 03:40 AM	48.6	06:15 AM - 06:20 AM	53.4	48.0	46.5
03:40 AM - 03:45 AM	45.1	06:20 AM - 06:25 AM	55.0	49.5	55.0
03:45 AM - 03:50 AM	45.3	06:25 AM - 06:30 AM	55.2	48.2	47.4
03:50 AM - 03:55 AM	46.7	06:30 AM - 06:35 AM	53.8	50.6	45.7
03:55 AM - 04:00 AM	48.9	06:35 AM - 06:40 AM	54.2	48.9	46.7
04:00 AM - 04:05 AM	47.2	06:40 AM - 06:45 AM	54.6	50.6	45.5
04:05 AM - 04:10 AM	47.4	06:45 AM - 06:50 AM	54.4	50.6	50.3
04:10 AM - 04:15 AM	49.6	06:50 AM - 06:55 AM	53.6	49.4	49.6
04:15 AM - 04:20 AM	48.6	06:55 AM - 07:00 AM	54.0	49.7	47.9
04:20 AM - 04:25 AM	46.2	07:00 AM - 07:05 AM	55.6	50.0	48.4
04:25 AM - 04:30 AM	50.6	07:05 AM - 07:10 AM	53.7	49.9	47.0
04:30 AM - 04:35 AM	45.0	07:10 AM - 07:15 AM	54.7	50.1	48.6
04:35 AM - 04:40 AM	45.1	07:15 AM - 07:20 AM	54.2	50.4	49.2

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Approved by

Saranyuth Jitrantorn
Assistant General Manager



TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413838-1

Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Page 1 of 1

Sample Number	2291805-1
Parameter	Noise (Leq 24 hrs.)
Location	หน้าห้องครัวบ้านพักพนักงานโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date	Aug 15 - Aug 16, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.5	71.1	64.3
11:00 AM - 12:00 PM	65.7	71.2	64.7
12:00 PM - 01:00 PM	65.2	69.1	64.5
01:00 PM - 02:00 PM	65.6	74.0	64.6
02:00 PM - 03:00 PM	65.8	70.0	64.9
03:00 PM - 04:00 PM	65.9	72.2	64.8
04:00 PM - 05:00 PM	65.7	69.5	65.1
05:00 PM - 06:00 PM	66.0	70.2	65.0
06:00 PM - 07:00 PM	66.0	70.2	65.0
07:00 PM - 08:00 PM	65.3	68.8	64.5
08:00 PM - 09:00 PM	65.1	75.9	64.4
09:00 PM - 10:00 PM	65.7	75.5	64.9
10:00 PM - 11:00 PM	65.5	69.2	64.8
11:00 PM - 12:00 AM	66.0	70.7	65.2
12:00 AM - 01:00 AM	66.0	70.5	65.1
01:00 AM - 02:00 AM	66.3	69.7	65.4
02:00 AM - 03:00 AM	66.1	75.7	65.2
03:00 AM - 04:00 AM	67.0	71.6	65.9
04:00 AM - 05:00 AM	67.1	73.8	65.8
05:00 AM - 06:00 AM	66.9	71.7	65.7
06:00 AM - 07:00 AM	66.0	70.2	65.1
07:00 AM - 08:00 AM	65.7	70.5	64.9
08:00 AM - 09:00 AM	65.3	74.6	64.3
09:00 AM - 10:00 AM	65.1	83.5	64.0

Leq Average 24 hrs. (dB(A))	65.9
Lmax (dB(A))	83.5
L90 (dB(A))	64.9
Ldn (dB(A))	72.7
Standard (dB(A))	70

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
โรงงาน พ.ศ. 2548

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

Technical Management

Thanitak.

Thantita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413838-1

Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Page 1 of 1

Sample Number	2291805-2
Parameter	Noise (Leq 24 hrs.)
Location	หน้าห้องครัวบ้านพักพนักงานโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date	Aug 16 - Aug 17, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.6	84.8	64.1
11:00 AM - 12:00 PM	66.9	72.9	65.3
12:00 PM - 01:00 PM	65.8	73.0	64.7
01:00 PM - 02:00 PM	65.9	76.3	64.9
02:00 PM - 03:00 PM	65.7	84.2	64.6
03:00 PM - 04:00 PM	65.9	75.4	64.7
04:00 PM - 05:00 PM	65.8	72.4	64.9
05:00 PM - 06:00 PM	66.0	76.0	65.1
06:00 PM - 07:00 PM	66.0	70.0	65.1
07:00 PM - 08:00 PM	66.0	70.7	65.1
08:00 PM - 09:00 PM	65.8	70.9	64.9
09:00 PM - 10:00 PM	65.0	69.6	64.3
10:00 PM - 11:00 PM	64.9	73.6	64.3
11:00 PM - 12:00 AM	65.0	70.1	64.3
12:00 AM - 01:00 AM	66.1	74.2	64.8
01:00 AM - 02:00 AM	66.0	74.9	64.9
02:00 AM - 03:00 AM	65.5	73.8	64.5
03:00 AM - 04:00 AM	65.6	69.4	64.7
04:00 AM - 05:00 AM	65.9	70.2	64.9
05:00 AM - 06:00 AM	65.9	72.6	64.7
06:00 AM - 07:00 AM	65.5	70.0	64.6
07:00 AM - 08:00 AM	65.9	72.6	64.8
08:00 AM - 09:00 AM	65.5	77.1	64.3
09:00 AM - 10:00 AM	65.1	69.8	64.2

Leq Average 24 hrs. (dB(A))	65.7
Lmax (dB(A))	84.8
L90 (dB(A))	64.7
Ldn (dB(A))	72.0
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
โรงงาน พ.ศ. 2548

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

Technical Management

Thanitak.

Thantita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413840-1

Page 1 of 1



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Sample Number
2291805-3

Parameter
Noise (Leq 24 hrs.)

Location
หน้าอาคารสำนักงานเขตพัฒนาอ่าวไทย (GPS 47P 0734090, 1404555)

Measurement Date
Aug 17 - Aug 18, 2022

Measurement by
Sawal Tonpho

Sound Level meter
Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.4	70.2	64.5
11:00 AM - 12:00 PM	65.3	70.8	64.4
12:00 PM - 01:00 PM	65.5	70.2	64.6
01:00 PM - 02:00 PM	68.4	93.0	64.3
02:00 PM - 03:00 PM	65.6	77.1	64.4
03:00 PM - 04:00 PM	65.5	74.4	64.5
04:00 PM - 05:00 PM	65.2	69.2	64.3
05:00 PM - 06:00 PM	65.3	69.1	64.5
06:00 PM - 07:00 PM	65.4	75.1	64.2
07:00 PM - 08:00 PM	65.7	71.7	64.7
08:00 PM - 09:00 PM	65.8	69.9	64.6
09:00 PM - 10:00 PM	65.4	74.4	64.4
10:00 PM - 11:00 PM	65.6	70.0	64.7
11:00 PM - 12:00 AM	65.8	70.4	64.7
12:00 AM - 01:00 AM	65.8	71.8	64.6
01:00 AM - 02:00 AM	65.6	72.6	64.7
02:00 AM - 03:00 AM	65.6	71.3	64.6
03:00 AM - 04:00 AM	65.2	71.9	64.3
04:00 AM - 05:00 AM	65.2	75.3	64.4
05:00 AM - 06:00 AM	65.9	70.5	64.9
06:00 AM - 07:00 AM	66.1	69.9	65.1
07:00 AM - 08:00 AM	65.9	71.1	64.8
08:00 AM - 09:00 AM	65.7	72.4	64.7
09:00 AM - 10:00 AM	65.4	70.8	64.4
Leq Average 24 hrs. (dB(A))	65.7		
Lmax (dB(A))	93.0		
L90 (dB(A))	64.5		
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) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
พ.ศ. 2548

Remark :

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

Technical Management

Thanitak.

Thanita Kulnirong
Scientist (4)

Approved by

Supt S.

Supt Salamtah
Section Head

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TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413841-1

Page 1 of 1



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Sample Number
2291805-4

Parameter
Noise (Leq 24 hrs.)

Location
หน้าอาคารสำนักงานเขตพัฒนาอ่าวไทย (GPS 47P 0734090, 1404555)

Measurement Date
Aug 18 - Aug 19, 2022

Measurement by
Sawal Tonpho

Sound Level meter
Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.9	79.9	64.9
11:00 AM - 12:00 PM	66.3	78.0	65.2
12:00 PM - 01:00 PM	66.5	73.4	65.3
01:00 PM - 02:00 PM	65.6	80.5	64.7
02:00 PM - 03:00 PM	66.9	84.1	65.7
03:00 PM - 04:00 PM	66.3	78.7	65.2
04:00 PM - 05:00 PM	65.8	75.9	65.0
05:00 PM - 06:00 PM	65.7	75.6	64.6
06:00 PM - 07:00 PM	65.5	72.1	64.4
07:00 PM - 08:00 PM	65.8	70.1	64.7
08:00 PM - 09:00 PM	66.1	73.1	65.0
09:00 PM - 10:00 PM	65.9	71.0	65.0
10:00 PM - 11:00 PM	66.3	73.9	65.4
11:00 PM - 12:00 AM	65.9	74.7	64.9
12:00 AM - 01:00 AM	65.6	72.8	64.6
01:00 AM - 02:00 AM	65.5	72.1	64.6
02:00 AM - 03:00 AM	65.7	70.0	64.6
03:00 AM - 04:00 AM	65.4	77.5	64.4
04:00 AM - 05:00 AM	65.3	70.6	64.5
05:00 AM - 06:00 AM	65.4	69.7	64.5
06:00 AM - 07:00 AM	65.5	69.5	64.5
07:00 AM - 08:00 AM	65.6	77.9	64.5
08:00 AM - 09:00 AM	65.2	73.6	64.3
09:00 AM - 10:00 AM	65.5	72.0	64.4
Leq Average 24 hrs. (dB(A))	65.8		
Lmax (dB(A))	84.1		
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) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
พ.ศ. 2548

Remark :

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

Technical Management

Thanitak.

Thanita Kulnirong
Scientist (4)

Approved by

Supt S.

Supt Salamtah
Section Head

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TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413842-1

Page 1 of 1



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

2291805-5

Noise (Leq 24 hrs.)

หน้าวัดระดับเสียงตามสิ่งแวดล้อมโรงงาน (GPS 47P 0734090, 1404555)

Aug 19 - Aug 20, 2022

Sawal Tonpho

Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	70.4	98.5	64.6
11:00 AM - 12:00 PM	65.4	69.5	64.5
12:00 PM - 01:00 PM	65.4	77.0	64.3
01:00 PM - 02:00 PM	65.5	72.2	64.7
02:00 PM - 03:00 PM	66.6	72.8	65.1
03:00 PM - 04:00 PM	65.5	75.2	64.5
04:00 PM - 05:00 PM	65.7	72.3	64.9
05:00 PM - 06:00 PM	65.6	69.9	64.7
06:00 PM - 07:00 PM	65.5	70.4	64.4
07:00 PM - 08:00 PM	65.6	74.1	64.6
08:00 PM - 09:00 PM	65.8	72.5	64.7
09:00 PM - 10:00 PM	65.3	75.9	64.2
10:00 PM - 11:00 PM	65.5	69.4	64.6
11:00 PM - 12:00 AM	65.7	75.4	64.9
12:00 AM - 01:00 AM	66.0	70.4	65.1
01:00 AM - 02:00 AM	66.5	73.2	65.4
02:00 AM - 03:00 AM	66.8	71.4	65.6
03:00 AM - 04:00 AM	65.7	72.6	64.8
04:00 AM - 05:00 AM	65.4	74.5	64.5
05:00 AM - 06:00 AM	65.4	84.7	64.1
06:00 AM - 07:00 AM	65.8	69.5	64.9
07:00 AM - 08:00 AM	65.3	70.0	64.4
08:00 AM - 09:00 AM	65.1	74.3	64.2
09:00 AM - 10:00 AM	66.3	92.9	64.1

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป

2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน

โรงงาน พ.ศ. 2548

Remark :

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

Technical Management

Tharitak.

Tharitak Kulsurwong

Scientist (4)

Supot Salamtah

Section Head

Approved by

Supot S.

Supot Salamtah

Section Head

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TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413843-1

Page 1 of 1



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

2291805-6

Noise (Leq 24 hrs.)

หน้าวัดระดับเสียงตามสิ่งแวดล้อมโรงงาน (GPS 47P 0734090, 1404555)

Aug 20 - Aug 21, 2022

Sawal Tonpho

Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.1	78.5	64.1
11:00 AM - 12:00 PM	65.6	73.7	64.6
12:00 PM - 01:00 PM	65.8	75.9	64.9
01:00 PM - 02:00 PM	65.8	72.9	64.6
02:00 PM - 03:00 PM	65.2	83.4	64.1
03:00 PM - 04:00 PM	67.0	73.7	65.7
04:00 PM - 05:00 PM	66.6	71.6	65.6
05:00 PM - 06:00 PM	66.0	75.6	65.0
06:00 PM - 07:00 PM	66.0	72.1	64.9
07:00 PM - 08:00 PM	65.8	73.4	64.7
08:00 PM - 09:00 PM	65.2	69.9	64.4
09:00 PM - 10:00 PM	65.4	69.1	64.6
10:00 PM - 11:00 PM	65.7	69.4	64.9
11:00 PM - 12:00 AM	65.6	70.8	64.7
12:00 AM - 01:00 AM	64.9	70.0	64.2
01:00 AM - 02:00 AM	65.9	70.6	65.1
02:00 AM - 03:00 AM	65.9	75.3	64.8
03:00 AM - 04:00 AM	66.1	74.8	64.8
04:00 AM - 05:00 AM	65.8	76.2	64.8
05:00 AM - 06:00 AM	65.5	75.8	64.6
06:00 AM - 07:00 AM	65.6	71.9	64.6
07:00 AM - 08:00 AM	65.5	71.1	64.6
08:00 AM - 09:00 AM	65.5	69.2	64.5
09:00 AM - 10:00 AM	65.4	84.1	64.5

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป

2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน

โรงงาน พ.ศ. 2548

Remark :

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

Technical Management

Tharitak.

Tharitak Kulsurwong

Scientist (4)

Supot Salamtah

Section Head

Approved by

Supot S.

Supot Salamtah

Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413844-1

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Page 1 of 1

Sample Number	2291805-7
Parameter	Noise (Leq 24 hrs.)
Location	ท่าเรือรับเข้าท่าเทียบเรือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date	Aug 21 - Aug 22, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	70.1	91.2	64.5
11:00 AM - 12:00 PM	65.5	70.1	64.5
12:00 PM - 01:00 PM	65.3	74.3	64.4
01:00 PM - 02:00 PM	66.0	73.0	64.9
02:00 PM - 03:00 PM	66.3	73.3	65.1
03:00 PM - 04:00 PM	66.2	78.6	65.1
04:00 PM - 05:00 PM	65.6	80.4	65.6
05:00 PM - 06:00 PM	66.0	71.2	65.0
06:00 PM - 07:00 PM	65.7	70.3	64.7
07:00 PM - 08:00 PM	65.3	75.0	64.1
08:00 PM - 09:00 PM	65.6	72.2	64.5
09:00 PM - 10:00 PM	65.7	71.7	64.5
10:00 PM - 11:00 PM	65.6	77.0	64.4
11:00 PM - 12:00 AM	65.5	69.7	64.4
12:00 AM - 01:00 AM	65.3	70.1	64.4
01:00 AM - 02:00 AM	65.3	69.0	64.4
02:00 AM - 03:00 AM	65.6	69.8	64.4
03:00 AM - 04:00 AM	65.2	71.8	64.3
04:00 AM - 05:00 AM	65.3	70.6	64.3
05:00 AM - 06:00 AM	65.7	69.5	64.7
06:00 AM - 07:00 AM	65.2	69.2	64.4
07:00 AM - 08:00 AM	64.9	73.5	64.3
08:00 AM - 09:00 AM	65.3	73.9	64.4
09:00 AM - 10:00 AM	65.6	71.2	64.5

Leq Average 24 hrs. (dB(A)) 65.9

Lmax (dB(A)) 91.2
L90 (dB(A)) 64.4
Ldn (dB(A)) 71.9

Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
โรงงาน พ.ศ. 2548

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

Technical Management

Thanitak.

Thaniita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413845-1

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Page 1 of 1

Sample Number	2291805-8
Parameter	Noise (Leq 24 hrs.)
Location	ท่าเรือรับเข้าท่าเทียบเรือของโรงงาน (GPS 47P 0735038, 1405843)
Measurement Date	Aug 15 - Aug 16, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.7	75.7	50.6
11:00 AM - 12:00 PM	53.3	72.3	49.9
12:00 PM - 01:00 PM	53.2	71.9	50.1
01:00 PM - 02:00 PM	51.8	65.3	49.5
02:00 PM - 03:00 PM	50.9	67.8	48.6
03:00 PM - 04:00 PM	51.2	74.1	48.8
04:00 PM - 05:00 PM	54.1	77.6	50.6
05:00 PM - 06:00 PM	52.9	72.9	50.2
06:00 PM - 07:00 PM	51.2	65.3	49.1
07:00 PM - 08:00 PM	57.8	73.6	56.6
08:00 PM - 09:00 PM	64.1	76.3	63.5
09:00 PM - 10:00 PM	64.2	70.4	63.2
10:00 PM - 11:00 PM	62.4	69.0	61.7
11:00 PM - 12:00 AM	53.5	59.5	52.6
12:00 AM - 01:00 AM	52.2	68.0	50.9
01:00 AM - 02:00 AM	50.6	61.5	49.8
02:00 AM - 03:00 AM	51.3	65.8	50.4
03:00 AM - 04:00 AM	52.2	64.4	51.3
04:00 AM - 05:00 AM	50.6	68.8	49.4
05:00 AM - 06:00 AM	53.3	64.9	51.6
06:00 AM - 07:00 AM	52.4	63.8	50.6
07:00 AM - 08:00 AM	52.6	66.9	50.3
08:00 AM - 09:00 AM	53.1	77.5	49.7
09:00 AM - 10:00 AM	51.9	73.3	49.0

Leq Average 24 hrs. (dB(A)) 56.6

Lmax (dB(A)) 77.6
L90 (dB(A)) 50.3
Ldn (dB(A)) 62.0

Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
โรงงาน พ.ศ. 2548

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

Technical Management

Thanitak.

Thaniita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413846-1

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_Pe (SPE)

Page 1 of 1

Sample Number	2291805-9
Parameter	Noise (Leq 24 hrs.)
Location	ถนนวิภาวดีรังสิต (GPS 47P 0735038, 1405843)
Measurement Date	Aug 16 - Aug 17, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.2	74.6	49.2
11:00 AM - 12:00 PM	53.6	71.5	50.3
12:00 PM - 01:00 PM	55.5	80.3	50.9
01:00 PM - 02:00 PM	52.3	74.5	49.4
02:00 PM - 03:00 PM	53.6	69.3	50.3
03:00 PM - 04:00 PM	51.7	76.7	48.8
04:00 PM - 05:00 PM	53.7	68.2	51.1
05:00 PM - 06:00 PM	53.3	69.5	50.3
06:00 PM - 07:00 PM	53.8	81.5	49.7
07:00 PM - 08:00 PM	56.3	94.9	49.2
08:00 PM - 09:00 PM	53.0	67.7	50.3
09:00 PM - 10:00 PM	57.1	69.8	52.9
10:00 PM - 11:00 PM	62.2	72.5	52.4
11:00 PM - 12:00 AM	65.2	73.8	55.6
12:00 AM - 01:00 AM	66.2	73.9	58.7
01:00 AM - 02:00 AM	65.1	74.1	51.5
02:00 AM - 03:00 AM	63.4	73.7	50.2
03:00 AM - 04:00 AM	55.7	77.0	50.2
04:00 AM - 05:00 AM	51.2	69.3	51.2
05:00 AM - 06:00 AM	51.9	66.3	49.5
06:00 AM - 07:00 AM	54.5	73.7	51.7
07:00 AM - 08:00 AM	54.5	72.1	51.8
08:00 AM - 09:00 AM	55.8	78.9	51.8
09:00 AM - 10:00 AM	53.8	67.2	50.7
Leq Average 24 hrs. (dB(A))	59.1		
Lmax (dB(A))	94.9		
L90 (dB(A))			50.3
Ldn (dB(A))	68.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงรบกวน และระดับเสียงที่เฝ้าระวังการรบกวนสุขภาพ
พ.ศ. 2548

Remark :

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

Technical Management

Thanitak.

Thantita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413847-1

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_Pe (SPE)

Page 1 of 1

Sample Number	2291805-10
Parameter	Noise (Leq 24 hrs.)
Location	ถนนวิภาวดีรังสิต (GPS 47P 0735038, 1405843)
Measurement Date	Aug 17 - Aug 18, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.2	64.7	49.6
11:00 AM - 12:00 PM	52.6	65.6	49.9
12:00 PM - 01:00 PM	53.6	71.3	50.2
01:00 PM - 02:00 PM	54.3	72.4	51.0
02:00 PM - 03:00 PM	55.0	72.8	50.9
03:00 PM - 04:00 PM	54.7	72.6	50.5
04:00 PM - 05:00 PM	54.6	70.7	51.6
05:00 PM - 06:00 PM	53.9	77.4	51.0
06:00 PM - 07:00 PM	52.3	71.0	49.8
07:00 PM - 08:00 PM	51.7	67.3	49.4
08:00 PM - 09:00 PM	54.0	68.5	51.6
09:00 PM - 10:00 PM	57.4	69.3	52.7
10:00 PM - 11:00 PM	64.4	73.6	53.0
11:00 PM - 12:00 AM	61.2	73.6	50.5
12:00 AM - 01:00 AM	53.4	69.3	50.7
01:00 AM - 02:00 AM	52.5	69.0	50.0
02:00 AM - 03:00 AM	51.6	61.4	50.0
03:00 AM - 04:00 AM	51.5	76.3	47.2
04:00 AM - 05:00 AM	48.9	62.2	47.0
05:00 AM - 06:00 AM	51.8	64.9	48.0
06:00 AM - 07:00 AM	52.6	76.0	50.6
07:00 AM - 08:00 AM	53.3	69.9	50.9
08:00 AM - 09:00 AM	52.9	77.2	49.8
09:00 AM - 10:00 AM	52.5	71.3	49.6
Leq Average 24 hrs. (dB(A))	55.7		
Lmax (dB(A))	77.4		
L90 (dB(A))			50.2
Ldn (dB(A))	63.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงรบกวน และระดับเสียงที่เฝ้าระวังการรบกวนสุขภาพ
พ.ศ. 2548

Remark :

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

Technical Management

Thanitak.

Thantita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413848-1

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Page 1 of 1

Sample Number	2291805-11
Parameter	Noise (Leq 24 hrs.)
Location	ถนนลำพูน (GPS 47P 0735038, 1405843)
Measurement Date	Aug 18 - Aug 19, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.5	71.6	48.9
11:00 AM - 12:00 PM	51.6	69.5	48.7
12:00 PM - 01:00 PM	52.9	75.8	50.5
01:00 PM - 02:00 PM	54.7	79.6	48.7
02:00 PM - 03:00 PM	49.7	68.8	46.7
03:00 PM - 04:00 PM	50.8	68.9	47.4
04:00 PM - 05:00 PM	53.5	69.3	50.1
05:00 PM - 06:00 PM	52.4	71.4	48.9
06:00 PM - 07:00 PM	52.0	71.9	48.8
07:00 PM - 08:00 PM	51.7	73.0	48.7
08:00 PM - 09:00 PM	51.5	69.4	48.3
09:00 PM - 10:00 PM	51.8	68.9	49.8
10:00 PM - 11:00 PM	52.8	66.6	51.6
11:00 PM - 12:00 AM	50.0	62.5	47.9
12:00 AM - 01:00 AM	48.6	57.0	47.0
01:00 AM - 02:00 AM	52.1	58.9	51.2
02:00 AM - 03:00 AM	52.1	58.9	51.1
03:00 AM - 04:00 AM	49.0	74.7	46.4
04:00 AM - 05:00 AM	47.6	59.3	46.4
05:00 AM - 06:00 AM	51.4	81.8	48.0
06:00 AM - 07:00 AM	53.1	78.2	50.4
07:00 AM - 08:00 AM	53.4	67.6	50.5
08:00 AM - 09:00 AM	52.5	75.3	49.4
09:00 AM - 10:00 AM	51.0	63.8	48.3

Leq Average 24 hrs. (dB(A)) 51.9

Lmax (dB(A)) 81.8
L90 (dB(A)) 48.7
Ldn (dB(A))

Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
พ.ศ. 2548

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

Technical Management

Thanitak.

Thantita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413849-1

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Page 1 of 1

Sample Number	2291805-12
Parameter	Noise (Leq 24 hrs.)
Location	ถนนลำพูน (GPS 47P 0735038, 1405843)
Measurement Date	Aug 19 - Aug 20, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.3	75.3	50.5
11:00 AM - 12:00 PM	52.2	71.6	49.0
12:00 PM - 01:00 PM	53.2	73.0	49.5
01:00 PM - 02:00 PM	53.3	77.2	49.9
02:00 PM - 03:00 PM	52.9	69.4	50.1
03:00 PM - 04:00 PM	50.9	69.3	48.6
04:00 PM - 05:00 PM	51.8	73.8	49.2
05:00 PM - 06:00 PM	52.3	74.3	49.1
06:00 PM - 07:00 PM	51.9	65.3	49.2
07:00 PM - 08:00 PM	56.4	76.7	51.4
08:00 PM - 09:00 PM	51.9	68.2	49.0
09:00 PM - 10:00 PM	54.5	67.7	51.6
10:00 PM - 11:00 PM	58.1	70.9	51.9
11:00 PM - 12:00 AM	55.5	76.0	48.0
12:00 AM - 01:00 AM	51.2	67.6	50.7
01:00 AM - 02:00 AM	51.2	65.8	48.5
02:00 AM - 03:00 AM	50.4	74.4	47.3
03:00 AM - 04:00 AM	48.3	61.5	46.9
04:00 AM - 05:00 AM	49.5	64.1	47.3
05:00 AM - 06:00 AM	52.2	72.6	49.4
06:00 AM - 07:00 AM	51.3	63.1	49.9
07:00 AM - 08:00 AM	52.2	65.4	50.5
08:00 AM - 09:00 AM	50.9	67.5	49.2
09:00 AM - 10:00 AM	51.2	67.1	48.8

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

Lmax (dB(A)) 77.2
L90 (dB(A)) 49.2
Ldn (dB(A))

Standard (dB(A)) 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
พ.ศ. 2548

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

Technical Management

Thanitak.

Thantita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413850-1

Page 1 of 1



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_Pe (SPE)

Sample Number	2291805-13
Parameter	Noise (Leq 24 hrs.)
Location	ถนนเลี้ยว (GPS 47P 0735038, 1405843)
Measurement Date	Aug 20 - Aug 21, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.6	63.5	49.8
11:00 AM - 12:00 PM	57.1	94.6	50.0
12:00 PM - 01:00 PM	54.3	71.4	50.0
01:00 PM - 02:00 PM	53.6	72.5	49.7
02:00 PM - 03:00 PM	51.7	71.3	48.5
03:00 PM - 04:00 PM	52.9	69.6	50.3
04:00 PM - 05:00 PM	52.8	78.6	49.1
05:00 PM - 06:00 PM	51.9	71.6	47.8
06:00 PM - 07:00 PM	53.2	79.3	48.4
07:00 PM - 08:00 PM	52.1	72.7	48.0
08:00 PM - 09:00 PM	49.2	63.8	47.4
09:00 PM - 10:00 PM	51.8	69.1	48.8
10:00 PM - 11:00 PM	52.4	64.9	49.6
11:00 PM - 12:00 AM	53.4	71.1	49.2
12:00 AM - 01:00 AM	52.4	66.2	50.2
01:00 AM - 02:00 AM	54.4	67.0	50.9
02:00 AM - 03:00 AM	51.8	70.7	49.2
03:00 AM - 04:00 AM	52.7	67.5	50.9
04:00 AM - 05:00 AM	51.3	67.7	50.1
05:00 AM - 06:00 AM	50.3	68.5	49.1
06:00 AM - 07:00 AM	53.1	65.5	52.0
07:00 AM - 08:00 AM	54.3	62.6	52.9
08:00 AM - 09:00 AM	56.7	73.3	55.4
09:00 AM - 10:00 AM	53.3	77.3	50.0
Leq Average 24 hrs. (dB(A))	53.2		
Lmax (dB(A))	94.6		
L90 (dB(A))			49.7
Ldn (dB(A))	59.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยการรบกวน
พ.ศ. 2548

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

Technical Management

Thanitak.

Thaniita Kulnirong
Scientist (4)

Approved by

Supt S.

Supt Salamtah
Section Head

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Analysis / Test Report

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413851-1

Page 1 of 1



Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_Pe (SPE)

Sample Number	2291805-14
Parameter	Noise (Leq 24 hrs.)
Location	ถนนเลี้ยว (GPS 47P 0735038, 1405843)
Measurement Date	Aug 21 - Aug 22, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.3	68.7	60.5
11:00 AM - 12:00 PM	53.4	61.2	52.6
12:00 PM - 01:00 PM	53.5	78.0	50.3
01:00 PM - 02:00 PM	53.4	67.9	50.2
02:00 PM - 03:00 PM	52.3	74.2	49.7
03:00 PM - 04:00 PM	55.0	78.6	51.8
04:00 PM - 05:00 PM	52.6	68.0	49.7
05:00 PM - 06:00 PM	53.9	67.1	50.7
06:00 PM - 07:00 PM	51.5	68.8	48.8
07:00 PM - 08:00 PM	54.3	76.4	53.1
08:00 PM - 09:00 PM	59.4	67.2	58.0
09:00 PM - 10:00 PM	54.5	81.2	50.1
10:00 PM - 11:00 PM	54.3	71.8	51.5
11:00 PM - 12:00 AM	52.6	63.5	50.0
12:00 AM - 01:00 AM	51.5	61.1	49.9
01:00 AM - 02:00 AM	51.6	64.6	47.3
02:00 AM - 03:00 AM	48.8	63.8	47.1
03:00 AM - 04:00 AM	52.9	81.5	49.2
04:00 AM - 05:00 AM	51.4	67.5	48.7
05:00 AM - 06:00 AM	50.2	75.0	48.6
06:00 AM - 07:00 AM	50.3	68.5	48.5
07:00 AM - 08:00 AM	51.4	70.8	47.8
08:00 AM - 09:00 AM	52.0	73.9	49.3
09:00 AM - 10:00 AM	54.2	76.9	50.1
Leq Average 24 hrs. (dB(A))	54.3		
Lmax (dB(A))	81.5		
L90 (dB(A))			49.9
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) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยการรบกวน
พ.ศ. 2548

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

Technical Management

Thanitak.

Thaniita Kulnirong
Scientist (4)

Approved by

Supt S.

Supt Salamtah
Section Head

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TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413852-1

Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_Pe (SPE)

Page 1 of 1

Sample Number	2291805-15
Parameter	Noise (Leq 24 hrs.)
Location	ถนนกาญจนาภิเษก (GPS 47P 0735531, 1402769)
Measurement Date	Aug 15 - Aug 16, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.9	77.2	47.8
11:00 AM - 12:00 PM	51.2	68.2	46.3
12:00 PM - 01:00 PM	56.8	72.9	48.0
01:00 PM - 02:00 PM	60.5	74.6	50.2
02:00 PM - 03:00 PM	59.6	73.4	51.9
03:00 PM - 04:00 PM	59.1	80.3	50.9
04:00 PM - 05:00 PM	59.6	80.6	50.9
05:00 PM - 06:00 PM	58.3	79.4	51.1
06:00 PM - 07:00 PM	54.6	73.8	49.7
07:00 PM - 08:00 PM	56.2	73.3	53.4
08:00 PM - 09:00 PM	61.5	74.4	60.1
09:00 PM - 10:00 PM	62.9	72.9	57.9
10:00 PM - 11:00 PM	57.7	69.9	56.4
11:00 PM - 12:00 AM	50.2	73.6	46.2
12:00 AM - 01:00 AM	46.4	64.5	43.4
01:00 AM - 02:00 AM	45.8	65.4	42.7
02:00 AM - 03:00 AM	48.1	61.8	42.8
03:00 AM - 04:00 AM	53.9	66.3	43.0
04:00 AM - 05:00 AM	59.6	66.9	53.6
05:00 AM - 06:00 AM	56.0	74.3	45.4
06:00 AM - 07:00 AM	51.9	70.6	47.4
07:00 AM - 08:00 AM	54.2	76.1	47.7
08:00 AM - 09:00 AM	58.5	71.8	48.0
09:00 AM - 10:00 AM	59.7	78.7	51.8

Leq Average 24 hrs. (dB(A))	57.4
Lmax (dB(A))	80.6
L90 (dB(A))	48.0
Ldn (dB(A))	61.8
Standard (dB(A))	70

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยการรบกวน
พ.ศ. 2548

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

Technical Management

Thanitak.

Thaniita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supt Salamtah
Section Head

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TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413853-1

Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_Pe (SPE)

Page 1 of 1

Sample Number	2291805-16
Parameter	Noise (Leq 24 hrs.)
Location	ถนนกาญจนาภิเษก (GPS 47P 0735531, 1402769)
Measurement Date	Aug 16 - Aug 17, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.2	83.4	48.5
11:00 AM - 12:00 PM	55.2	76.3	49.7
12:00 PM - 01:00 PM	55.4	78.0	48.6
01:00 PM - 02:00 PM	58.7	76.3	51.8
02:00 PM - 03:00 PM	57.1	79.4	48.8
03:00 PM - 04:00 PM	57.7	79.5	49.0
04:00 PM - 05:00 PM	57.5	79.9	51.7
05:00 PM - 06:00 PM	55.9	77.7	51.3
06:00 PM - 07:00 PM	56.9	80.5	50.0
07:00 PM - 08:00 PM	54.1	79.3	48.9
08:00 PM - 09:00 PM	54.1	81.6	48.6
09:00 PM - 10:00 PM	54.1	81.6	48.5
10:00 PM - 11:00 PM	53.6	82.1	46.9
11:00 PM - 12:00 AM	51.5	77.7	46.1
12:00 AM - 01:00 AM	50.3	72.4	44.3
01:00 AM - 02:00 AM	50.5	80.7	43.8
02:00 AM - 03:00 AM	49.4	77.0	43.8
03:00 AM - 04:00 AM	53.7	76.3	45.3
04:00 AM - 05:00 AM	52.6	68.5	45.5
05:00 AM - 06:00 AM	52.7	76.9	47.1
06:00 AM - 07:00 AM	55.8	76.5	51.2
07:00 AM - 08:00 AM	55.5	72.5	50.9
08:00 AM - 09:00 AM	57.3	80.9	50.2
09:00 AM - 10:00 AM	57.8	79.0	50.4

Leq Average 24 hrs. (dB(A))	55.5
Lmax (dB(A))	83.4
L90 (dB(A))	48.6
Ldn (dB(A))	59.9
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยการรบกวน
พ.ศ. 2548

Remark :
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Technical Management

Thanitak.

Thaniita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supt Salamtah
Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413854-1

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_Pe (SPE)

Page 1 of 1

Sample Number	2291805-17
Parameter	Noise (Leq 24 hrs.)
Location	ถนนสายถนน-อรัญสภ (GPS 47P 0735531, 1402769)
Measurement Date	Aug 17 - Aug 18, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.8	77.6	48.6
11:00 AM - 12:00 PM	56.8	76.7	49.9
12:00 PM - 01:00 PM	53.7	77.0	48.4
01:00 PM - 02:00 PM	55.1	72.9	47.8
02:00 PM - 03:00 PM	57.4	81.5	50.0
03:00 PM - 04:00 PM	56.3	78.4	50.0
04:00 PM - 05:00 PM	57.5	75.2	52.7
05:00 PM - 06:00 PM	55.3	78.7	51.0
06:00 PM - 07:00 PM	55.2	78.4	49.9
07:00 PM - 08:00 PM	56.2	75.8	52.3
08:00 PM - 09:00 PM	54.6	80.9	48.3
09:00 PM - 10:00 PM	54.0	78.3	48.6
10:00 PM - 11:00 PM	53.6	75.5	48.1
11:00 PM - 12:00 AM	51.1	76.2	45.2
12:00 AM - 01:00 AM	50.3	79.0	43.0
01:00 AM - 02:00 AM	49.2	80.4	42.9
02:00 AM - 03:00 AM	47.7	66.0	44.0
03:00 AM - 04:00 AM	48.3	73.1	43.5
04:00 AM - 05:00 AM	46.6	62.7	42.9
05:00 AM - 06:00 AM	50.7	69.4	46.1
06:00 AM - 07:00 AM	54.6	73.4	49.9
07:00 AM - 08:00 AM	56.0	74.6	50.4
08:00 AM - 09:00 AM	58.4	73.9	51.5
09:00 AM - 10:00 AM	58.2	75.8	50.1

Leq Average 24 hrs. (dB(A)) 54.9

Lmax (dB(A)) 81.5
L90 (dB(A)) 48.6
Ldn (dB(A))

Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
พ.ศ. 2548

Remark :

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Technical Management

Thanitak.

Thaniha Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413855-1

Client : Siam Polyethylene Co., Ltd.

8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Page 1 of 1

Sample Number	2291805-18
Parameter	Noise (Leq 24 hrs.)
Location	ถนนสายถนน-อรัญสภ (GPS 47P 0735531, 1402769)
Measurement Date	Aug 18 - Aug 19, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.4	75.3	48.9
11:00 AM - 12:00 PM	56.2	76.3	46.9
12:00 PM - 01:00 PM	54.8	74.2	47.6
01:00 PM - 02:00 PM	60.0	78.0	48.0
02:00 PM - 03:00 PM	57.3	72.6	48.9
03:00 PM - 04:00 PM	60.7	79.7	50.7
04:00 PM - 05:00 PM	56.8	72.8	51.3
05:00 PM - 06:00 PM	54.7	70.5	50.2
06:00 PM - 07:00 PM	54.9	76.8	50.6
07:00 PM - 08:00 PM	55.9	81.3	49.1
08:00 PM - 09:00 PM	53.7	79.4	46.4
09:00 PM - 10:00 PM	51.7	70.9	44.8
10:00 PM - 11:00 PM	50.3	72.9	44.0
11:00 PM - 12:00 AM	50.1	71.1	44.4
12:00 AM - 01:00 AM	48.8	73.1	42.5
01:00 AM - 02:00 AM	46.0	68.6	42.2
02:00 AM - 03:00 AM	46.4	64.1	43.6
03:00 AM - 04:00 AM	46.5	62.2	43.0
04:00 AM - 05:00 AM	47.0	64.8	43.5
05:00 AM - 06:00 AM	49.9	64.6	45.8
06:00 AM - 07:00 AM	54.7	73.3	50.2
07:00 AM - 08:00 AM	55.2	74.8	50.3
08:00 AM - 09:00 AM	55.6	78.9	49.2
09:00 AM - 10:00 AM	54.4	70.6	48.3

Leq Average 24 hrs. (dB(A)) 55.1

Lmax (dB(A)) 81.3
L90 (dB(A)) 48.0
Ldn (dB(A))

Standard (dB(A)) 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
พ.ศ. 2548

Remark :

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

Technical Management

Thanitak.

Thaniha Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtah
Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413856-1

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Page 1 of 1

Sample Number	2291805-19
Parameter	Noise (Leq 24 hrs.)
Location	ถนนกาญจนาภิเษก (GPS 47P 0735531, 1402769)
Measurement Date	Aug 19 - Aug 20, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.6	74.5	47.1
11:00 AM - 12:00 PM	54.3	70.7	48.7
12:00 PM - 01:00 PM	53.2	78.7	48.4
01:00 PM - 02:00 PM	53.7	73.7	48.7
02:00 PM - 03:00 PM	53.6	76.8	48.1
03:00 PM - 04:00 PM	54.2	74.8	48.9
04:00 PM - 05:00 PM	55.7	73.4	51.5
05:00 PM - 06:00 PM	55.1	72.3	51.4
06:00 PM - 07:00 PM	56.0	77.6	51.1
07:00 PM - 08:00 PM	55.4	72.6	50.1
08:00 PM - 09:00 PM	56.3	83.4	50.7
09:00 PM - 10:00 PM	52.5	74.1	47.1
10:00 PM - 11:00 PM	51.4	72.3	46.6
11:00 PM - 12:00 AM	51.3	74.9	46.3
12:00 AM - 01:00 AM	49.2	68.6	46.1
01:00 AM - 02:00 AM	47.8	74.7	44.7
02:00 AM - 03:00 AM	49.6	80.5	44.3
03:00 AM - 04:00 AM	47.5	70.3	43.7
04:00 AM - 05:00 AM	48.7	73.5	44.7
05:00 AM - 06:00 AM	49.7	69.7	46.0
06:00 AM - 07:00 AM	56.0	74.1	50.5
07:00 AM - 08:00 AM	56.1	78.6	49.9
08:00 AM - 09:00 AM	56.3	81.3	49.0
09:00 AM - 10:00 AM	58.4	74.7	51.3

Leq Average 24 hrs. (dB(A)) 54.1

Lmax (dB(A)) 83.4
L90 (dB(A)) 48.4
Ldn (dB(A))

Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
พ.ศ. 2548

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

Technical Management

Thanitak.

Thaniita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supt Salamtah
Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2291805

Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413857-1

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Page 1 of 1

Sample Number	2291805-20
Parameter	Noise (Leq 24 hrs.)
Location	ถนนกาญจนาภิเษก (GPS 47P 0735531, 1402769)
Measurement Date	Aug 20 - Aug 21, 2022
Measurement by	Sawal Tonpho
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.5	69.9	47.6
11:00 AM - 12:00 PM	57.9	75.5	46.1
12:00 PM - 01:00 PM	52.3	74.9	46.7
01:00 PM - 02:00 PM	52.6	76.9	46.4
02:00 PM - 03:00 PM	52.3	72.4	46.3
03:00 PM - 04:00 PM	52.1	68.9	46.6
04:00 PM - 05:00 PM	54.6	74.3	49.5
05:00 PM - 06:00 PM	54.6	71.6	50.1
06:00 PM - 07:00 PM	58.4	85.9	50.5
07:00 PM - 08:00 PM	56.2	78.4	50.4
08:00 PM - 09:00 PM	55.1	75.9	50.2
09:00 PM - 10:00 PM	55.1	74.4	49.7
10:00 PM - 11:00 PM	53.5	77.1	47.0
11:00 PM - 12:00 AM	52.5	74.1	47.2
12:00 AM - 01:00 AM	53.9	84.1	45.6
01:00 AM - 02:00 AM	51.0	73.8	45.5
02:00 AM - 03:00 AM	50.4	75.4	44.9
03:00 AM - 04:00 AM	48.4	70.9	43.9
04:00 AM - 05:00 AM	47.8	64.1	43.9
05:00 AM - 06:00 AM	49.4	63.7	45.6
06:00 AM - 07:00 AM	54.4	76.8	48.2
07:00 AM - 08:00 AM	57.5	80.5	51.2
08:00 AM - 09:00 AM	53.7	76.3	46.6
09:00 AM - 10:00 AM	52.3	73.3	47.0

Leq Average 24 hrs. (dB(A)) 54.1

Lmax (dB(A)) 85.9
L90 (dB(A)) 47.0
Ldn (dB(A))

Standard (dB(A)) 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ปลอดภัยต่อการรบกวน
พ.ศ. 2548

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

Technical Management

Thanitak.

Thaniita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supt Salamtah
Section Head

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 451263056, 451263050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_P2 (SPE)

TESTING
Lot ID: 2291805
Date Received : Aug 23, 2022
Date Reported : Aug 26, 2022
Report Number: 2413858-1

Page 1 of 1

Sample Number	2291805-21		
Parameter	Noise (Leq 24 hrs.)		
Location	ถนนสายจากทาง-บ้านไร่สีสุก (GPS 47P 0735531, 1402769)		
Measurement Date	Aug 21 - Aug 22, 2022		
Measurement by	Sawal Tonpho		
Sound Level meter	Serial No. 1122567		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.6	80.0	47.1
11:00 AM - 12:00 PM	53.6	76.9	47.4
12:00 PM - 01:00 PM	53.0	75.9	46.4
01:00 PM - 02:00 PM	51.6	71.0	47.0
02:00 PM - 03:00 PM	53.5	78.2	48.0
03:00 PM - 04:00 PM	56.2	77.8	49.7
04:00 PM - 05:00 PM	54.4	72.8	49.8
05:00 PM - 06:00 PM	55.2	78.2	49.9
06:00 PM - 07:00 PM	54.3	79.0	48.7
07:00 PM - 08:00 PM	54.5	79.0	47.9
08:00 PM - 09:00 PM	55.7	80.1	47.0
09:00 PM - 10:00 PM	51.8	78.0	45.3
10:00 PM - 11:00 PM	52.5	79.5	45.0
11:00 PM - 12:00 AM	50.4	69.9	44.8
12:00 AM - 01:00 AM	50.3	73.3	44.7
01:00 AM - 02:00 AM	48.3	74.9	43.7
02:00 AM - 03:00 AM	47.1	67.2	42.7
03:00 AM - 04:00 AM	47.1	70.1	42.1
04:00 AM - 05:00 AM	47.8	64.8	41.7
05:00 AM - 06:00 AM	50.6	76.1	44.6
06:00 AM - 07:00 AM	53.9	77.6	49.3
07:00 AM - 08:00 AM	54.3	70.4	49.8
08:00 AM - 09:00 AM	51.7	73.2	47.0
09:00 AM - 10:00 AM	54.1	75.1	47.7

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

Thanitak.

Thanita Kulsurirong
Scientist (4)

Approved by

Supot Salamtich
Section Head

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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 : 451263056,451263050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2291802

Date Received : Aug 17, 2022

Date Reported : Aug 18, 2022

Report Number: 2385983-1

Page 1 of 1

Sample Number 2291802-1

Parameter Noise (Leq 8 hrs.)

Location Solvent Recovery Unit 1

Measurement Date Aug 16, 2022

Measurement by Sawal Tonpho

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:50 AM - 09:50 AM	86.4	88.2	85.9
09:50 AM - 10:50 AM	86.7	90.7	85.9
10:50 AM - 11:50 AM	86.5	88.7	85.8
11:50 AM - 12:50 PM	85.7	88.3	85.0
12:50 PM - 01:50 PM	85.5	87.9	84.8
01:50 PM - 02:50 PM	85.8	89.1	85.0
02:50 PM - 03:50 PM	85.7	88.2	84.9
03:50 PM - 04:50 PM	85.6	88.1	84.8

Leq Average 8 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการวัดและเครื่องมือวัดเสียง

Turnaroundsผลการรายงานเกี่ยวกับความสอดคล้องในค่าพิกัดงาน พ.ศ.๒๕๖๖

Technical Management

Thanitak.

Thantita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtich
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 : 451263056,451263050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2291802

Date Received : Aug 17, 2022

Date Reported : Aug 18, 2022

Report Number: 2385983-2

Page 1 of 1

Sample Number 2291802-2

Parameter Noise (Leq 8 hrs.)

Location Solvent Recovery Unit 2

Measurement Date Aug 16, 2022

Measurement by Sawal Tonpho

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	83.9	86.2	83.6
10:00 AM - 11:00 AM	84.1	86.2	83.7
11:00 AM - 12:00 PM	84.0	85.4	83.6
12:00 PM - 01:00 PM	83.9	85.4	83.6
01:00 PM - 02:00 PM	83.8	84.8	83.5
02:00 PM - 03:00 PM	83.7	84.7	83.4
03:00 PM - 04:00 PM	83.7	85.3	83.4
04:00 PM - 05:00 PM	83.9	85.2	83.6

Leq Average 8 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการวัดและเครื่องมือวัดเสียง

Turnaroundsผลการรายงานเกี่ยวกับความสอดคล้องในค่าพิกัดงาน พ.ศ.๒๕๖๖

Technical Management

Thanitak.

Thantita Kulsurwong
Scientist (4)

Approved by

Supt S.

Supot Salamtich
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 : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 22119570
Date Received : Nov 22, 2022
Date Reported : Nov 25, 2022
Report Number: 2502501-1

Page 1 of 1

Sample Number	22119570-1
Parameter	Noise (Leq 8 hrs.)
Location	Solvent Recovery Unit 1
Measurement Date	Nov 22, 2022
Measurement by	Suddamrong Chokpitthan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:35 AM - 09:35 AM	87.2	99.0	85.7
09:35 AM - 10:35 AM	87.1	101.6	85.5
10:35 AM - 11:35 AM	86.2	89.7	84.9
11:35 AM - 12:35 PM	86.3	90.5	85.0
12:35 PM - 01:35 PM	86.8	92.3	85.5
01:35 PM - 02:35 PM	86.6	89.8	85.6
02:35 PM - 03:35 PM	87.0	90.4	85.9
03:35 PM - 04:35 PM	87.0	90.8	85.9
Leq Average 8 hrs. (dB(A))	86.8		
Lmax (dB(A))	101.6		

Standard (dB(A)) 90
Reference Method : ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการควบคุมความดังเสียง
ในการประกอบกิจการโรงงานเกี่ยวกับสถานะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Thanitak.

Technical Management

Approved by

Supt S.

Thaniita Kulsurivong
Scientist (4)

Supt Salamtich
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 : 4512635056,4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 22119570
Date Received : Nov 22, 2022
Date Reported : Nov 25, 2022
Report Number: 2502502-1

Page 1 of 1

Sample Number	22119570-2
Parameter	Noise (Leq 8 hrs.)
Location	Solvent Recovery Unit 2
Measurement Date	Nov 22, 2022
Measurement by	Suddamrong Chokpitthan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:40 AM - 10:40 AM	84.7	92.0	84.0
10:40 AM - 11:40 AM	84.5	95.4	83.8
11:40 AM - 12:40 PM	84.6	87.2	83.9
12:40 PM - 01:40 PM	84.7	87.6	84.0
01:40 PM - 02:40 PM	84.9	92.8	84.3
02:40 PM - 03:40 PM	85.0	89.0	84.5
03:40 PM - 04:40 PM	85.1	90.4	84.6
04:40 PM - 05:40 PM	85.3	93.0	84.8
Leq Average 8 hrs. (dB(A))	84.9		
Lmax (dB(A))	95.4		
Standard (dB(A))	90		

Reference Method : ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการควบคุมความดังเสียง
ในการประกอบกิจการโรงงานเกี่ยวกับสถานะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Thanitak.

Technical Management

Approved by

Supt S.

Thaniita Kulsurivong
Scientist (4)

Supt Salamtich
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 : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2291804

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2414420-1

Page 1 of 1

Sample Number 2291804-1

Parameter Octave band

Location Solvent Recovery Unit 1

Measurement Date Aug 16, 2022

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
08:50 AM - 09:50 AM	86.4	20.9	45.9	53.9	63.2	68.4	82.5	80.2	81.2	72.5	62.7
09:50 AM - 10:50 AM	86.7	20.2	44.6	52.8	62.3	68.0	83.9	78.9	80.8	72.7	62.9
10:50 AM - 11:50 AM	86.5	19.5	44.1	52.5	62.1	67.9	83.9	79.3	79.7	72.8	63.0
11:50 AM - 12:50 PM	85.7	19.5	44.1	52.6	62.0	67.8	82.2	79.4	79.5	72.9	62.9
12:50 PM - 01:50 PM	85.5	19.6	44.3	52.7	62.1	67.9	82.3	79.1	78.8	73.2	63.0
01:50 PM - 02:50 PM	85.8	19.5	44.6	52.9	62.4	68.0	83.1	78.3	79.0	73.2	63.0
02:50 PM - 03:50 PM	85.7	19.7	44.5	53.5	64.8	68.1	82.9	78.7	78.9	73.2	63.0
03:50 PM - 04:50 PM	85.6	19.5	44.5	53.7	64.5	68.2	82.5	79.0	79.0	72.8	62.9
Average		86.0	19.8	44.6	53.1	63.1	83.0	79.2	79.7	72.9	62.9

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalerthamrong
Scientist (4)

Approved by

Supt S.

Supot Salameh
Section Head

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S: Reports_Air Noise_Octave band pdf (429PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2291804

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2414421-1

Page 1 of 1

Sample Number 2291804-2

Parameter Octave band

Location Solvent Recovery Unit 2

Measurement Date Aug 16, 2022

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
09:00 AM - 10:00 AM	83.9	24.5	45.2	51.7	65.4	69.4	74.6	79.8	79.1	73.8	65.5
10:00 AM - 11:00 AM	84.1	24.8	45.1	51.6	65.3	69.4	74.7	79.7	79.9	73.6	65.4
11:00 AM - 12:00 PM	84.0	24.7	44.9	51.3	65.2	69.3	74.6	79.9	79.6	73.2	65.6
12:00 PM - 01:00 PM	83.9	25.9	44.9	51.4	65.2	69.1	74.5	79.8	79.4	73.2	65.5
01:00 PM - 02:00 PM	83.8	26.2	45.0	51.5	65.2	69.3	74.5	79.7	79.1	73.4	65.5
02:00 PM - 03:00 PM	83.7	26.3	45.0	51.6	65.3	69.3	74.3	79.4	79.0	73.8	65.5
03:00 PM - 04:00 PM	83.7	26.2	45.0	51.6	65.5	69.3	74.5	79.5	78.9	73.7	65.5
04:00 PM - 05:00 PM	83.9	25.7	45.1	51.6	65.4	69.4	74.5	80.0	79.1	73.6	65.5
Average		83.9	25.6	45.0	51.5	65.3	74.5	79.7	79.3	73.6	65.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalerthamrong
Scientist (4)

Approved by

Supt S.

Supot Salameh
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 : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 22119571

Date Received : Nov 23, 2022

Date Reported : Dec 01, 2022

Report Number : 2508176-1

Page 1 of 1

Sample Number 22119571-1

Parameter Octave band

Location Solvent Recovery Unit 1

Measurement Date Nov 22, 2022

Measurement By Suddamrong Chokpitinan

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
08:35 AM - 09:35 AM	87.2	20.5	45.1	52.5	61.6	68.1	82.3	78.3	84.0	73.7	64.2
09:35 AM - 10:35 AM	87.1	20.3	45.0	52.4	61.3	67.6	81.8	78.1	84.4	72.7	63.2
10:35 AM - 11:35 AM	86.2	20.2	44.8	52.1	61.2	67.2	81.9	77.1	82.8	71.6	61.3
11:35 AM - 12:35 PM	86.3	20.2	44.7	52.0	61.1	67.2	82.6	77.2	82.3	71.6	61.3
12:35 PM - 01:35 PM	86.8	20.6	45.0	52.4	61.4	67.6	83.1	77.6	83.0	71.9	62.1
01:35 PM - 02:35 PM	86.6	21.1	45.4	52.9	61.8	68.0	82.0	77.9	83.4	72.1	62.3
02:35 PM - 03:35 PM	87.0	21.3	45.3	52.9	62.0	68.2	81.8	78.3	84.1	72.0	62.2
03:35 PM - 04:35 PM	87.0	21.2	45.7	53.4	62.3	68.4	83.0	78.9	83.0	71.9	61.2
Average	86.8	20.7	45.1	52.6	61.6	67.8	82.3	78.0	83.4	72.3	62.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalerthamrong
Scientist (4)

Approved by

Supt S.

Supot Salameh
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 : 4512635056,4512635050

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 22119571

Date Received : Nov 23, 2022

Date Reported : Dec 01, 2022

Report Number : 2508177-1

Page 1 of 1

Sample Number 22119571-2

Parameter Octave band

Location Solvent Recovery Unit 2

Measurement Date Nov 22, 2022

Measurement By Suddamrong Chokpitinan

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
09:40 AM - 10:40 AM	84.7	25.7	44.5	54.0	66.1	68.8	78.4	79.1	79.9	74.6	67.7
10:40 AM - 11:40 AM	84.5	25.4	44.3	53.7	65.8	68.6	78.9	78.6	79.5	74.3	67.4
11:40 AM - 12:40 PM	84.6	25.7	44.4	53.4	65.8	68.8	79.7	78.6	79.0	74.0	67.1
12:40 PM - 01:40 PM	84.7	25.5	44.3	53.3	65.6	68.9	80.2	78.7	78.8	74.2	67.4
01:40 PM - 02:40 PM	84.9	26.1	44.9	54.1	66.4	69.2	79.6	79.1	79.6	74.7	67.9
02:40 PM - 03:40 PM	85.0	26.5	45.2	54.5	66.8	69.5	78.9	79.4	79.9	75.1	68.1
03:40 PM - 04:40 PM	85.1	26.9	45.3	54.5	67.2	69.4	79.1	79.5	79.8	75.0	68.2
04:40 PM - 05:40 PM	85.3	27.1	45.6	54.7	67.3	69.7	79.5	79.6	80.3	75.2	68.4
Average	84.8	26.1	44.8	54.0	66.4	69.1	79.3	79.1	79.6	74.6	67.8

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalerthamrong
Scientist (4)

Approved by

Supt S.

Supot Salameh
Section Head

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ภาคผนวก ค-8

ระดับเสียงสะสมที่ตัวบุคคล (Noise Dose)

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

- ๑ ข้าพเจ้า (นาย/นาง/นางสาว) ดร.ณัฐกษณ์ ฌายีเนตร นายจ้าง/ผู้มีอำนาจกระทำการแทน
- ๒ ชื่อสถานประกอบกิจการ บริษัท สยามโพลีเอททีลีน จำกัด
- เลขทะเบียนนิติบุคคล 0105538145319
- ประกอบกิจการ เม็ดพลาสติกโพลีเอททีลีน
- | | | | | | | | |
|----------------|--------------------|-----------|--------------------|----------------|--------------|--------------|--------------------------------------|
| ตั้งอยู่เลขที่ | <u>8/1</u> | หมู่ที่ | <u>-</u> | ตรอก/ซอย | <u>-</u> | ถนน | <u>ไฮ-สปี นิคมอุตสาหกรรมมาบตาพุด</u> |
| ตำบล/แขวง | <u>มาบตาพุด</u> | อำเภอ/เขต | <u>เมืองระยอง</u> | จังหวัด | <u>ระยอง</u> | รหัสไปรษณีย์ | <u>21150</u> |
| โทรศัพท์ | <u>0-3867-3000</u> | โทรสาร | <u>0-3868-3991</u> | โทรศัพท์มือถือ | <u>-</u> | | |
- ๓ การดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☒ บุคคลที่ขึ้นทะเบียนเจ้าหน้าที่ความปลอดภัยในการทำงานระดับวิชาชีพ หรือบุคคลผู้สำเร็จการศึกษา
ไม่ต่ำกว่าปริญญาตรีสาขาอาชีวอนามัยหรือเทียบเท่าที่ขึ้นทะเบียนเป็นเจ้าหน้าที่ความปลอดภัยในการทำงาน
ของสถานประกอบกิจการ เป็นผู้ดำเนินการเอง (แนบสำเนาเอกสารการขึ้นทะเบียน และสำเนาวุฒิการศึกษา
พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุลผู้ดำเนินการ ตรวจวัดและวิเคราะห์สภาวะการทำงาน	ประเภท ของเจ้าหน้าที่ความปลอดภัยในการทำงาน	เลขทะเบียน เจ้าหน้าที่ความปลอดภัยในการทำงาน
๑) นางสาวพิชญ์สินี ไสด่า	เจ้าหน้าที่ความปลอดภัยฯ ระดับวิชาชีพ	กสร.จป.ว 221-003593

รายการผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับความร้อน (แบบ รสส. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
- ☒ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียง (แบบ รสส. ๓)
- ☐ บุคคลที่ได้รับใบขึ้นทะเบียนตามมาตรา ๙ หรือนิติบุคคลที่ได้รับใบอนุญาตตามมาตรา ๑๑
แห่งพระราชบัญญัติความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน พ.ศ. ๒๕๕๔
(แนบสำเนาเอกสารใบขึ้นทะเบียน/ใบอนุญาตตามมาตรา ๙ หรือมาตรา ๑๑ พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุล บุคคลหรือนิติบุคคลผู้ดำเนินการ ตรวจวัดและวิเคราะห์สภาวะการทำงาน	เลขที่ใบขึ้นทะเบียน/เลขที่ใบอนุญาต	ระยะเวลาที่ได้รับ การขึ้นทะเบียนและได้รับใบอนุญาต ตั้งแต่วันเดือนปี ถึง วันเดือนปี
๑)		

หมายเหตุ: สามารถเพิ่มบุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงานเป็นลำดับในตาราง

รายการผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับความร้อน (แบบ รสส. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียง (แบบ รสส. ๓)

ลงชื่อ พิชญ์สินี ไสด่า
(นางสาวพิชญ์สินี ไสด่า)

ลงชื่อ Parunluck C.
(นางสาวดร.ณัฐกษณ์ ฌายีเนตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน

นายจ้าง/ผู้มีอำนาจกระทำการแทน

แบบรายงานผลการตรวจวัดและวิเคราะห์ภาวะการทำงานเกี่ยวกับเสียง

๑ วัน เดือน ปี ที่ตรวจวัด 27 - 28 กันยายน 2565

๒ เครื่องมือที่ใช้ในการตรวจวัด (กรณีที่ใช้เครื่องตรวจวัดมากกว่า ๑ เครื่อง ให้เพิ่มข้อมูลเป็นลำดับในตาราง)

ชนิด/ประเภทเครื่องตรวจวัด ระดับความดังเสียง (SLM/Noise Dosimeter)	ยี่ห้อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	วันเดือนปี (โปรดเขียนความถูกต้อง)	หมายเหตุ
๑) Noise Dose Meter	QUEST / NP-DL	NLC100006	IEC 651 - 1979	17 มีนาคม 2565	

๓ อุปกรณ์ที่ใช้ในการเปรียบเทียบความถูกต้องของเครื่องมือตรวจวัดระดับความดังเสียง

อุปกรณ์รับเทียบความถูกต้อง	ยี่ห้อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	หมายเหตุ
๑) Sound calibrator	QUEST/QC-10	QIC100060	ANSI S1.40-1984 และ IEC 942:1988 Class 1	

๔ ผลการตรวจวัดและวิเคราะห์ภาวะการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง Sound Level Meter (SLM)

ลำดับ หรือ SEG ^๑	บริเวณที่ทำการตรวจวัด ^๒	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที)	พื้นที่ทำงาน ^๓	ผลการตรวจวัดระดับความดังเสียง		ข้อสังเกตและ และวิธีการปรับปรุงแก้ไข ^๕
					ความดังเสียง (dBA)	ระยะเวลาการตรวจวัด (ชั่วโมง/นาที) (dBA)	
-	-	-	-	-	-	-	-

หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งมีลักษณะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสียงเหมือนกัน

๒) บริเวณที่ทำการตรวจวัด ให้จัดทำแผนผังพื้นที่ดำเนินการตรวจวัดระดับความดังเสียงเป็นเอกสารแนบ

๓) กรณีที่พนักงานมีเสียงดังในบริเวณตรวจวัดหลายจุดทำงาน (หลายสถานีงานพื้นที่ทำงาน) สามารถเพิ่มเติมพื้นที่ทำงานในตารางได้

๔) ระดับเสียงเฉลี่ย TWA < ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในชั่วโมงรวมได้โปรดรวมตลอดด้วยส่วนบุคคล

๕) ผลการประเมินให้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ถูกจ้างได้รับเฉลี่ยตลอดระยะเวลาการทำงานในแต่ละวัน ลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓

๖) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ

วิรุจน์ โสภ

(นางสาววิรุจน์ โสภ)

ลงชื่อ

Pavuluck C

(นางสาวคุณลักษณี ฉายีเนตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ภาวะการทำงาน

นายชัยภูมิอำนาจระทำการแทน

๕ ผลการตรวจวัดและวิเคราะห์ภาวะการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง (Noise Dosimeter)

ลำดับ ของ SEG ^๑	บริเวณที่ทำการตรวจวัด	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาฬิกา)	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA \leq ชั่วโมง ^๒ (dBA)	ผลการประเมิน ^๓ (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข ^๔
				ระยะเวลาการตรวจวัด (ชั่วโมง/นาฬิกา)	ปริมาณเสียงสะสม (D) เปอร์เซ็นต์ (%)			
๑	PE Operator-General 12 hour exposure at Train 1	รายละเอียดตามเอกสารแนบ ๑	720 นาที	644 นาที	82.6	84.2	ไม่เป็นเกณฑ์	
๒	PE Operator-General 12 hour exposure at Train 2		720 นาที	660 นาที	53.3	82.3	ไม่เป็นเกณฑ์	

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

๒) ระดับเสียงเฉลี่ย TWA \leq ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในหนึ่งสัปดาห์ได้ถูกปรับลดความปลอดภัย

๓) ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ลูกจ้างได้รับเสียงตลอดระยะเวลาการลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ หรือ ๓ ชั่วโมงในแต่ละวัน

๔) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ
ศิริกมล ใจดี

ลงชื่อ
Paruluck C

(นางสาวพิชญ์สินี ใสดา)

(นางสาวอรุณลักษณ์ ฌายีเนตร)

บุคคลหรือมีบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ความเสี่ยงภาวะการทำงาน

นายช่าง/ผู้มีอำนาจกระทำการแทน

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

๑ ข้าพเจ้า (นาย/นาง/นางสาว) ดร.ณัฏฐ์ ฅายีเนตร นายจ้าง/ผู้มีอำนาจกระทำการแทน

๒ ชื่อสถานประกอบกิจการ บริษัท สยามโพลีเอททีลีน จำกัด

เลขทะเบียนนิติบุคคล 0105538145319

ประกอบกิจการ เม็ดพลาสติกโพลีเอททีลีน

ตั้งอยู่เลขที่ 8/1 หมู่ที่ - ต.รอก/ตอย - ถนน ไฮ-สปี นิคมอุตสาหกรรมมาบตาพุด

ตำบล/แขวง มาบตาพุด อำเภอ/เขต เมืองระยอง จังหวัด ระยอง รหัสไปรษณีย์ 21150

โทรศัพท์ 0-3867-3000 โทรสาร 0-3868-3991 โทรศัพท์มือถือ -

๓ การดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☒ บุคคลที่ขึ้นทะเบียนเจ้าหน้าที่ความปลอดภัยในการทำงานระดับวิชาชีพ หรือบุคคลผู้สำเร็จการศึกษา
ไม่ต่ำกว่าปริญญาตรีสาขาอาชีวอนามัยหรือเทียบเท่าที่ขึ้นทะเบียนเป็นเจ้าหน้าที่ความปลอดภัยในการทำงาน
ของสถานประกอบกิจการ เป็นผู้ดำเนินการเอง (แนบสำเนาเอกสารการขึ้นทะเบียน และสำเนาวุฒิการศึกษา
พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุลผู้ดำเนินการ ตรวจวัดและวิเคราะห์สภาวะการทำงาน	ประเภท ของเจ้าหน้าที่ความปลอดภัยในการทำงาน	เลขทะเบียน เจ้าหน้าที่ความปลอดภัยในการทำงาน
๑) นางสาวพิชญ์สินี โสดา	เจ้าหน้าที่ความปลอดภัยฯ ระดับวิชาชีพ	กสร.จป.ว 221-003593

รายการผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับความร้อน (แบบ รสส. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
- ☒ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียง (แบบ รสส. ๓)
- ☐ บุคคลที่ได้รับใบขึ้นทะเบียนตามมาตรา ๙ หรือนิติบุคคลที่ได้รับใบอนุญาตตามมาตรา ๑๑
แห่งพระราชบัญญัติความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน พ.ศ. ๒๕๕๔
(แนบสำเนาเอกสารใบขึ้นทะเบียน/ใบอนุญาตตามมาตรา ๙ หรือมาตรา ๑๑ พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุล บุคคลหรือนิติบุคคลผู้ดำเนินการ ตรวจวัดและวิเคราะห์สภาวะการทำงาน	เลขที่ใบขึ้นทะเบียน/เลขที่ใบอนุญาต	ระยะเวลาที่ได้รับ การขึ้นทะเบียนและได้รับใบอนุญาต ตั้งแต่วันเดือนปี ถึง วันเดือนปี
๑)		

หมายเหตุ: สามารถเพิ่มบุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงานเป็นลำดับในตาราง

รายการผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับความร้อน (แบบ รสส. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียง (แบบ รสส. ๓)

ลงชื่อ พิชญ์สินี โสดา
(นางสาวพิชญ์สินี โสดา)

ลงชื่อ Parunluck C
(นางสาวดร.ณัฏฐ์ ฅายีเนตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน

นายจ้าง/ผู้มีอำนาจกระทำการแทน

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียง

๑ วัน เดือน ปี ที่ตรวจวัด 7 - 18 พฤศจิกายน 2565

๒ เครื่องมือที่ใช้ในการตรวจวัด (กรณีที่ใช้เครื่องตรวจวัดมากกว่า ๑ เครื่อง ให้เพิ่มข้อมูลเป็นลำดับในตาราง)

ชนิดประเภทเครื่องตรวจวัด ระดับความดังเสียง (SLM/Noise Dosimeter)	ยี่ห้อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	วันเดือนปี (โปรดเขียนความถูกต้อง)	หมายเหตุ
๑) Noise Dose Meter	QUEST / NP-DL	NLC100006	IEC 651 - 1979	17 มีนาคม 2565	

๓ อุปกรณ์ที่ใช้ในการเปรียบเทียบความถูกต้องของเครื่องมือตรวจวัดระดับความดังเสียง

อุปกรณ์รับเทียบความถูกต้อง	ยี่ห้อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	หมายเหตุ
๑) Sound calibrator	QUEST/QC-10	QIC100060	ANSI S1.40-1984 และ IEC 942:1988 Class 1	

๔ ผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง Sound Level Meter (SLM)

ลำดับ หรือ SEG ^๑	บริเวณที่ทำการตรวจวัด ^๒	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที)	พื้นที่ทำงาน ^๓	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA = ชั่วโมง ^๔ (dBA)	ผลการประเมิน ๕ (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์)	ข้อสังเกตแนะ และวิธีการปรับปรุงแก้ไข ^๖
					ความดังเสียง (dBA)	ระยะเวลาการตรวจวัด (ชั่วโมง/นาที)			
-	-	-	-	-	-	-	-	-	-

หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งมีลักษณะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสียงเหมือนกัน

๒) บริเวณที่ทำการตรวจวัด ให้จัดทำแผนผังพื้นที่ดำเนินการตรวจวัดระดับความดังเสียงเป็นเอกสารแนบ

๓) กรณีที่พนักงานมีเสียงดังในบริเวณตรวจวัดหลายจุดทำงาน (หลายสถานีงานพื้นที่ทำงาน) สามารถเพิ่มเติมพื้นที่ทำงานในตารางได้

๔) ระดับเสียงเฉลี่ย TWA = ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในชั่วโมงรวมได้โปรดรวมตลอดด้วยส่วนบุคคล

๕) ผลการประเมินให้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ถูกจ้างได้รับเฉลี่ยตลอดระยะเวลาทำงานในแต่ละวัน ลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓

๖) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ จิรภูมิ โสภ
(นางสาวพิชญ์สินี ใสดา)

ลงชื่อ Paruluck C
(นางสาวศุภณีสักขณ์ ฉายีเนตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน

นายจ้าง/ผู้มีอำนาจกระทำการแทน

๕ ผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง (Noise Dosimeter)

ลำดับ ของ SEG ^๑	บริเวณที่ทำการตรวจวัด	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาฬิกา)	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA \leq ชั่วโมง ^๒ (dBA)	ผลการประเมิน ^๓ (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข ^๔
				ระยะเวลาการตรวจวัด (ชั่วโมง/นาฬิกา)	ปริมาณเสียงสะสม (D) เปอร์เซ็นต์ (%)			
๑	PE Operator-General 12 hour exposure at Train 1	รายละเอียดตามเอกสารแนบ ๑	720 นาที	534 นาที	51.9	82.2	ไม่เป็นเกณฑ์	
	PE Operator-General 12 hour exposure at Train 2		720 นาที	658 นาที	35.5	80.5	ไม่เป็นเกณฑ์	

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

๒) ระดับเสียงเฉลี่ย TWA \leq ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในหนึ่งสัปดาห์ได้ถูกปรับลดความปลอดภัย

๓) ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ลูกจ้างได้รับเสียงตลอดระยะเวลาการลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ หรือ ๓ ชั่วโมงในแต่ละวัน

๔) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ

วิมลสิน ใสตา

ลงชื่อ

Paruluck C

(นางสาวพิชญ์สินี ใสตา)

(นางสาวอรุณลักษณ์ ยืนเนตร)

บุคคลหรือมีบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ความเสี่ยงภาวะการทำงาน

นายช่าง/ผู้มีอำนาจกระทำการแทน

ภาคผนวก ค-9

คุณภาพน้ำทิ้ง



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 (SPE)

TESTING
No.0042
Lot ID: 2270897
Date Received : Jul 06, 2022
Date Reported : Dec 22, 2022
Report Number : 233898-1 C1

Page 1 of 1

Sample Number 2270897-1
Sampling Date Jul 06, 2022 11:00 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Jul 06, 2022
Condition of Sample Contained in two amber glass bottles, six glass vials and seven plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	Result	Guideline / Specification	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	2	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	22	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMT	5	13	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMT	5	13	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	8.2	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	32.9	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	5	780	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	5	<5	≤50	APHA (2017), 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 Kornswat, Thanassou Namakunna
Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * are not included in scope of Accreditation ISO/IEC 17025.

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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 (SPE)

Lot ID: 2270897
Date Received : Jul 06, 2022
Date Reported : Dec 22, 2022
Report Number : 233898-3 C1

Page 1 of 1

Sample Number 2270897-1
Sampling Date Jul 06, 2022 11:00 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Jul 07, 2022
Condition of Sample Contained in two amber glass bottles, six glass vials and seven plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds						
Benzene	ug/L	1.5	Not Detected	No Standard	Based on US EPA, Method 8030B and 8260D	Bangkok
Styrene	ug/L	1.5	Not Detected	No Standard	Based on US EPA, Method 8030B and 8260D	Bangkok
Water Testing						
Total Organic Carbon	mg/L	0.01	8.21	No Standard	Based on APHA (2017), 8310 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).

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

Approved by
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Siriluk Puenggang
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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: 2284532
Date Received : Aug 03, 2022
Date Reported : Aug 15, 2022
Report Number : 2369730-1 C1

Page 1 of 1

Sample Number 2284532-1
Sampling Date Aug 03, 2022 11:30 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Aug 03, 2022
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	Result	Guideline / Specification	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	18	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMT	-	7	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMT	-	6	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	7.4	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	29.9	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	282	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	7	≤50	APHA (2017), 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 Kornswat, Thanassou Namakunna

Remark :
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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: 2284532
Date Received : Aug 03, 2022
Date Reported : Aug 15, 2022
Report Number : 2369730-3 C1

Page 1 of 1

Sample Number 2284532-1
Sampling Date Aug 03, 2022 11:30 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Aug 04, 2022
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	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds						
Benzene	ug/L	1.5	5	No Standard	Based on US EPA, Method 8030B and 8260D	Bangkok
Styrene	ug/L	1.5	5	No Standard	Based on US EPA, Method 8030B and 8260D	Bangkok
Water Testing						
Total Organic Carbon	mg/L	0.01	0.1	No Standard	Based on APHA (2017), 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 Kornswat, Thanassou Namakunna
Remark :
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Approved by

Siriluk P.

Siriluk Puenggang
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 :
Project Name : Water Testing
Project Location: Map Ta Phut (SPE)

TESTING
No.0042
Lot ID: 2296689
Date Received : Sep 07, 2022
Date Reported : Sep 15, 2022
Report Number : 2397601-C1

Page 1 of 1

Sample Number 2296689-1
Sampling Date Sep 07, 2022 2:10 PM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Sep 07, 2022
Condition of Sample Contained in six glass vials, four amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	Result	Guideline / Specification	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMT	-	<5	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMT	-	<5	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	7.2	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	28.2	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	178	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	<5	≤50	APHA (2017), 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 Hunchanaow, Thanasoun Namakunna

Remark :
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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 (SPE)

Lot ID: 2296689
Date Received : Sep 07, 2022
Date Reported : Sep 15, 2022
Report Number : 2397601-C1

Page 1 of 1

Sample Number 2296689-1
Sampling Date Sep 07, 2022 2:10 PM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Sep 08, 2022
Condition of Sample Contained in six glass vials, four amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds						
Benzene	ug/L	1.5	5	No Standard	Based on US EPA, Method 8030B and 8260D	Bangkok
Styrene	ug/L	1.5	5	No Standard	Based on US EPA, Method 8030B and 8260D	Bangkok
Water Testing						
Total Organic Carbon	mg/L	0.01	0.1	No Standard	Based on APHA (2017), 8130 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 Hunchanaow, Thanasoun Namakunna
Remark :
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Approved by
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Sawitree Nongiam
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 (SPE)

TESTING
No.0042

Lot ID: 22110977

Date Received : Oct 04, 2022
Date Reported : Dec 22, 2022
Report Number : 2427994-1 C1

Page 1 of 1

Sample Number 22110977-1
Sampling Date Oct 04, 2022 10:10 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Oct 04, 2022
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	Result	Guideline / Specification	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	18	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMT	-	9	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMT	-	9	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	7.2	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	29.7	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	326	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	<5	≤50	APHA (2017), 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 Hunchanaow , Thanasoun Namakunna

Remark :
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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 (SPE)

Lot ID: 22110977

Date Received : Oct 04, 2022
Date Reported : Dec 22, 2022
Report Number : 2427994-3 C1

Page 1 of 1

Sample Number 22110977-1
Sampling Date Oct 04, 2022 10:10 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Oct 05, 2022
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	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds						
Benzene	ug/L	1.5	5	Not Detected	No Standard	Based on US EPA, Method 8030B and 8260D
Styrene	ug/L	1.5	5	Not Detected	No Standard	Based on US EPA, Method 8030B and 8260D
Water Testing						
Total Organic Carbon	mg/L	0.01	0.1	7.63	No Standard	Based on APHA (2017), 5310 B

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 Hunchanaow , Thanasoun Namakunna
Remark :
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Approved by

Siriluk P.
Siriluk Puenggang
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 :
Project Name : Water Testing
Project Location: Map Ta Phut (SPE)

TESTING
No.0042
Lot ID: 22121774
Date Received : Nov 01, 2022
Date Reported : Dec 22, 2022
Report Number : 2452487-1 Rev. No.1 C1

Page 1 of 1

Sample Number	22121774-1						
Sampling Date	Nov 01, 2022 11:09 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Nov 01, 2022						
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 (LOG)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	31	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	9	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	-	8.2	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	30.5	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	404	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	APHA (2017), 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 : This Analysis test report is issued to supersede report No.2452487-3, Date Reported : Nov 09, 2022 due to revise sample information.

Sampling By : Wanlop Hunchaihaow , Thanasoun Namakunna

Remark :
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Senior Manager
วิมลธนาพร 3-323-9442

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6506-107/ENGL



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 (SPE)

Lot ID: 2061153
Date Received : Jul 01, 2020
Date Reported : Dec 22, 2022
Report Number : 1684977-3 C1

Page 1 of 1

Sample Number	2061153-1						
Sampling Date	Jul 01, 2020 10:50 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Jul 02, 2020						
Condition of Sample	Contained in six glass vials, one amber glass bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Physical Property	Yellow, some odour, no solid and 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	Based on US EPA, Method 8030B and 8260D	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Based on US EPA, Method 8030B and 8260D	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	8.65	No Standard	Based on APHA (2017), 8310 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 : Triphop Kalanyu , Thanasoun Namakunna

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

Approved by

Sawitree N.
Sawitree Nongsiam
Manager

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6506-107/ENGL



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: 22136120
Date Received : Dec 09, 2022
Date Reported : Dec 19, 2022
Report Number : 2486131-1 C1

Page 1 of 2

Sample Number	22136120-1
Sampling Date	Dec 09, 2022 10:30 AM
Sample Description	Wastewater
Location	Outfall
Date Analysis Commenced	Dec 09, 2022
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	<2	≤20	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	5	27	≤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	17	≤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	15	≤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 (8)	Rayong
Temperature *	Degree C	-	-	30.8	≤40	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2530 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	820	≤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

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).

Technical Management

N. Banphit

Narumon Benchongkit
Supervisor
โทรศัพท์ 7-323-9-9445

Approved by

D. Juman

Dej Changchon
Senior Manager
โทรศัพท์ 7-323-9-9442

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6506-102/ ENWL



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: 22136120
Date Received : Dec 09, 2022
Date Reported : Dec 19, 2022
Report Number : 2486131-1 C1

Page 2 of 2

Sampling By : Tanasit Wongsachai , Thanasoun Namakunna

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

Technical Management

N. Banphit

Narumon Benchongkit
Supervisor
โทรศัพท์ 7-323-9-9445

Approved by

D. Juman

Dej Changchon
Senior Manager
โทรศัพท์ 7-323-9-9442

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6506-102/ ENWL



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: 22136120
Date Received : Dec 09, 2022
Date Reported : Dec 19, 2022
Report Number : 2486131-3 C1

Page 1 of 1

Sample Number 22136120-1
Sampling Date Dec 09, 2022 10:30 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Dec 10, 2022
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	11.4	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).

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

Approved by
Chanatt L.
Chanattagarn Jindhom
Supervisor

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6096-397/ENAL



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 : 4512621611
Project Name : Water Testing
Project Location: Map Ta Phut_Latex (SSLC)
Lot ID: 2278772
Date Received : Jul 06, 2022
Date Reported : Jul 15, 2022
Report Number : 2375377-1

Page 1 of 1

Sample Number 2278772-2
Sample Date Jul 06, 2022 10:00 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Jul 06, 2022
Condition of Sample Contained in two amber glass bottles, 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	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	31	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMT	-	5	38	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMT	-	5	36	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	-	7.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	32.7	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	488	≤3000	APHA (2017), 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.8	≤100	APHA (2017), 4500-Horg (C), IHB (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤50	APHA (2017), 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).

Sampled By : Pathompong Komsawat, Thanassou Namakunna

Remark :
- LOD : Limit of Detection
- "C" : 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. Banphit
Narumon Banphongkit
Supervisor
วิบูลย์ 7-323-9-9445

Approved by

D. Juman

Dej Changchon
Senior Manager
วิบูลย์ 7-323-9-9442

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78562/ENAL

5390001-AL-BL-001-11040



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut Latex (SSLC)
Lot ID: 2278772
Date Received : Jul 06, 2022
Date Reported : Jul 15, 2022
Report Number : 2375377-2

Page 1 of 1

Sample Number 2278772-2
Sampled Date Jul 06, 2022 10:00 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Jul 08, 2022
Condition of Sample Contained in two amber glass bottles, 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	7.08	No Standard	Based on APHA (2017), 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).

Sampled By : Pathompong Komsawat, Thanassou Namakunna

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

Siriluk P.

Approved by

Siriluk Puangpang
Supervisor

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780631/ENH

538909141_04101 (4-10P4)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut Latex (SSLC)
Lot ID: 2294473
Date Received : Aug 03, 2022
Date Reported : Aug 11, 2022
Report Number : 2400553-1

Page 1 of 1

Sample Number 2294473-2
Sampled Date Aug 03, 2022 9:40 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Aug 03, 2022
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	2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	27	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMT	-	5	29	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMT	-	5	30	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	-	6.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	29.8	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	588	≤3000	APHA (2017), 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.2	≤100	APHA (2017), 4500-Horg (C), IHB (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤50	APHA (2017), 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).

Sampled By : Pathompong Komsawat, Thanassou Namakunna

Remark :
LOD : Limit of Detection
LOQ : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
LOQ : 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.

N. Banphit

Technical Management

Narumon Banphongkit
Supervisor
ติดต่อเราที่ 7-323-9-9445

D. Juman

Approved by

Dej Changchon
Senior Manager
ติดต่อเราที่ 7-323-9-9442

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780631/ENH

538909141_04101 (5-8P4)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut Latex (SSLC)
Lot ID: 2294473
Date Received : Aug 03, 2022
Date Reported : Aug 11, 2022
Report Number : 2400553-2

Page 1 of 1

Sample Number 2294473-2
Sampled Date Aug 03, 2022 9:40 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Aug 05, 2022
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	6.64	No Standard	Based on APHA (2017), 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).

Sampled By : Pathompong Komsawat, Thanassou Nannakurua

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

Siriluk P.

Approved by

Siriluk Puanggang
Supervisor

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7806/01/ENH

SYReport_LAB_01-01 (4-3894)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut Latex (SSLC)
Lot ID: 2296715
Date Received : Sep 07, 2022
Date Reported : Sep 15, 2022
Report Number : 2435166-1

Page 1 of 1

Sample Number 2296715-2
Sampled Date Sep 07, 2022 11:30 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Sep 07, 2022
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	5	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	38	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMT	-	5	29	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMT	-	5	28	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	27.6	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	260	≤3000	APHA (2017), 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	21.7	≤100	APHA (2017), 4500-Horg (C), IHI3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤50	APHA (2017), 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).

Sampled By : Wanlop Hunchanaow, Thanassou Nannakurua

Remark :
LOD : Limit of Detection
LOQ : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
LOQ : 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.

N. Bangpit

Technical Management

Narumon Banchongkitt
Supervisor
ติดต่อเราที่ 7-323-9-9445

Approved by

Dej Changchon
Senior Manager
ติดต่อเราที่ 7-323-9-9442

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7806/01/ENH

SYReport_LAB_01-01 (4-3894)



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 : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2296715
Date Received : Sep 07, 2022
Date Reported : Sep 15, 2022
Report Number : 2435166-2

Page 1 of 1

Sample Number 2296715-2
Sampled Date Sep 07, 2022 11:30 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Sep 08, 2022
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	7.71	No Standard	Based on APHA (2017), 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).

Sampled By : Wanlop Hunchanaow , Thanasoun Namakunna

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

Approved by

Nant Somb
Nanthawadee Sombon
Specialist 1

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780651 ENVI

5189901_NA_01 (6.12PM)



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 : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

TESTING
No.0042
Lot ID: 22110981
Date Received : Oct 04, 2022
Date Reported : Oct 11, 2022
Report Number : 246046-1

Page 1 of 1

Sample Number 22110981-2
Sampled Date Oct 04, 2022 9:40 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Oct 04, 2022
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	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	16	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMT	-	5	18	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMT	-	5	18	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	-	7.4	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	29.8	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	360	≤3000	APHA (2017), 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤100	APHA (2017), 4500-Horg (C), IHB (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤50	APHA (2017), 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).

Sampled By : Wanlop Hunchanaow , 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.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N.Bangpit
Narumon Banchoangkit
Supervisor
ติดต่อเราที่ 7-323-9-9445

Approved by

D.Juan
Dej Changchon
Senior Manager
ติดต่อเราที่ 7-323-9-9442

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780651 ENVI

5189901_NA_01 (1.33PM)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut Latex (SSLC)
Lot ID: 22110981
Date Received : Oct 04, 2022
Date Reported : Oct 12, 2022
Report Number : 2460446-2

Page 1 of 1

Sample Number 22110981-2
Sampled Date Oct 04, 2022 9:40 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Oct 08, 2022
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	5.27	No Standard	Based on APHA (2017), 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).

Sampled By : Wanlop Hunchanaow , Thanasoun Namakunna

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

Approved by

Narin Saiseng
Supervisor

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7806/01/EMIL

5/Report_LAB_04-10-1 (1.389K)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut Latex (SSLC)
Lot ID: 22122217
Date Received : Nov 01, 2022
Date Reported : Nov 09, 2022
Report Number : 2487175-1

Page 1 of 1

Sample Number 22122217-2
Sampled Date Nov 01, 2022 10:20 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Nov 01, 2022
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	19	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	65	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMT	-	5	41	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMT	-	5	39	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C	-	-	-	7.6	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	31.3	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	384	≤3000	APHA (2017), 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	16.5	≤100	APHA (2017), 4500-Horg (C), IHB (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤50	APHA (2017), 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).

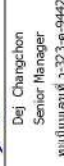
Sampled By : Wanlop Hunchanaow , Thanasoun Namakunna

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

Narumon Banchongkitt
Supervisor
ติดต่อเราที่ 7-323-9-9445

Approved by


Dej Changchon
Senior Manager
ติดต่อเราที่ 7-323-9-9442

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5/Report_LAB_04-10-1 (4.489K)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 22122217
Date Received : Nov 01, 2022
Date Reported : Nov 09, 2022
Report Number : 2487175-2

Page 1 of 1

Sample Number : 22122217-2
Sampled Date : Nov 01, 2022 10:20 AM
Sample Description : Wastewater
Location : Domestic Outlet
Date Analysis Commenced : Nov 03, 2022
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	9.69	No Standard	Based on APHA (2017), 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).

Sampled By : Wanlop Hunchanaow , Thanasoun Namakunna

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

Siriluk P.

Approved by

Siriluk Puengsang
Supervisor

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51Report_Latex.pdf (12/389K)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

TESTING
No.0042
Lot ID: 22136127
Date Received : Dec 09, 2022
Date Reported : Dec 17, 2022
Report Number : 2523992-1

Page 1 of 2

Sample Number : 22136127-2
Sampled Date : Dec 09, 2022 9:50 AM
Sample Description : Wastewater
Location : Domestic Outlet
Date Analysis Commenced : Dec 09, 2022
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	4	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	5	42	≤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	32	≤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	29	≤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 *	-	-	-	7.3	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	-	-	31.0	≤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	340	≤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 4615 (D)	Rayong

N. Banphit

Technical Management

Narumon Banphongkitt
Supervisor
ติดต่อเราที่ 7-323-9-9445

D. Juman

Approved by

Dej Changchon
Senior Manager
ติดต่อเราที่ 7-323-9-9442

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51Report_Latex.pdf (12/389K)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut Latex (SSLC)
TESTING
Lot ID: 22136127
Date Received : Dec 09, 2022
Date Reported : Dec 17, 2022
Report Number : 2523592-1

Page 2 of 2

Sample Number 22136127-2
Sampled Date Dec 09, 2022 9:50 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Dec 09, 2022
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	10	≤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 : Tanasit Wongsachai วิมลวรรณ น-323-9-9460 , Thanassou Namakunna วิมลวรรณ น-204-8-8592

Remark :

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- "C" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

N. Ban-rit

Narumon Banchoangkit
Supervisor
วิมลวรรณ น-323-9-9445

Approved by

D. Chuan

Dej Chanchon
Senior Manager
วิมลวรรณ น-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut Latex (SSLC)
Lot ID: 22136127
Date Received : Dec 09, 2022
Date Reported : Dec 17, 2022
Report Number : 2523592-2

Page 1 of 1

Sample Number 22136127-2
Sampled Date Dec 09, 2022 9:50 AM
Sample Description Wastewater
Location Domestic Outlet
Date Analysis Commenced Dec 13, 2022
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	7.43	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 : Tanasit Wongsachai วิมลวรรณ น-323-9-9460 , Thanassou Namakunna วิมลวรรณ น-204-8-8592

Remark :

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

Approved by

Nant Sorn

Nanthawadee Sornboon
Specialist 1

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