

ภาคผนวก ค

ผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม

ภาคผนวก ค-1

คุณภาพอากาศจากแหล่งกำเนิด



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417223
Date Received : Sep 17, 2024
Date Reported : Sep 27, 2024
Report Number : 2910534-2

Page 1 of 1

Sample Number : 2417223-1
Sample Description : Emission from Stationary Source
Location : Furnace 1 (GPS 47P 0734130, 1404515)
Measurement Date : Sep 17, 2024

		Stack Description			
Ambient Temperature	32.3 °C	Diameter	1.40 m	Oxygen	5.43 %
Ambient Pressure	752.6 mmHg	Shape	Circle	Carbon dioxide	9.28 %
Type of Process	Combustion	Stack Temperature	203 °C	Gas Velocity	6.36 m/s
Type of Fuel	Natural Gas	Moisture	16.00 %	Flow Rate	18363 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)	
				at Actual O ₂	At 7% O ₂
1	11:00 AM - 11:20 AM	6.37	8.71	15.72	15.05
2	11:21 AM - 11:41 AM	4.81	9.66	11.71	10.12
3	11:42 AM - 12:02 PM	5.11	9.48	11.72	10.31
Average (ppm)		5.43	9.28	13.05	11.83
Guideline ¹ (ppm)				-	200
Guideline ² (ppm)				-	25
Result (mg/Nm ³)				24.55	22.25
Emission Rate at Actual O ₂ (g/s)				0.1252	
Guideline ² (g/s)				0.3900	
Method				US EPA Method 7E	

Sampled By : Sathaporn Thakarn
Guideline : ¹Notification 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)
²Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated March 5, 2014 (B.E.2557)

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager

ทะเบียนเลขที่ 7-204-ก-0006

Approved by

Sarayuth Jitranont

Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 7-204-ก-0003

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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 : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417227
Date Received : Sep 17, 2024
Date Reported : Oct 04, 2024
Report Number: 2910537-1C5

Page 1 of 1

Sample Number : 2417227-1
Sampled Date : Sep 17, 2024
Sample Description : Emission from Stationary Source
Location : Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced : Sep 18, 2024
Condition of Sample : Extracted into one 10-L air sampling bag

		Stack Description			
Ambient Pressure	753 mmHg	Diameter	1.40 m	Oxygen	5.4 %
Ambient Temperature	32.3 °C	Shape	Circle	Carbon Dioxide	9.3 %
Type of Process	Combustion	Stack Temperature	203 °C	Gas Velocity	6.4 m/s
Type of Fuel	Natural Gas	Moisture	15.76 %	Flow Rate (Actual O2)	18414 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 % O ₂	Result at 5.4 % O ₂	Method	Testing Location
Air Testing								
Total Hydrocarbon as Propane	11:00 AM - 11:10 AM	ppm	-	0.4	0.9	1.00	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampling By : Sittipan Sanachiw

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105094

Date Received : Sep 18, 2024

Date Reported : Sep 26, 2024

Report Number: 3107935-2C5

Page 1 of 1

Sample Number 24105094-1
Sampled Date Sep 18, 2024
Sample Description Emission from Stationary Source
Location Blenders 1 (GPS 47P 0733984, 1404492)
Date Analysis Commenced Sep 19, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description							
Ambient Pressure	752	mmHg	Diameter	0.60	m	Oxygen	20.9 %
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	34.0	°C	Gas Velocity	1.6 m/s
Type of Fuel	-		Moisture	2.72	%	Flow Rate (Actual O2)	1497 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	11:10 AM - 11:30 AM	ppm	-	0.4	258	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Jaradrawee Siriruksa

Remark :

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105095

Date Received : Sep 18, 2024

Date Reported : Sep 26, 2024

Report Number: 3107957-2C5

Page 1 of 1

Sample Number 24105095-1
Sampled Date Sep 18, 2024
Sample Description Emission from Stationary Source
Location Spin Dryer 1 (GPS 47P 0733967, 1404426)
Date Analysis Commenced Sep 19, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description							
Ambient Pressure	752	mmHg	Diameter	0.63 x 0.63	m	Oxygen	20.9 %
Ambient Temperature	31.8	°C	Shape	Square		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	35.0	°C	Gas Velocity	9.8 m/s
Type of Fuel	-		Moisture	2.95	%	Flow Rate (Actual O2)	13020 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	10:10 AM - 10:30 AM	ppm	-	0.4	19.0	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Sittipan Sanachiw

Remark :

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105092

Date Received : Sep 18, 2024

Date Reported : Sep 26, 2024

Report Number: 3107933-2C5

Page 1 of 1

Sample Number 24105092-1
Sampled Date Sep 18, 2024
Sample Description Emission from Stationary Source
Location Hold Up Hopper 1 (GPS 47P 0733995, 1404455)
Date Analysis Commenced Sep 19, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	752	mmHg	Diameter	0.25	m	Oxygen	20.9	%
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	44.0	°C	Gas Velocity	7.9	m/s
Type of Fuel	-		Moisture	2.73	%	Flow Rate (Actual O2)	1273	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	10:40 AM - 11:00 AM	ppm	-	0.4	373	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Sittipon Sanachiw

Remark :

- LOD : Limit of Detection
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Approved by

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Thanita Kulsuriwong
Scientist (4)

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417225

Date Received : Sep 19, 2024

Date Reported : Sep 27, 2024

Report Number : 2910535-2

Page 1 of 1

Sample Number 2417225-1
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Measurement Date Sep 17, 2024

Stack Description

Ambient Temperature	32.3	°C	Diameter	1.53	m	Oxygen	5.92	%
Ambient Pressure	752.6	mmHg	Shape	Circle		Carbon dioxide	8.82	%
Type of Process	Combustion		Stack Temperature	191	°C	Gas Velocity	6.14	m/s
Type of Fuel	Natural Gas		Moisture	12.67	%	Flow Rate	22596	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)	
				at Actual O ₂	At 7% O ₂
1	10:40 AM - 11:00 AM	5.92	8.82	13.62	12.64
2	11:01 AM - 11:21 AM	5.90	8.84	13.84	12.82
3	11:22 AM - 11:42 AM	5.94	8.81	13.90	12.91
Average (ppm)				13.79	12.79
Guideline ^{1/} (ppm)				-	200
Guideline ^{2/} (ppm)				-	25
Result (mg/Nm ³)				25.94	24.06
Emission Rate at Actual O ₂ (g/s)				0.1628	
Guideline ^{2/} (g/s)				0.4290	
Method				US EPA Method 7E	

Sampled By : Saksit Phaisanphisit

Guideline : ^{1/}Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

^{2/}Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated March 5, 2014 (B.E.2557)

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager

ทะเบียนเลขที่ 2-204-ก-0006

Approved by

Sarayuth Jitranont

Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ 2-204-ก-0003

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417229

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number: 2910538-1C5

Page 1 of 1

Sample Number 2417229-1
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2
Date Analysis Commenced Sep 18, 2024
Condition of Sample Extracted into one 10-L air sampling bag

Stack Description

Ambient Pressure	753	mmHg	Diameter	1.53	m	Oxygen	5.9	%
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	8.8	%
Type of Process	Combustion		Stack Temperature	190	°C	Gas Velocity	6.2	m/s
Type of Fuel	Natural Gas		Moisture	12.66	%	Flow Rate (Actual O2)	22635	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 % O ₂	Result at 5.9 % O ₂	Method	Testing Location
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Air Testing

Total Hydrocarbon as Propane	10:50 AM - 11:00 AM	ppm	-	0.4	3.2	3.45	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
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Sampling By : Jaradrawee Sriruksa

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105124

Date Received : Sep 18, 2024

Date Reported : Sep 26, 2024

Report Number: 3107958-2C5

Page 1 of 1

Sample Number 24105124-1
Sampled Date Sep 18, 2024
Sample Description Emission from Stationary Source
Location Spin Dryer 2 (GPS 47P 0733702, 1404276)
Date Analysis Commenced Sep 19, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	752	mmHg	Diameter	0.63 x 0.80	m	Oxygen	20.9	%
Ambient Temperature	31.8	°C	Shape	Rectangular		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	54.0	°C	Gas Velocity	6.5	m/s
Type of Fuel	-		Moisture	2.73	%	Flow Rate (Actual O2)	10350	Nm3/hr

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

Non-Methane Hydrocarbon as Propane	11:20 AM - 11:40 AM	ppm	-	0.4	24.7	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
------------------------------------	---------------------	-----	---	-----	------	--	--------

Sampled By : Sittipon Sanachiw

Remark :

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105125

Date Received : Sep 18, 2024

Date Reported : Oct 04, 2024

Report Number: 3107959-2C5

Page 1 of 1

Sample Number 24105125-1
Sampled Date Sep 18, 2024
Sample Description Emission from Stationary Source
Location Hold Up Hopper 2 (GPS 47P 0734013, 1404453)
Date Analysis Commenced Sep 19, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description							
Ambient Pressure	752	mmHg	Diameter	0.20	m	Oxygen	20.9 %
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	50.0	°C	Gas Velocity	12.5 m/s
Type of Fuel	-		Moisture	3.17	%	Flow Rate (Actual O2)	1251 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	11:55 AM - 12:15 PM	ppm	-	0.4	544	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Sittipin Sanachiw

Remark :

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Approved by

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Thanita Kulsuriwong
Scientist (4)

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105126

Date Received : Sep 18, 2024

Date Reported : Oct 04, 2024

Report Number: 3107961-2C5

Page 1 of 1

Sample Number 24105126-1
Sampled Date Sep 18, 2024
Sample Description Emission from Stationary Source
Location Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced Sep 19, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description							
Ambient Pressure	752	mmHg	Diameter	0.30	m	Oxygen	20.9 %
Ambient Temperature	31.8	°C	Shape	Circle		Carbon Dioxide	0.0 %
Type of Process	Process		Stack Temperature	34.0	°C	Gas Velocity	4.1 m/s
Type of Fuel	-		Moisture	2.28	%	Flow Rate (Actual O2)	975 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	11:40 AM - 12:00 PM	ppm	-	0.4	268	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Jaradrawee Sriruksa

Remark :

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Thanita Kulsuriwong
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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417223
Date Received : Sep 17, 2024
Date Reported : Oct 03, 2024
Report Number : 2910534-1

Page 1 of 3

Sample Number : 2417223-1
Sampled Date : Sep 17, 2024
Sample Description : Emission from Stationary Source
Location : Furnace 1 (GPS 47P 0734130, 1404515)
Parameter : NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	17 Sep 24	10:50	11:10	17.56	18.20	17.43	18.25	0.82
2*	17 Sep 24	11:11	11:31	10.81	12.35	9.42	10.94	1.53
3	17 Sep 24	11:32	11:52	10.74	11.75	9.33	10.29	0.96
4	17 Sep 24	11:53	12:13	10.39	11.64	9.03	10.20	1.17
5*	17 Sep 24	12:14	12:34	10.28	11.66	8.94	10.20	1.26
6	17 Sep 24	12:35	12:55	10.85	11.44	9.25	9.88	0.62
7	17 Sep 24	12:56	13:16	17.18	16.49	16.68	16.01	-0.67
8	17 Sep 24	13:17	13:37	17.53	17.54	17.31	17.56	0.26
9	17 Sep 24	13:38	13:58	17.65	17.35	17.39	17.17	-0.22
10	17 Sep 24	13:59	14:19	17.69	17.40	17.48	17.46	-0.02
11	17 Sep 24	14:20	14:40	18.29	17.37	18.05	17.38	-0.67
12*	17 Sep 24	14:41	15:01	10.88	12.48	9.59	11.19	1.60
Average						14.66	14.91	0.25
Confidence Coefficient (CC)								0.53
Relative Accuracy (Compared with RM) (%)								5.23
Relative Accuracy Criteria ^{1/} (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

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

RA Result is within Criteria

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-0006

Approved by 
Sarayuth Jittrant
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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P/O : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417223
Date Received : Sep 17, 2024
Date Reported : Oct 03, 2024
Report Number : 2910534-1

Page 2 of 3

Sample Number : 2417223-1
Sampled Date : Sep 17, 2024
Sample Description : Emission from Stationary Source
Location : Furnace 1 (GPS 47P 0734130, 1404515)
Parameter : CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	17 Sep 24	10:50	11:10	7.22	2.52	7.16	2.52	-4.64
2	17 Sep 24	11:11	11:31	7.03	4.07	6.12	3.61	-2.52
3	17 Sep 24	11:32	11:52	7.21	3.29	6.27	2.88	-3.39
4	17 Sep 24	11:53	12:13	8.58	3.22	7.46	2.82	-4.64
5	17 Sep 24	12:14	12:34	7.29	2.92	6.34	2.55	-3.79
6	17 Sep 24	12:35	12:55	7.24	2.25	6.17	1.94	-4.23
7	17 Sep 24	12:56	13:16	7.26	1.19	7.04	1.16	-5.89
8	17 Sep 24	13:17	13:37	7.27	1.22	7.17	1.22	-5.95
9*	17 Sep 24	13:38	13:58	7.38	0.98	7.27	0.97	-6.31
10*	17 Sep 24	13:59	14:19	7.63	1.07	7.54	1.07	-6.47
11*	17 Sep 24	14:20	14:40	7.95	0.93	7.84	0.93	-6.91
12	17 Sep 24	14:41	15:01	8.78	3.06	7.74	2.75	-5.00
Average						6.83	2.38	-4.45
Confidence Coefficient (CC)								0.86
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)								0.77
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard)								≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

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

Emission Standard 690 ppm at 7%O2

RA Result is within Criteria

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-0006

Approved by 
Sarayuth Jittrant
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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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 : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417223
Date Received : Sep 17, 2024
Date Reported : Oct 03, 2024
Report Number : 2910534-1

Page 3 of 3

Sample Number : 2417223-1
Sampled Date : Sep 17, 2024
Sample Description : Emission from Stationary Source
Location : Furnace 1 (GPS 47P 0734130, 1404515)
Parameter : O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	17 Sep 24	10:50	11:10	6.89	7.03	0.14
2*	17 Sep 24	11:11	11:31	4.94	5.22	0.28
3	17 Sep 24	11:32	11:52	4.90	5.02	0.12
4	17 Sep 24	11:53	12:13	4.90	5.04	0.13
5	17 Sep 24	12:14	12:34	4.92	5.01	0.09
6	17 Sep 24	12:35	12:55	4.60	4.80	0.20
7	17 Sep 24	12:56	13:16	6.58	6.59	0.01
8	17 Sep 24	13:17	13:37	6.82	7.02	0.20
9	17 Sep 24	13:38	13:58	6.80	6.85	0.06
10*	17 Sep 24	13:59	14:19	6.83	7.04	0.21
11	17 Sep 24	14:20	14:40	6.81	7.01	0.19
12*	17 Sep 24	14:41	15:01	5.14	5.41	0.27
Average				5.91	6.04	0.13
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.13
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 Thakarnw

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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Analysis / Test Report

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P/O : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247
Date Received : Sep 17, 2024
Date Reported : Oct 03, 2024
Report Number : 3103630-2

Page 1 of 1

Sample Number : 24103247-1
Sampled Date : Sep 17, 2024
Sample Description : Emission from Stationary Source
Location : Furnace 1 (GPS 47P 0734130, 1404515)
Parameter : Stack Temperature

Relative Accuracy Test Audit Report

Run No.	Date	Time		Temperature Data		Difference
		Start	Stop	CEMs (°C)	RM (°C)	
1	17 Sep 24	10:50	11:10	201.9	202.8	0.9
2	17 Sep 24	11:11	11:31	199.8	202.0	2.2
3*	17 Sep 24	11:32	11:52	200.0	203.0	3.0
4	17 Sep 24	11:53	12:13	199.8	202.0	2.2
5*	17 Sep 24	12:14	12:34	199.7	202.0	2.3
6	17 Sep 24	12:35	12:55	199.9	201.4	1.5
7	17 Sep 24	12:56	13:16	202.2	203.3	1.1
8	17 Sep 24	13:17	13:37	201.8	203.6	1.8
9	17 Sep 24	13:38	13:58	202.0	204.2	2.2
10*	17 Sep 24	13:59	14:19	202.5	204.9	2.4
11	17 Sep 24	14:20	14:40	202.4	204.4	2.0
12	17 Sep 24	14:41	15:01	200.3	202.0	1.7
Average				201.1	202.9	1.7
Confidence Coefficient (CC)						0.4
Relative Accuracy ^{1/} (Compared with RM) (%)						1.0
Relative Accuracy Criteria (Compared with RM)						≤ 20 %

Reference Method : US EPA Method 2

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of Stack Temperature is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 6 (PS-6)

RA Result is within Criteria

Sampled By : Saksit Phaisanphisut

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 1 of 12

Sample Number 24103247-1
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	10:50 AM - 11:10 AM	Degree C	-	-	203	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 2 of 12

Sample Number 24103247-2
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	11:11 AM - 11:31 AM	Degree C	-	-	202	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 3 of 12

Sample Number 24103247-3
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	11:32 AM - 11:52 AM	Degree C	-	-	203	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

- LOD : Limit of Detection
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Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 4 of 12

Sample Number 24103247-4
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	11:53 AM - 12:13 PM	Degree C	-	-	202	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

- LOD : Limit of Detection
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Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 5 of 12

Sample Number 24103247-5

Sampled Date Sep 17, 2024

Sample Description Emission from Stationary Source

Location Furnace 1 (GPS 47P 0734130, 1404515)

Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	12:14 PM - 12:34 PM	Degree C	-	-	202	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

- LOD : Limit of Detection

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 6 of 12

Sample Number 24103247-6

Sampled Date Sep 17, 2024

Sample Description Emission from Stationary Source

Location Furnace 1 (GPS 47P 0734130, 1404515)

Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	12:35 PM - 12:55 PM	Degree C	-	-	201	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

- LOD : Limit of Detection

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 7 of 12

Sample Number 24103247-7
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	12:56 PM - 01:16 PM	Degree C	-	-	203	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 8 of 12

Sample Number 24103247-8
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	01:17 PM - 01:37 PM	Degree C	-	-	204	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 9 of 12

Sample Number 24103247-9
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	01:38 PM - 01:58 PM	Degree C	-	-	204	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 10 of 12

Sample Number 24103247-10
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	01:59 PM - 02:19 PM	Degree C	-	-	205	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 11 of 12

Sample Number 24103247-11
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	02:20 PM - 02:40 PM	Degree C	-	-	204	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103247

Date Received : Sep 17, 2024

Date Reported : Sep 20, 2024

Report Number : 3103630-1

Page 12 of 12

Sample Number 24103247-12
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	02:41 PM - 03:01 PM	Degree C	-	-	202	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417225
Date Received : Sep 19, 2024
Date Reported : Oct 03, 2024
Report Number : 2910535-1

Page 1 of 3

Sample Number : 2417225-1
Sampled Date : Sep 17, 2024
Sample Description : Emission from Stationary Source
Location : Furnace 2 (GPS 47P 0734143, 1404493)
Parameter : NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	17 Sep 24	10:40	11:00	12.33	13.62	11.47	12.64	1.17
2	17 Sep 24	11:01	11:21	12.10	13.84	11.25	12.82	1.57
3	17 Sep 24	11:22	11:42	12.05	13.90	11.24	12.91	1.67
4	17 Sep 24	11:43	12:03	11.81	13.72	11.09	12.79	1.70
5*	17 Sep 24	12:04	12:24	11.45	13.53	10.75	12.61	1.86
6*	17 Sep 24	12:25	12:45	11.49	13.52	10.80	12.60	1.81
7*	17 Sep 24	12:46	13:06	10.93	13.21	10.33	12.38	2.05
8	17 Sep 24	13:07	13:27	11.87	13.45	12.43	13.85	1.42
9	17 Sep 24	13:28	13:48	13.71	15.27	16.96	18.64	1.68
10	17 Sep 24	13:49	14:09	13.58	14.13	17.01	17.46	0.45
11	17 Sep 24	14:10	14:30	13.74	14.40	17.07	17.68	0.61
12	17 Sep 24	14:31	14:51	13.70	14.51	16.38	17.19	0.81
Average						13.88	15.11	1.23
Confidence Coefficient (CC)								0.38
Relative Accuracy (Compared with RM) (%)								10.67
Relative Accuracy Criteria ^{1/} (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

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

RA Result is within Criteria

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 7-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 7-204-ก-0003

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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 : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417225
Date Received : Sep 19, 2024
Date Reported : Oct 03, 2024
Report Number : 2910535-1

Page 2 of 3

Sample Number : 2417225-1
Sampled Date : Sep 17, 2024
Sample Description : Emission from Stationary Source
Location : Furnace 2 (GPS 47P 0734143, 1404493)
Parameter : CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	17 Sep 24	10:40	11:00	124.40	110.37	115.67	102.38	-13.29
2	17 Sep 24	11:01	11:21	142.15	116.92	132.21	108.31	-23.91
3	17 Sep 24	11:22	11:42	155.77	129.36	145.30	120.16	-25.14
4	17 Sep 24	11:43	12:03	190.52	154.27	178.79	143.80	-34.98
5*	17 Sep 24	12:04	12:24	251.33	199.49	236.05	185.91	-50.14
6*	17 Sep 24	12:25	12:45	278.29	223.51	261.43	208.30	-53.12
7*	17 Sep 24	12:46	13:06	335.18	268.56	316.73	251.64	-65.09
8	17 Sep 24	13:07	13:27	246.02	214.13	257.48	220.44	-37.04
9	17 Sep 24	13:28	13:48	80.67	74.48	99.77	90.93	-8.84
10	17 Sep 24	13:49	14:09	72.30	64.46	90.56	79.66	-10.90
11	17 Sep 24	14:10	14:30	73.47	63.94	91.26	78.51	-12.76
12	17 Sep 24	14:31	14:51	95.33	81.06	113.97	96.07	-17.90
Average						136.11	115.58	-20.53
Confidence Coefficient (CC)								7.99
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)								4.13
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard)								≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

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

Emission Standard 690 ppm at 7%O2

RA Result is within Criteria

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 7-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 7-204-ก-0003

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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 : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417225
Date Received : Sep 19, 2024
Date Reported : Oct 03, 2024
Report Number : 2910535-1

Page 3 of 3

Sample Number : 2417225-1
Sampled Date : Sep 17, 2024
Sample Description : Emission from Stationary Source
Location : Furnace 2 (GPS 47P 0734143, 1404493)
Parameter : O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	17 Sep 24	10:40	11:00	5.95	5.92	-0.04
2	17 Sep 24	11:01	11:21	5.96	5.90	-0.06
3	17 Sep 24	11:22	11:42	6.00	5.94	-0.06
4	17 Sep 24	11:43	12:03	6.09	5.99	-0.10
5	17 Sep 24	12:04	12:24	6.10	5.98	-0.12
6	17 Sep 24	12:25	12:45	6.10	5.99	-0.12
7	17 Sep 24	12:46	13:06	6.19	6.07	-0.13
8*	17 Sep 24	13:07	13:27	7.62	7.40	-0.22
9*	17 Sep 24	13:28	13:48	9.66	9.51	-0.15
10*	17 Sep 24	13:49	14:09	9.80	9.65	-0.15
11	17 Sep 24	14:10	14:30	9.71	9.58	-0.13
12	17 Sep 24	14:31	14:51	9.27	9.17	-0.10
Average				6.82	6.72	-0.09
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.09
Relative Accuracy Criteria ^{1/} (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

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

RA Result is within Criteria

Sampled By : Saksit Phaisanphisut

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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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 : 4515911846
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367
Date Received : Sep 17, 2024
Date Reported : Oct 03, 2024
Report Number : 3103632-2

Page 1 of 1

Sample Number : 24103367-1
Sampled Date : Sep 17, 2024
Sample Description : Emission from Stationary Source
Location : Furnace 2 (GPS 47P 0734143, 1404493)
Parameter : Stack Temperature

Relative Accuracy Test Audit Report

Run No.	Date	Time		Temperature Data		Difference
		Start	Stop	CEMs (°C)	RM (°C)	
1*	17 Sep 24	10:40	11:00	204.4	190.5	-13.9
2*	17 Sep 24	11:01	11:21	204.2	189.5	-14.7
3*	17 Sep 24	11:22	11:42	203.3	191.9	-11.4
4	17 Sep 24	11:43	12:03	201.9	195.5	-6.4
5	17 Sep 24	12:04	12:24	200.3	193.3	-7.0
6	17 Sep 24	12:25	12:45	198.5	190.9	-7.6
7	17 Sep 24	12:46	13:06	197.7	190.7	-7.0
8	17 Sep 24	13:07	13:27	198.2	192.1	-6.1
9	17 Sep 24	13:28	13:48	202.6	196.6	-6.0
10	17 Sep 24	13:49	14:09	198.7	191.4	-7.3
11	17 Sep 24	14:10	14:30	200.2	194.3	-6.0
12	17 Sep 24	14:31	14:51	201.9	196.1	-5.8
Average				200.0	193.4	-6.6
Confidence Coefficient (CC)						0.5
Relative Accuracy ^{1/} (Compared with RM) (%)						3.7
Relative Accuracy Criteria (Compared with RM)						≤ 20 %

Reference Method : US EPA Method 2

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of Stack Temperature is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 6 (PS-6)

RA Result is within Criteria

Sampled By : Saksit Phaisanphisut

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 2-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 1 of 12

Sample Number 24103367-1
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	10:40 AM - 11:00 AM	Degree C	-	-	190	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 2 of 12

Sample Number 24103367-2
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	11:01 AM - 11:21 AM	Degree C	-	-	190	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 3 of 12

Sample Number 24103367-3
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	11:22 AM - 11:42 AM	Degree C	-	-	192	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 4 of 12

Sample Number 24103367-4
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	11:43 AM - 12:03 PM	Degree C	-	-	196	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 5 of 12

Sample Number 24103367-5
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	12:04 PM - 12:24 PM	Degree C	-	-	193	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 6 of 12

Sample Number 24103367-6
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	12:25 PM - 12:45 PM	Degree C	-	-	191	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 7 of 12

Sample Number 24103367-7
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	12:46 PM - 01:06 PM	Degree C	-	-	191	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 8 of 12

Sample Number 24103367-8
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	01:07 PM - 01:27 PM	Degree C	-	-	192	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 9 of 12

Sample Number 24103367-9
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	01:28 PM - 01:48 PM	Degree C	-	-	197	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 10 of 12

Sample Number 24103367-10
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	01:49 PM - 02:09 PM	Degree C	-	-	191	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 11 of 12

Sample Number 24103367-11
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	02:10 PM - 02:30 PM	Degree C	-	-	194	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24103367

Date Received : Sep 17, 2024

Date Reported : Oct 04, 2024

Report Number : 3103632-1

Page 12 of 12

Sample Number 24103367-12
Sampled Date Sep 17, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Sep 19, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Stack Temperature	02:31 PM - 02:51 PM	Degree C	-	-	196	United States Environmental Protection Agency, EPA Method 2	Bangkok

Sampled By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 24105304

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number : 3108214-1C5

Page 1 of 1

Sample Description Air Quality

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

Parameter Nitrogen dioxide (ppm)

Measurement Date Sep 15, 2024 - Sep 22, 2024

Measurement by Nontachai Uppathamp

Time	24105304-1 Sep 15, 2024	24105304-2 Sep 16, 2024	24105304-3 Sep 17, 2024	24105304-4 Sep 18, 2024	24105304-5 Sep 19, 2024	24105304-6 Sep 20, 2024	24105304-7 Sep 21, 2024
10:00 AM - 11:00 AM	0.0055	0.0026	0.0038	0.0043	0.0040	0.0015	0.0011
11:00 AM - 12:00 PM	0.0052	0.0012	0.0029	0.0037	0.0035	0.0013	0.0012
12:00 PM - 01:00 PM	0.0019	0.0009	0.0026	0.0033	0.0045	0.0010	0.0013
01:00 PM - 02:00 PM	0.0015	0.0009	0.0028	0.0029	0.0039	0.0010	0.0013
02:00 PM - 03:00 PM	0.0008	0.0009	0.0027	0.0013	0.0025	0.0010	0.0015
03:00 PM - 04:00 PM	0.0006	0.0007	0.0026	0.0014	0.0019	0.0008	0.0013
04:00 PM - 05:00 PM	0.0008	0.0012	0.0024	0.0015	0.0015	0.0012	0.0018
05:00 PM - 06:00 PM	0.0009	0.0018	0.0033	0.0028	0.0017	0.0014	0.0017
06:00 PM - 07:00 PM	0.0013	0.0016	0.0046	0.0028	0.0021	0.0019	0.0027
07:00 PM - 08:00 PM	0.0017	0.0024	0.0070	0.0028	0.0024	0.0020	0.0024
08:00 PM - 09:00 PM	0.0024	0.0016	0.0063	0.0039	0.0023	0.0014	0.0020
09:00 PM - 10:00 PM	0.0039	0.0019	0.0052	0.0035	0.0023	0.0012	0.0013
10:00 PM - 11:00 PM	0.0031	0.0034	0.0030	0.0027	0.0019	0.0011	0.0012
11:00 PM - 12:00 AM	0.0025	0.0049	0.0028	0.0037	0.0017	0.0012	0.0010
12:00 AM - 01:00 AM	0.0031	0.0029	0.0028	0.0038	0.0015	0.0010	0.0008
01:00 AM - 02:00 AM	0.0016	0.0021	0.0012	0.0024	0.0012	0.0010	0.0008
02:00 AM - 03:00 AM	0.0018	0.0017	0.0013	0.0031	0.0010	0.0007	0.0018
03:00 AM - 04:00 AM	0.0009	0.0012	0.0025	0.0036	0.0020	0.0006	0.0019
04:00 AM - 05:00 AM	0.0007	0.0011	0.0013	0.0031	0.0024	0.0006	0.0017
05:00 AM - 06:00 AM	0.0008	0.0013	0.0020	0.0019	0.0024	0.0006	0.0011
06:00 AM - 07:00 AM	0.0010	0.0028	0.0037	0.0016	0.0011	0.0009	0.0012
07:00 AM - 08:00 AM	0.0011	0.0023	0.0042	0.0022	0.0018	0.0013	0.0022
08:00 AM - 09:00 AM	0.0016	0.0044	0.0040	0.0030	0.0033	0.0019	0.0024
09:00 AM - 10:00 AM	0.0034	0.0038	0.0051	0.0031	0.0017	0.0016	0.0018
Average	0.0020	0.0021	0.0033	0.0028	0.0023	0.0012	0.0016
1hr - Maximum	0.0055	0.0049	0.0070	0.0043	0.0045	0.0020	0.0027
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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

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Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 24105305

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number : 3108215-1C5

Page 1 of 1

Sample Description Air Quality

Location บ้านฉางประจักษ์ (GPS 47P 0735346, 1406705)

Parameter Nitrogen dioxide (ppm)

Measurement Date Sep 15, 2024 - Sep 22, 2024

Measurement by Nontachai Uppathamp

Time	24105305-1 Sep 15, 2024	24105305-2 Sep 16, 2024	24105305-3 Sep 17, 2024	24105305-4 Sep 18, 2024	24105305-5 Sep 19, 2024	24105305-6 Sep 20, 2024	24105305-7 Sep 21, 2024
09:00 AM - 10:00 AM	0.0125	0.0026	0.0038	0.0043	0.0040	0.0015	0.0011
10:00 AM - 11:00 AM	0.0119	0.0012	0.0029	0.0037	0.0035	0.0013	0.0012
11:00 AM - 12:00 PM	0.0019	0.0009	0.0026	0.0033	0.0045	0.0010	0.0013
12:00 PM - 01:00 PM	0.0015	0.0009	0.0028	0.0029	0.0039	0.0010	0.0013
01:00 PM - 02:00 PM	0.0008	0.0009	0.0027	0.0013	0.0025	0.0010	0.0015
02:00 PM - 03:00 PM	0.0006	0.0007	0.0026	0.0014	0.0019	0.0008	0.0013
03:00 PM - 04:00 PM	0.0008	0.0012	0.0024	0.0015	0.0015	0.0012	0.0018
04:00 PM - 05:00 PM	0.0009	0.0018	0.0033	0.0028	0.0017	0.0014	0.0017
05:00 PM - 06:00 PM	0.0013	0.0016	0.0046	0.0028	0.0021	0.0019	0.0027
06:00 PM - 07:00 PM	0.0017	0.0024	0.0070	0.0028	0.0024	0.0020	0.0024
07:00 PM - 08:00 PM	0.0024	0.0016	0.0063	0.0039	0.0023	0.0014	0.0020
08:00 PM - 09:00 PM	0.0039	0.0019	0.0052	0.0035	0.0023	0.0012	0.0013
09:00 PM - 10:00 PM	0.0031	0.0034	0.0030	0.0027	0.0019	0.0011	0.0012
10:00 PM - 11:00 PM	0.0025	0.0049	0.0028	0.0037	0.0017	0.0012	0.0010
11:00 PM - 12:00 AM	0.0031	0.0029	0.0028	0.0038	0.0015	0.0010	0.0008
12:00 AM - 01:00 AM	0.0016	0.0021	0.0012	0.0024	0.0012	0.0010	0.0008
01:00 AM - 02:00 AM	0.0018	0.0017	0.0013	0.0031	0.0010	0.0007	0.0018
02:00 AM - 03:00 AM	0.0009	0.0012	0.0025	0.0036	0.0020	0.0006	0.0019
03:00 AM - 04:00 AM	0.0007	0.0011	0.0013	0.0031	0.0024	0.0006	0.0017
04:00 AM - 05:00 AM	0.0008	0.0013	0.0020	0.0019	0.0024	0.0006	0.0011
05:00 AM - 06:00 AM	0.0010	0.0028	0.0037	0.0016	0.0011	0.0009	0.0012
06:00 AM - 07:00 AM	0.0011	0.0023	0.0042	0.0022	0.0018	0.0013	0.0022
07:00 AM - 08:00 AM	0.0016	0.0044	0.0040	0.0030	0.0033	0.0019	0.0024
08:00 AM - 09:00 AM	0.0034	0.0038	0.0051	0.0031	0.0017	0.0016	0.0018
Average	0.0026	0.0021	0.0033	0.0028	0.0023	0.0012	0.0016
1hr - Maximum	0.0125	0.0049	0.0070	0.0043	0.0045	0.0020	0.0027
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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Orawan Rakyoung
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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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105074

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number: 3107893-1

Page 1 of 1

Sample Description Air Quality

Location สถานีอนามัยนาหวาด (GPS 47P 0735187, 1405873)

Parameter Nitrogen dioxide (ppm)

Measurement Date Sep 15, 2024 - Sep 22, 2024

Measurement by Nontachai Uppathamp

Time	24105074-1 Sep 15, 2024	24105074-2 Sep 16, 2024	24105074-3 Sep 17, 2024	24105074-4 Sep 18, 2024	24105074-5 Sep 19, 2024	24105074-6 Sep 20, 2024	24105074-7 Sep 21, 2024
09:00 AM - 10:00 AM	0.0253	0.0033	0.0027	0.0043	0.0039	0.0084	0.0210
10:00 AM - 11:00 AM	0.0140	0.0090	0.0020	0.0049	0.0043	0.0088	0.0134
11:00 AM - 12:00 PM	0.0142	0.0152	0.0018	0.0065	0.0033	0.0127	0.0058
12:00 PM - 01:00 PM	0.0097	0.0097	0.0020	0.0111	0.0020	0.0099	0.0083
01:00 PM - 02:00 PM	0.0135	0.0110	0.0017	0.0088	0.0023	0.0077	0.0106
02:00 PM - 03:00 PM	0.0161	0.0043	0.0016	0.0185	0.0028	0.0084	0.0107
03:00 PM - 04:00 PM	0.0117	0.0053	0.0013	0.0062	0.0031	0.0220	0.0132
04:00 PM - 05:00 PM	0.0098	0.0153	0.0015	0.0048	0.0114	0.0154	0.0141
05:00 PM - 06:00 PM	0.0108	0.0132	0.0014	0.0138	0.0069	0.0148	0.0147
06:00 PM - 07:00 PM	0.0102	0.0134	0.0014	0.0251	0.0125	0.0257	0.0085
07:00 PM - 08:00 PM	0.0021	0.0159	0.0011	0.0227	0.0126	0.0070	0.0086
08:00 PM - 09:00 PM	0.0023	0.0055	0.0019	0.0241	0.0151	0.0123	0.0052
09:00 PM - 10:00 PM	0.0020	0.0013	0.0037	0.0069	0.0070	0.0252	0.0055
10:00 PM - 11:00 PM	0.0027	0.0014	0.0024	0.0018	0.0057	0.0039	0.0069
11:00 PM - 12:00 AM	0.0109	0.0015	0.0032	0.0018	0.0047	0.0285	0.0058
12:00 AM - 01:00 AM	0.0018	0.0020	0.0017	0.0021	0.0028	0.0172	0.0045
01:00 AM - 02:00 AM	0.0018	0.0027	0.0011	0.0261	0.0016	0.0172	0.0043
02:00 AM - 03:00 AM	0.0031	0.0033	0.0012	0.0072	0.0037	0.0054	0.0046
03:00 AM - 04:00 AM	0.0043	0.0037	0.0012	0.0045	0.0044	0.0045	0.0042
04:00 AM - 05:00 AM	0.0042	0.0014	0.0014	0.0082	0.0055	0.0050	0.0064
05:00 AM - 06:00 AM	0.0162	0.0044	0.0029	0.0217	0.0057	0.0096	0.0103
06:00 AM - 07:00 AM	0.0224	0.0178	0.0039	0.0269	0.0071	0.0098	0.0121
07:00 AM - 08:00 AM	0.0056	0.0054	0.0066	0.0098	0.0104	0.0096	0.0069
08:00 AM - 09:00 AM	0.0040	0.0031	0.0049	0.0066	0.0073	0.0088	0.0125
Average	0.0091	0.0070	0.0023	0.0114	0.0061	0.0124	0.0091
1hr - Maximum	0.0253	0.0178	0.0066	0.0269	0.0151	0.0285	0.0210
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)

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105074

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number: 3124847-1

Page 1 of 1

Sample Description Air Quality

Location สถานีอนามัยนาหวาด (GPS 47P 0731794, 1408788)

Parameter Nitrogen dioxide (ppm)

Measurement Date Sep 15, 2024 - Sep 22, 2024

Measurement by Nontachai Uppathamp

Time	24105074-8 Sep 15, 2024	24105074-9 Sep 16, 2024	24105074-10 Sep 17, 2024	24105074-11 Sep 18, 2024	24105074-12 Sep 19, 2024	24105074-13 Sep 20, 2024	24105074-14 Sep 21, 2024
11:00 AM - 12:00 PM	0.0033	0.0058	0.0038	0.0091	0.0103	0.0066	0.0060
12:00 PM - 01:00 PM	0.0038	0.0059	0.0029	0.0097	0.0088	0.0065	0.0053
01:00 PM - 02:00 PM	0.0052	0.0058	0.0024	0.0080	0.0102	0.0049	0.0048
02:00 PM - 03:00 PM	0.0049	0.0035	0.0031	0.0070	0.0100	0.0052	0.0062
03:00 PM - 04:00 PM	0.0051	0.0041	0.0050	0.0089	0.0082	0.0061	0.0045
04:00 PM - 05:00 PM	0.0044	0.0058	0.0076	0.0113	0.0068	0.0061	0.0044
05:00 PM - 06:00 PM	0.0069	0.0067	0.0104	0.0180	0.0115	0.0080	0.0063
06:00 PM - 07:00 PM	0.0097	0.0116	0.0158	0.0155	0.0150	0.0083	0.0067
07:00 PM - 08:00 PM	0.0128	0.0095	0.0142	0.0065	0.0185	0.0129	0.0066
08:00 PM - 09:00 PM	0.0102	0.0078	0.0171	0.0088	0.0197	0.0127	0.0065
09:00 PM - 10:00 PM	0.0022	0.0119	0.0143	0.0123	0.0184	0.0101	0.0066
10:00 PM - 11:00 PM	0.0045	0.0055	0.0099	0.0162	0.0107	0.0088	0.0083
11:00 PM - 12:00 AM	0.0051	0.0028	0.0175	0.0070	0.0083	0.0058	0.0033
12:00 AM - 01:00 AM	0.0048	0.0022	0.0155	0.0106	0.0136	0.0048	0.0037
01:00 AM - 02:00 AM	0.0061	0.0009	0.0133	0.0108	0.0129	0.0057	0.0018
02:00 AM - 03:00 AM	0.0029	0.0012	0.0099	0.0064	0.0093	0.0064	0.0013
03:00 AM - 04:00 AM	0.0032	0.0011	0.0015	0.0062	0.0064	0.0064	0.0015
04:00 AM - 05:00 AM	0.0063	0.0010	0.0013	0.0033	0.0053	0.0038	0.0025
05:00 AM - 06:00 AM	0.0060	0.0052	0.0019	0.0056	0.0078	0.0079	0.0019
06:00 AM - 07:00 AM	0.0076	0.0090	0.0046	0.0117	0.0106	0.0097	0.0032
07:00 AM - 08:00 AM	0.0077	0.0109	0.0057	0.0137	0.0165	0.0137	0.0049
08:00 AM - 09:00 AM	0.0127	0.0127	0.0082	0.0123	0.0181	0.0177	0.0054
09:00 AM - 10:00 AM	0.0094	0.0088	0.0146	0.0096	0.0148	0.0106	0.0043
10:00 AM - 11:00 AM	0.0079	0.0081	0.0095	0.0128	0.0093	0.0065	0.0043
Average	0.0064	0.0062	0.0088	0.0101	0.0117	0.0081	0.0046
1hr - Maximum	0.0128	0.0127	0.0175	0.0180	0.0197	0.0177	0.0083
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)

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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

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S:\Reports_Air SOxNOx.rpt (2:25PM)



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: 24105307

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number : 3108217-1 CS

Sample Number : 24105307-1 to 7

Parameter : Wind Speed / Wind Direction

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

Sampling Date : Sep 15 - Sep 22, 2024

Sampling by : Nontachai Uppathamp

Time	Sep 15 - Sep 16, 2024			Sep 16 - Sep 17, 2024			Sep 17 - Sep 18, 2024			Sep 18 - Sep 19, 2024			Sep 19 - Sep 20, 2024			Sep 20 - Sep 21, 2024			Sep 21 - Sep 22, 2024		
	WS (m/s)	WD (deg)	S	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	187.0	S	1.5	219.0	SW	3.1	294.0	WNW	1.2	235.0	SW	1.7	269.0	W	0.0	-	-	1.8	207.0	SSW
11:00 AM - 12:00 PM	0.2	-	-	0.4	185.0	S	1.2	294.0	WNW	1.0	296.0	WNW	0.3	198.0	SSW	2.3	248.0	WSW	1.2	189.0	S
12:00 PM - 01:00 PM	4.9	218.0	SW	4.0	174.0	S	0.8	278.0	W	2.9	197.0	SSW	0.3	200.0	SSW	0.4	243.0	WSW	0.9	202.0	SSW
01:00 PM - 02:00 PM	2.1	212.0	SSW	0.1	-	-	1.5	317.0	NW	1.6	182.0	S	1.1	178.0	S	0.6	233.0	SW	0.6	193.0	SSW
02:00 PM - 03:00 PM	3.3	237.0	WSW	0.4	172.0	S	0.8	233.0	SW	1.8	286.0	WNW	1.8	190.0	S	0.0	-	-	1.0	195.0	SSW
03:00 PM - 04:00 PM	1.7	239.0	WSW	0.7	252.0	WSW	1.6	312.0	NW	1.2	216.0	SW	1.0	207.0	SSW	2.2	200.0	SSW	1.1	153.0	SSE
04:00 PM - 05:00 PM	0.4	202.0	SSW	1.4	203.0	SSW	1.1	290.0	WNW	0.4	64.0	ENE	1.1	221.0	SW	3.0	226.0	SW	0.0	-	-
05:00 PM - 06:00 PM	0.4	222.0	SW	1.4	196.0	SSW	1.1	290.0	WNW	0.1	-	-	0.2	-	-	1.4	198.0	SSW	0.6	225.0	SW
06:00 PM - 07:00 PM	0.3	227.0	SW	0.5	155.0	SSE	0.0	-	0.0	-	-	-	0.2	-	-	2.0	184.0	S	1.6	161.0	SSE
07:00 PM - 08:00 PM	2.6	314.0	NW	0.0	-	-	0.7	269.0	W	0.0	-	-	0.0	-	-	2.0	195.0	SSW	0.6	195.0	SSW
08:00 PM - 09:00 PM	4.0	335.0	NNW	2.5	283.0	WNW	0.2	-	-	0.0	-	-	0.8	217.0	SW	1.7	225.0	SW	0.6	227.0	SW
09:00 PM - 10:00 PM	0.6	291.0	WNW	2.5	345.0	NNW	0.1	-	-	3.8	249.0	WSW	0.0	-	-	0.4	183.0	S	1.6	136.0	SE
10:00 PM - 11:00 PM	0.8	285.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	177.0	S	0.8	180.0	S
11:00 PM - 12:00 AM	1.7	311.0	NW	0.4	305.0	NW	0.1	-	-	0.0	-	-	0.0	-	-	0.5	116.0	ESE	1.6	268.0	W
12:00 AM - 01:00 AM	1.0	267.0	W	1.7	115.0	ESE	1.6	284.0	WNW	0.0	-	-	0.4	229.0	SW	0.0	-	-	1.7	204.0	SSW
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	4.1	307.0	NW	0.0	-	-	2.3	295.0	WNW	1.7	217.0	SW	1.3	206.0	SSW
02:00 AM - 03:00 AM	0.4	106.0	ESE	0.0	-	-	0.0	-	-	0.3	273.0	W	0.0	-	-	1.2	217.0	SW	2.5	207.0	SSW
03:00 AM - 04:00 AM	0.0	-	-	0.2	-	-	1.1	311.0	NW	0.0	-	-	1.1	186.0	S	0.0	-	-	1.8	197.0	SSW
04:00 AM - 05:00 AM	0.3	78.0	ENE	0.6	248.0	WSW	2.1	301.0	WNW	0.0	-	-	0.3	213.0	SSW	0.4	187.0	S	0.5	213.0	SSW
05:00 AM - 06:00 AM	0.0	-	-	0.5	240.0	WSW	0.7	331.0	NNW	0.0	-	-	1.5	156.0	SSE	1.6	209.0	SSW	0.8	203.0	SSW
06:00 AM - 07:00 AM	0.1	-	-	0.9	314.0	NW	1.0	357.0	N	0.0	-	-	1.9	233.0	SW	1.3	230.0	SW	0.0	-	-
07:00 AM - 08:00 AM	0.3	233.0	SW	1.2	289.0	WNW	1.1	297.0	WNW	0.0	-	-	1.7	199.0	SSW	1.7	264.0	W	1.0	214.0	SW
08:00 AM - 09:00 AM	2.4	241.0	WSW	1.4	313.0	NW	1.1	287.0	WNW	0.0	-	-	0.4	187.0	S	1.0	190.0	S	2.2	222.0	SW
09:00 AM - 10:00 AM	2.4	178.0	S	1.4	312.0	NW	0.5	218.0	SW	0.1	-	-	0.7	219.0	SW	2.1	207.0	SSW	1.8	248.0	WSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

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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

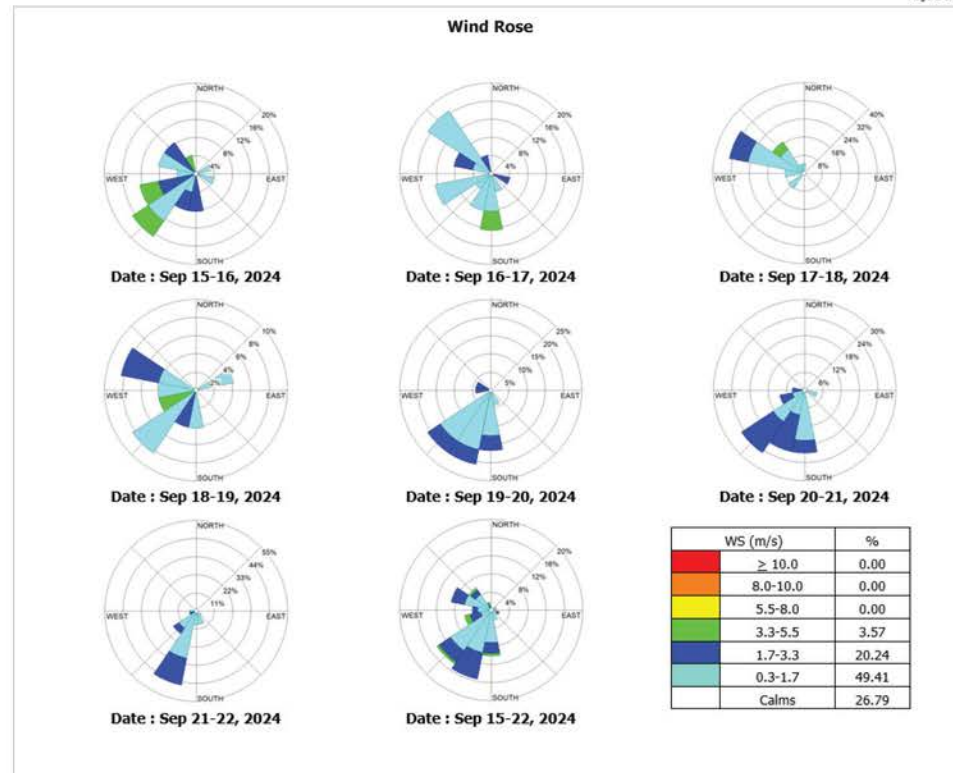
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 24105307

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number : 3108217-1 CS



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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: 24105310

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number : 3108218-1 CS

Sample Number : 24105310-1 to 7

Parameter : Wind Speed / Wind Direction

Location : อนุสาวรีย์ท้าวสุทฤท (GPS 47P 0735346, 1406705)

Sampling Date : Sep 15 - Sep 22, 2024

Sampling by : Nontachai Uppathamp

Time	Sep 15 - Sep 16, 2024		Sep 16 - Sep 17, 2024		Sep 17 - Sep 18, 2024		Sep 18 - Sep 19, 2024		Sep 19 - Sep 20, 2024		Sep 20 - Sep 21, 2024		Sep 21 - Sep 22, 2024	
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)
09:00 AM - 10:00 AM	0.0	-	0.0	-	0.4	154.0 SSE	2.0	302.0 WNW	0.8	299.0 WNW	0.8	195.0 SSW	0.8	196.0 SSW
10:00 AM - 11:00 AM	0.9	183.0 S	0.0	-	1.1	139.0 SE	0.0	-	0.0	-	0.4	225.0 SW	0.6	164.0 SSE
11:00 AM - 12:00 PM	0.9	190.0 S	0.5	255.0 WSW	3.2	305.0 NW	0.0	-	0.2	-	0.3	214.0 SW	1.1	170.0 S
12:00 PM - 01:00 PM	0.0	-	0.5	106.0 ESE	3.6	309.0 NW	0.5	199.0 SSW	0.0	-	0.8	198.0 SSW	1.2	200.0 SSW
01:00 PM - 02:00 PM	0.4	184.0 S	0.0	-	2.1	321.0 NW	0.0	-	0.0	-	0.5	225.0 SW	0.0	-
02:00 PM - 03:00 PM	0.5	144.0 SE	0.0	-	0.9	129.0 SE	0.7	191.0 S	0.5	273.0 W	0.0	-	0.0	-
03:00 PM - 04:00 PM	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.5	198.0 SSW	3.3	170.0 S
04:00 PM - 05:00 PM	0.0	-	0.5	196.0 SSW	0.0	-	0.5	24.0 NNE	0.0	-	0.0	-	0.2	-
05:00 PM - 06:00 PM	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.7	235.0 SW	0.6	193.0 SSW
06:00 PM - 07:00 PM	2.4	239.0 WSW	0.6	185.0 S	0.0	-	0.0	-	0.0	-	2.8	159.0 SSE	0.0	-
07:00 PM - 08:00 PM	2.3	291.0 WNW	0.0	-	0.0	-	0.0	-	0.0	-	1.3	169.0 S	1.5	172.0 S
08:00 PM - 09:00 PM	0.2	-	0.7	124.0 SE	0.0	-	0.0	-	0.0	-	1.4	187.0 S	0.6	245.0 WSW
09:00 PM - 10:00 PM	1.2	206.0 SSW	1.9	269.0 W	0.0	-	0.0	-	0.0	-	0.0	-	0.6	242.0 WSW
10:00 PM - 11:00 PM	1.3	242.0 WSW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
11:00 PM - 12:00 AM	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
12:00 AM - 01:00 AM	0.0	-	0.0	-	0.0	-	0.6	317.0 NW	0.0	-	0.9	180.0 S	0.0	-
01:00 AM - 02:00 AM	0.0	-	0.0	-	1.8	344.0 NNW	0.7	335.0 NNW	0.0	-	0.1	-	0.9	215.0 SW
02:00 AM - 03:00 AM	0.0	-	0.0	-	0.4	341.0 NNW	0.0	-	0.0	-	0.6	183.0 S	1.2	174.0 S
03:00 AM - 04:00 AM	0.4	2.0 N	0.0	-	1.0	333.0 NNW	0.0	-	0.0	-	1.0	178.0 S	2.3	206.0 SSW
04:00 AM - 05:00 AM	1.2	21.0 NNE	0.0	-	0.0	-	0.0	-	0.5	208.0 SSW	0.0	-	0.0	-
05:00 AM - 06:00 AM	0.6	333.0 NNW	0.0	-	1.6	345.0 NNW	0.0	-	0.0	-	0.6	179.0 S	0.0	-
06:00 AM - 07:00 AM	1.1	322.0 NW	0.0	-	0.7	315.0 NW	0.0	-	0.0	-	0.4	176.0 S	0.1	-
07:00 AM - 08:00 AM	0.4	311.0 NW	0.0	-	0.0	-	0.0	-	1.4	213.0 SSW	0.0	-	1.2	248.0 WSW
08:00 AM - 09:00 AM	0.6	299.0 WNW	1.0	309.0 NW	0.0	-	0.0	-	0.0	-	0.8	143.0 SE	0.4	250.0 WSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

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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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

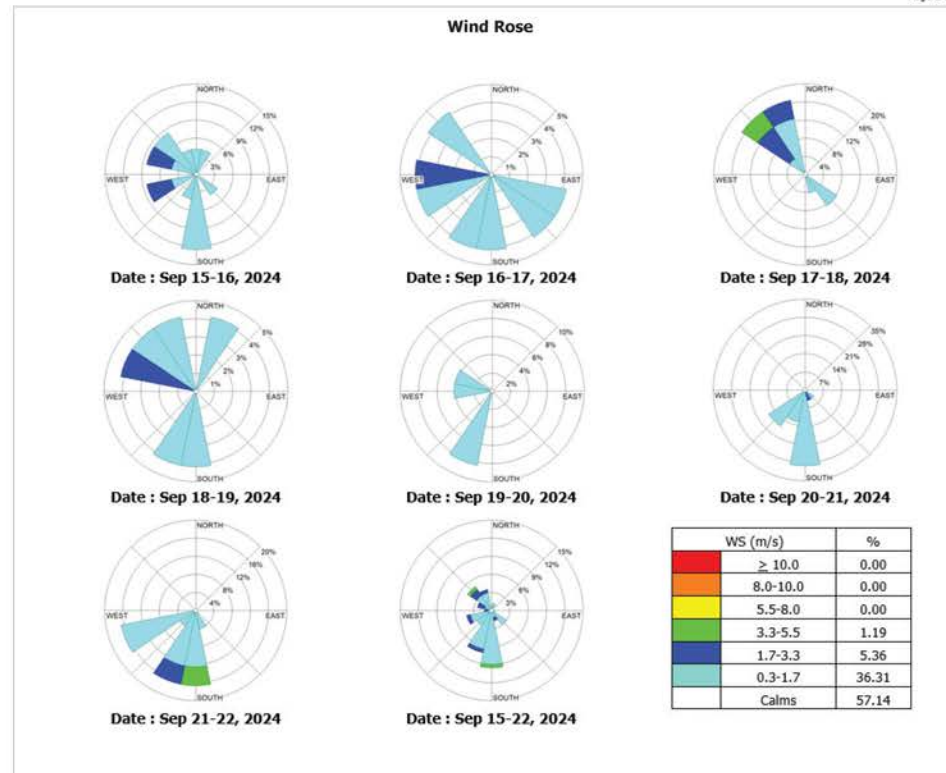
Lot ID: 24105310

Date Received : Sep 24, 2024

Date Reported : Sep 28, 2024

Report Number : 3108218-1 CS

Page 2 of 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

Lot ID: 24105076
Date Received :Sep 24, 2024
Date Reported :Sep 27, 2024
Report Number :3107894-1

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Sample Number : 24105076-1 to 7
Parameter : Wind Speed / Wind Direction
Location : สถานีอนามัยนาตาพุด (GPS 47P 0735187, 1405873)
Sampling Date : Sep 15 - Sep 22, 2024
Sampling by : Nontachai Uppathamp

Time	Sep 15 - Sep 16, 2024		Sep 16 - Sep 17, 2024		Sep 17 - Sep 18, 2024		Sep 18 - Sep 19, 2024		Sep 19 - Sep 20, 2024		Sep 20 - Sep 21, 2024		Sep 21 - Sep 22, 2024	
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)
09:00 AM - 10:00 AM	1.9	160.0	SSE	1.5	324.0	NW	1.6	242.0	WSW	0.8	280.0	W	0.0	-
10:00 AM - 11:00 AM	0.0	-	-	1.4	242.0	WSW	0.4	142.0	SE	1.3	221.0	SW	0.9	216.0
11:00 AM - 12:00 PM	2.5	198.0	SSW	1.8	251.0	WSW	0.6	350.0	N	1.8	189.0	S	0.4	301.0
12:00 PM - 01:00 PM	1.3	210.0	SSW	3.2	214.0	SW	0.9	297.0	WNW	0.2	-	-	1.1	228.0
01:00 PM - 02:00 PM	1.5	255.0	WSW	1.5	193.0	SSW	2.3	264.0	W	0.4	300.0	WNW	1.0	305.0
02:00 PM - 03:00 PM	0.9	183.0	S	0.9	250.0	WSW	2.6	300.0	WNW	0.0	-	-	0.0	-
03:00 PM - 04:00 PM	0.3	144.0	SE	1.1	2.0	N	0.6	261.0	W	0.0	-	-	0.0	-
04:00 PM - 05:00 PM	0.0	-	-	2.8	213.0	SSW	0.0	-	-	0.3	63.0	ENE	0.9	195.0
05:00 PM - 06:00 PM	0.0	-	-	0.9	128.0	SE	0.0	-	-	0.0	-	-	1.5	268.0
06:00 PM - 07:00 PM	0.9	338.0	NNW	0.1	-	-	0.4	266.0	W	0.1	-	-	0.0	-
07:00 PM - 08:00 PM	0.7	354.0	N	0.0	-	-	0.0	-	-	0.3	10.0	N	0.9	180.0
08:00 PM - 09:00 PM	2.1	214.0	SW	0.7	340.0	NNW	0.0	-	-	0.0	-	-	2.0	206.0
09:00 PM - 10:00 PM	0.5	242.0	WSW	0.2	-	-	1.1	62.0	ENE	0.0	-	-	0.0	-
10:00 PM - 11:00 PM	0.7	308.0	NW	1.2	310.0	NW	0.0	-	-	0.0	-	-	1.1	244.0
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.6	320.0	NW	0.0	-	-	0.4	188.0
12:00 AM - 01:00 AM	0.7	18.0	NNE	0.0	-	-	1.8	314.0	NW	0.0	-	-	0.5	235.0
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	221.0
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	1.8	23.0	NNE	0.0	-	-	0.6	200.0
03:00 AM - 04:00 AM	0.0	-	-	1.2	298.0	WNW	1.3	304.0	NW	0.0	-	-	3.1	245.0
04:00 AM - 05:00 AM	0.0	-	-	0.3	211.0	SSW	0.0	-	-	0.0	-	-	2.5	221.0
05:00 AM - 06:00 AM	0.0	-	-	0.3	15.0	NNE	0.4	322.0	NW	0.2	-	-	0.3	287.0
06:00 AM - 07:00 AM	0.4	311.0	NW	0.0	-	-	0.0	-	-	0.0	-	-	1.2	306.0
07:00 AM - 08:00 AM	1.5	226.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	1.2	249.0
08:00 AM - 09:00 AM	1.1	249.0	WSW	0.6	230.0	SW	1.2	273.0	W	0.7	233.0	SW	0.8	225.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

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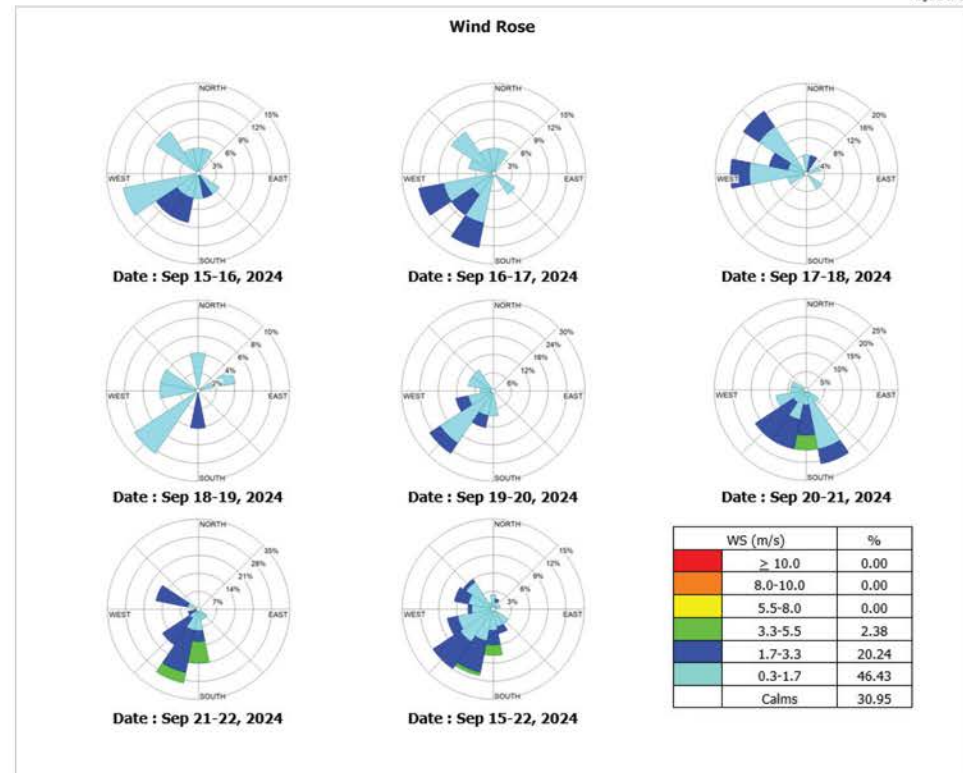
Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150

Lot ID: 24105076
Date Received :Sep 24, 2024
Date Reported :Sep 27, 2024
Report Number :3107894-1

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)



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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Sample Number : 24105076-8 to 14
Parameter : Wind Speed / Wind Direction
Location : ศูนย์วิจัยปิโตรฯ จังหวัดระยอง (GPS 47P 0731794, 1408788)
Sampling Date : Sep 15 - Sep 22, 2024
Sampling by : Nontachai Uppathamp

Lot ID: 24105076

Date Received : Sep 24, 2024

Date Reported : Sep 27, 2024

Report Number : 3107894-1

Page 1 of 2

Time	Sep 15 - Sep 16, 2024			Sep 16 - Sep 17, 2024			Sep 17 - Sep 18, 2024			Sep 18 - Sep 19, 2024			Sep 19 - Sep 20, 2024			Sep 20 - Sep 21, 2024			Sep 21 - Sep 22, 2024		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	1.3	242.0	WSW	2.3	306.0	NW	1.1	315.0	NW	1.0	303.0	WNW	0.7	229.0	SW	0.3	246.0	WSW	0.0	-	-
12:00 PM - 01:00 PM	1.0	214.0	SW	2.6	359.0	N	0.0	-	-	2.0	229.0	SW	0.3	299.0	WNW	0.0	-	-	0.0	-	-
01:00 PM - 02:00 PM	1.4	270.0	W	4.0	22.0	NNE	2.1	307.0	NW	2.8	341.0	NNW	2.8	298.0	WNW	1.1	234.0	SW	2.0	256.0	WSW
02:00 PM - 03:00 PM	0.4	235.0	SW	0.7	268.0	W	0.0	-	-	0.0	-	-	0.0	-	-	0.8	251.0	WSW	2.7	258.0	WSW
03:00 PM - 04:00 PM	0.2	-	-	1.1	315.0	NW	0.1	-	-	1.8	293.0	WNW	1.0	275.0	W	0.0	-	-	1.5	220.0	SW
04:00 PM - 05:00 PM	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	299.0	WNW	0.4	262.0	W	0.7	267.0	W
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.8	60.0	ENE	0.0	-	-	0.0	-	-	1.8	250.0	WSW
06:00 PM - 07:00 PM	2.9	329.0	NNW	0.0	-	0.0	0.0	-	-	0.2	-	-	1.2	278.0	W	0.5	246.0	WSW	0.0	-	-
07:00 PM - 08:00 PM	0.5	264.0	W	0.0	-	0.2	-	-	0.4	58.0	ENE	0.0	-	-	0.0	0.0	-	0.4	352.0	N	-
08:00 PM - 09:00 PM	0.0	-	-	2.6	312.0	NW	0.4	60.0	ENE	0.0	-	-	0.3	274.0	W	1.4	309.0	NW	0.0	-	-
09:00 PM - 10:00 PM	1.0	252.0	WSW	0.0	-	-	1.0	24.0	NNE	0.4	260.0	W	0.0	-	-	0.0	-	-	0.7	272.0	W
10:00 PM - 11:00 PM	0.0	-	-	2.0	359.0	N	0.0	-	-	1.0	0.0	N	0.4	330.0	NNW	0.0	-	-	0.6	245.0	WSW
11:00 PM - 12:00 AM	0.2	-	-	0.0	-	0.0	-	0.0	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.4	118.0	ESE	0.1	-	-	0.4	344.0	NNW	2.2	357.0	N	0.2	-	-	0.2	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.3	151.0	SSE	1.5	17.0	NNE	1.4	318.0	NW	0.4	318.0	NW	0.0	-	-	0.2	-	-
02:00 AM - 03:00 AM	0.5	91.0	E	0.0	-	-	1.5	87.0	E	0.0	-	-	0.0	-	-	0.2	-	-	0.6	271.0	W
03:00 AM - 04:00 AM	0.0	-	-	0.2	-	-	2.5	346.0	NNW	0.0	-	-	0.0	-	-	0.4	275.0	W	0.2	-	-
04:00 AM - 05:00 AM	0.3	20.0	NNE	0.0	-	0.0	-	-	0.2	-	-	2.2	290.0	WNW	0.3	278.0	W	0.1	-	-	
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	1.5	355.0	N	0.4	83.0	E	0.8	297.0	WNW	1.2	262.0	W	1.0	227.0	SW
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	0.0	-	-	1.5	48.0	NE	0.0	-	-	0.0	-	-	0.2	-	-	-
07:00 AM - 08:00 AM	1.3	336.0	NNW	1.4	359.0	N	1.4	178.0	S	1.4	43.0	NE	3.2	278.0	W	0.9	274.0	W	0.6	262.0	W
08:00 AM - 09:00 AM	0.3	316.0	NW	0.7	330.0	NNW	0.8	277.0	W	0.5	288.0	WNW	0.1	-	-	0.4	257.0	WSW	2.4	256.0	WSW
09:00 AM - 10:00 AM	0.5	266.0	W	1.3	300.0	WNW	0.0	-	0.0	-	-	1.5	285.0	WNW	1.6	225.0	SW	1.2	244.0	WSW	
10:00 AM - 11:00 AM	0.0	-	-	2.2	324.0	NW	1.2	294.0	WNW	1.6	278.0	W	0.0	-	-	1.4	234.0	SW	0.3	248.0	WSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
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Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

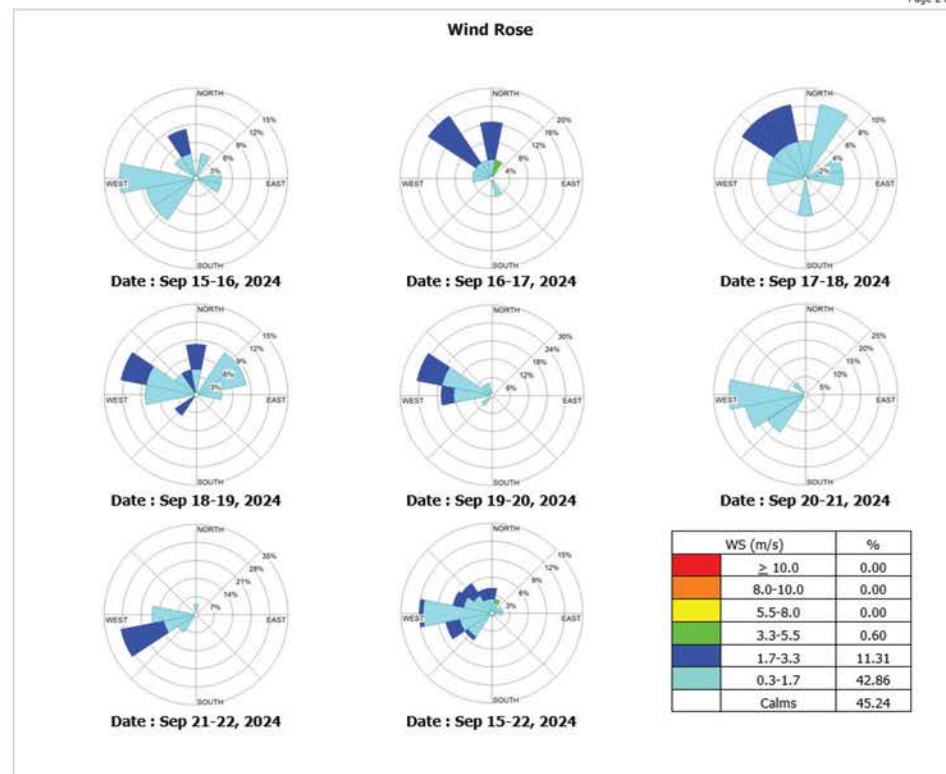
Lot ID: 24105076

Date Received : Sep 24, 2024

Date Reported : Sep 27, 2024

Report Number : 3107894-1

Page 2 of 2



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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 1 of 12

Sample Number 24105077-1
Sampled Date Sep 17, 2024
Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉาง) (GPS 47P 0735520, 1402767)
Date Analysis Commenced Sep 25, 2024
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	17/09/24 - 18/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 2 of 12

Sample Number 24105077-2
Sampled Date Sep 18, 2024
Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉาง) (GPS 47P 0735520, 1402767)
Date Analysis Commenced Sep 25, 2024
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	18/09/24 - 19/09/24	ppm	-	0.4	0.8	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 3 of 12

Sample Number 24105077-3
Sampled Date Sep 19, 2024
Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉาง) (GPS 47P 0735520, 1402767)
Date Analysis Commenced Sep 25, 2024
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	19/09/24 - 20/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 4 of 12

Sample Number 24105077-4
Sampled Date Sep 17, 2024
Sample Description Air Quality
Location บ้านฉางประจักษ์ (GPS 47P 0735346, 1406705)
Date Analysis Commenced Sep 25, 2024
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	17/09/24 - 18/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 5 of 12

Sample Number 24105077-5
Sampled Date Sep 18, 2024
Sample Description Air Quality
Location ม้าหวด (GPS 47P 0735346, 1406705)
Date Analysis Commenced Sep 25, 2024
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	18/09/24 - 19/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 6 of 12

Sample Number 24105077-6
Sampled Date Sep 19, 2024
Sample Description Air Quality
Location ม้าหวด (GPS 47P 0735346, 1406705)
Date Analysis Commenced Sep 25, 2024
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	19/09/24 - 20/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

- LOD : Limit of Detection
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Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 7 of 12

Sample Number 24105077-7
Sampled Date Sep 17, 2024
Sample Description Air Quality
Location สถานีอนามัยเขาตฤณ (GPS 47P 0735187, 1405873)
Date Analysis Commenced Sep 25, 2024
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	17/09/24 - 18/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 8 of 12

Sample Number 24105077-8
Sampled Date Sep 18, 2024
Sample Description Air Quality
Location สถานีอนามัยเขาตฤณ (GPS 47P 0735187, 1405873)
Date Analysis Commenced Sep 25, 2024
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	18/09/24 - 19/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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4989-122/ EMAIL



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 9 of 12

Sample Number 24105077-9
Sampled Date Sep 19, 2024
Sample Description Air Quality
Location สถานีอนามัยบางตาตุบ (GPS 47P 0735187, 1405873)
Date Analysis Commenced Sep 25, 2024
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	19/09/24 - 20/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 10 of 12

Sample Number 24105077-10
Sampled Date Sep 17, 2024
Sample Description Air Quality
Location ศูนย์วิจัยพืชไร่นา จังหวัดระยอง (GPS 47P 0731794, 1408788)
Date Analysis Commenced Sep 25, 2024
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	17/09/24 - 18/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 11 of 12

Sample Number 24105077-11
Sampled Date Sep 18, 2024
Sample Description Air Quality
Location ศูนย์วิจัยปิโตรเลียมฯ จ.ระยอง (GPS 47P 0731794, 1408788)
Date Analysis Commenced Sep 25, 2024
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	18/09/24 - 19/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105077

Date Received : Sep 24, 2024

Date Reported : Oct 02, 2024

Report Number : 3107912-1C5

Page 12 of 12

Sample Number 24105077-12
Sampled Date Sep 19, 2024
Sample Description Air Quality
Location ศูนย์วิจัยปิโตรเลียมฯ จ.ระยอง (GPS 47P 0731794, 1408788)
Date Analysis Commenced Sep 25, 2024
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Non-Methane Hydrocarbon as Propane	19/09/24 - 20/09/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Nontachai Uppathamp

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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ภาคผนวก ค-3

ปริมาณสารอินทรีย์ระเหยในบรรยากาศ (VOCs)



Analysis / Test Report

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2472397

Date Received : Jul 02, 2024

Date Reported : Jul 11, 2024

Report Number : 3034122-1C5

Page 1 of 3

Sample Number 2472397-1
Sampled Date Jul 01, 2024
Sample Description Air Quality
Location บ้านนาหนองพยอม (GPS 47P 0735350, 1406704)
Date Analysis Commenced Jul 03, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 29.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/07/24 - 02/07/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/07/24 - 02/07/24	ug/m3	0.05	0.16	2.68	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/07/24 - 02/07/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/07/24 - 02/07/24	ug/m3	0.60	1.76	4.30	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/07/24 - 02/07/24	ug/m3	0.30	0.86	9.60	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/07/24 - 02/07/24	ug/m3	0.60	1.88	6.18	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 : Nontachai Uppathamp

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : 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: 2472397

Date Received : Jul 02, 2024

Date Reported : Jul 11, 2024

Report Number : 3034122-1C5

Page 2 of 3

Sample Number 2472397-2
Sampled Date Jul 01, 2024
Sample Description Air Quality
Location โรงเรือนฟาร์มหนองพยอม (GPS 47P 0723821, 1403299)
Date Analysis Commenced Jul 03, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 29.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/07/24 - 02/07/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/07/24 - 02/07/24	ug/m3	0.05	0.16	0.38	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/07/24 - 02/07/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/07/24 - 02/07/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/07/24 - 02/07/24	ug/m3	0.30	0.86	3.99	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/07/24 - 02/07/24	ug/m3	0.60	1.88	2.64	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Nontachai Uppathamp

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : 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: 2472397

Date Received : Jul 02, 2024

Date Reported : Jul 11, 2024

Report Number : 3034122-1C5

Page 3 of 3

Sample Number 2472397-3
Sampled Date Jul 01, 2024
Sample Description Air Quality
Location สถานีอนามัยบางตาพูด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Jul 03, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 755 mmHg
Atmospheric Temperature 29.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/07/24 - 02/07/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/07/24 - 02/07/24	ug/m3	0.05	0.16	2.30	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/07/24 - 02/07/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/07/24 - 02/07/24	ug/m3	0.60	1.76	3.03	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/07/24 - 02/07/24	ug/m3	0.30	0.86	9.91	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/07/24 - 02/07/24	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 : Map Ta Phut Public Health Center station has moderate traffic. Normal activity, Cloudy, Nearby Temple, school and Community

Sampled By : Nontachai Uppathamp

Remark :

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

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Tanyatorn Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2472399

Date Received : Jul 02, 2024

Date Reported : Jul 05, 2024

Report Number : 3034129-1

Page 1 of 2

Sample Number 2472399-1
Parameter Wind Speed / Wind Direction
Location สถานีอนามัยบางตาพูด (GPS 47P 0735207, 1405888)
Sampling Date Jul 01 - Jul 02, 2024
Sampling by Nontachai Uppathamp

Time	Jul 01 - Jul 02, 2024															
	WS (m/s)	WD (deg)														
09:00 AM - 10:00 AM	1.6	233.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	3.5	176.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	2.4	225.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	3.7	229.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.5	199.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.4	249.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.3	273.0	W	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.8	53.0	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.2	318.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.3	204.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.4	149.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.8	222.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.4	184.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.4	10.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.3	343.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.5	10.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.4	95.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.3	64.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.0	11.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.2	15.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.6	222.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

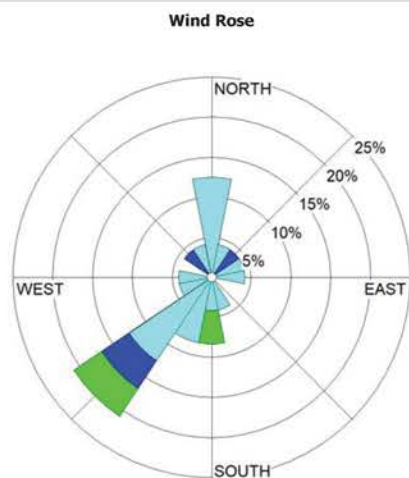
Lot ID: 2472399

Date Received : Jul 02, 2024

Date Reported : Jul 05, 2024

Report Number : 3034129-1

Page 2 of 2



Date : Jul 01-02, 2024

	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	66.67
	Calms	12.50

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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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485377

Date Received : Aug 02, 2024

Date Reported : Aug 09, 2024

Report Number : 3065104-1C5

Page 1 of 3

Sample Number 2485377-1
Sampled Date Aug 01, 2024
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Aug 05, 2024
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	01/08/24 - 02/08/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/08/24 - 02/08/24	ug/m3	0.05	0.16	0.32	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/08/24 - 02/08/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/08/24 - 02/08/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/08/24 - 02/08/24	ug/m3	0.30	0.86	<0.86	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/08/24 - 02/08/24	ug/m3	0.60	1.88	<1.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Suphanut Psaipan

Remark :

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

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Approved by

Tanyatorn Mongkonjirawut
Supervisor

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4989-122/ (P)A3L



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: 2485377

Date Received : Aug 02, 2024

Date Reported : Aug 09, 2024

Report Number : 3065104-1C5

Page 2 of 3

Sample Number 2485377-2
Sampled Date Aug 01, 2024
Sample Description Air Quality
Location โรงเรือนฆ่าหนวดแมลง (GPS 47P 0723821, 1403299)
Date Analysis Commenced Aug 05, 2024
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	01/08/24 - 02/08/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/08/24 - 02/08/24	ug/m3	0.05	0.16	<0.16	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/08/24 - 02/08/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/08/24 - 02/08/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/08/24 - 02/08/24	ug/m3	0.30	0.86	1.65	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/08/24 - 02/08/24	ug/m3	0.60	1.88	<1.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Suphanut Pisaipan

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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4989-122/ (P)MIL



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: 2485377

Date Received : Aug 02, 2024

Date Reported : Aug 09, 2024

Report Number : 3065104-1C5

Page 3 of 3

Sample Number 2485377-3
Sampled Date Aug 01, 2024
Sample Description Air Quality
Location สถานีอนามัยเทศบาล (GPS 47P 0735207, 1405888)
Date Analysis Commenced Aug 05, 2024
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	01/08/24 - 02/08/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/08/24 - 02/08/24	ug/m3	0.05	0.16	0.70	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/08/24 - 02/08/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/08/24 - 02/08/24	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/08/24 - 02/08/24	ug/m3	0.30	0.86	2.20	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/08/24 - 02/08/24	ug/m3	0.60	1.88	2.19	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Suphanut Pisaipan

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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4989-122/ (P)MIL



Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2485378

Date Received :Aug 02, 2024

Date Reported :Aug 06, 2024

Report Number :3065155-1

Sample Number : 2485378-1
Parameter : Wind Speed / Wind Direction
Location : สถานีอนามัยนาตาพุด (GPS 47P 0735207, 1405888)
Sampling Date : Aug 01 - Aug 02, 2024
Sampling by : Suphanut Pisaipan

Time	Aug 01 - Aug 02, 2024											
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.5	336.0	NNW	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.5	335.0	NNW	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.4	304.0	NW	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.4	5.0	N	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.2	245.0	WSW	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.4	283.0	WNW	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.7	213.0	SSW	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.0	311.0	NW	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.6	157.0	SSE	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.5	152.0	SSE	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.7	324.0	NW	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.7	298.0	WNW	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.3	168.0	SSE	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.3	174.0	S	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.3	179.0	S	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	3.0	149.0	SSE	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.2	283.0	WNW	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.3	289.0	WNW	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.7	274.0	W	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.6	277.0	W	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

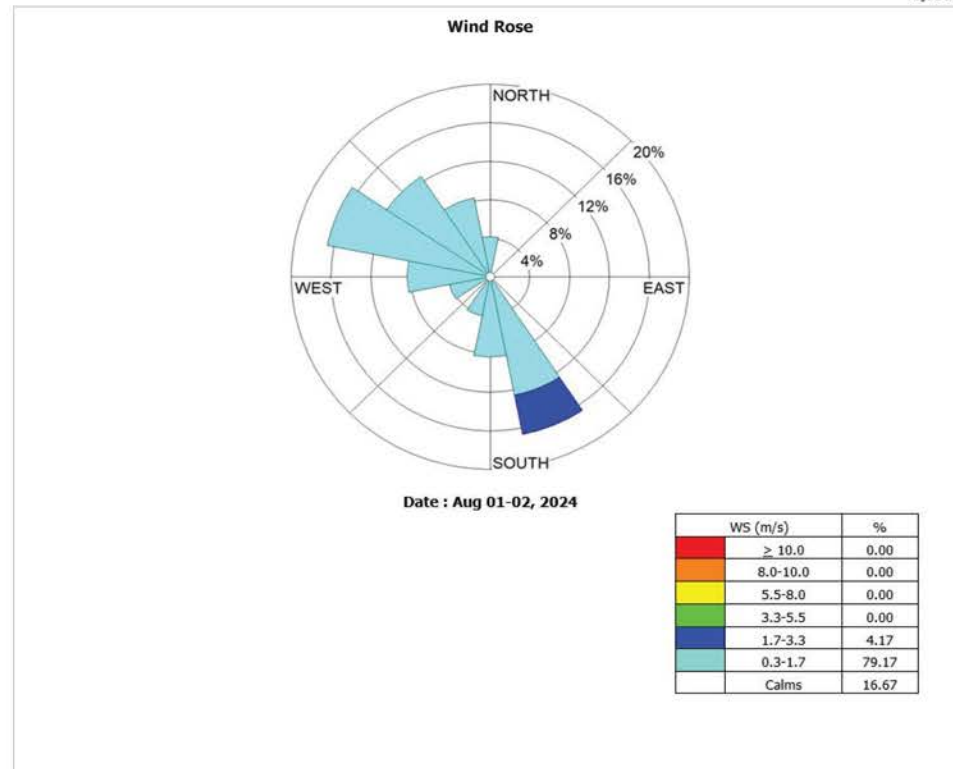
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2485378

Date Received :Aug 02, 2024

Date Reported :Aug 06, 2024

Report Number :3065155-1



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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2496027

Date Received : Sep 03, 2024

Date Reported : Sep 11, 2024

Report Number : 3088317-1C5

Page 1 of 3

Sample Number 2496027-1
Sampled Date Sep 02, 2024
Sample Description Air Quality
Location บ้านนาหนอง (GPS 47P 0735350, 1406704)
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, 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									
1,4-Dichlorobenzene	02/09/24 - 03/09/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/09/24 - 03/09/24	ug/m3	0.05	0.16	1.98	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/09/24 - 03/09/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/09/24 - 03/09/24	ug/m3	0.60	1.76	2.19	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/09/24 - 03/09/24	ug/m3	0.30	0.86	6.16	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/09/24 - 03/09/24	ug/m3	0.60	1.88	5.65	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Tarin Octjinda

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : 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: 2496027

Date Received : Sep 03, 2024

Date Reported : Sep 11, 2024

Report Number : 3088317-1C5

Page 2 of 3

Sample Number 2496027-2
Sampled Date Sep 02, 2024
Sample Description Air Quality
Location โรงเรือนฟาร์มของหมู (GPS 47P 0723821, 1403299)
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, 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									
1,4-Dichlorobenzene	02/09/24 - 03/09/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/09/24 - 03/09/24	ug/m3	0.05	0.16	0.96	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/09/24 - 03/09/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/09/24 - 03/09/24	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/09/24 - 03/09/24	ug/m3	0.30	0.86	4.72	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/09/24 - 03/09/24	ug/m3	0.60	1.88	2.79	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Tarin Octjinda

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : 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: 2496027

Date Received : Sep 03, 2024

Date Reported : Sep 11, 2024

Report Number : 3088317-1C5

Page 3 of 3

Sample Number 2496027-3
Sampled Date Sep 02, 2024
Sample Description Air Quality
Location สถานีอนามัยบางตาพูด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, 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									
1,4-Dichlorobenzene	02/09/24 - 03/09/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/09/24 - 03/09/24	ug/m3	0.05	0.16	2.62	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/09/24 - 03/09/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/09/24 - 03/09/24	ug/m3	0.60	1.76	2.11	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/09/24 - 03/09/24	ug/m3	0.30	0.86	6.92	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/09/24 - 03/09/24	ug/m3	0.60	1.88	5.50	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Tarin Octjinda

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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4089-122/19MIL



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2496030

Date Received : Sep 03, 2024

Date Reported : Sep 06, 2024

Report Number : 3088322-1

Page 1 of 2

Sample Number 2496030-1
Parameter Wind Speed / Wind Direction
Location สถานีอนามัยบางตาพูด (GPS 47P 0735207, 1405888)
Sampling Date Sep 02 - Sep 03, 2024
Sampling by Tarin Octjinda

Time	Sep 02 - Sep 03, 2024															
	WS (m/s)	WD (deg)														
09:00 AM - 10:00 AM	1.3	12.0	NNE	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.7	101.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.6	91.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.1	70.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	8.1	73.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.8	110.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.7	101.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.5	158.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.4	128.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.6	196.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.7	190.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.7	188.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.7	185.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.8	199.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.6	189.0	S	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.7	100.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.7	110.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.6	138.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.6	194.0	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.6	109.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.8	99.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.5	111.0	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.7	93.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.0	82.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-

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, I-4 Road, Muang, Rayong Thailand 21150

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

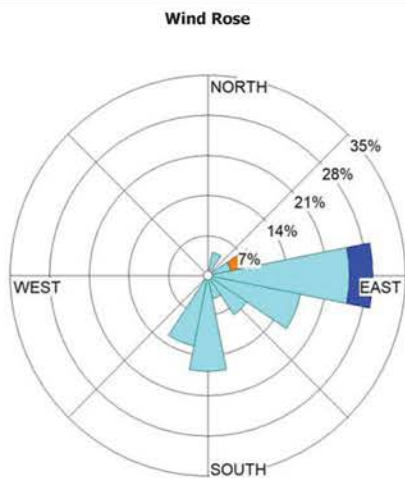
Lot ID: 2496030

Date Received : Sep 03, 2024

Date Reported : Sep 06, 2024

Report Number : 3088322-1

Page 2 of 2



WS (m/s)	%
> 10.0	0.00
8.0-10.0	4.17
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	4.17
0.3-1.7	91.67
Calms	0.00

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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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105085

Date Received : Oct 02, 2024

Date Reported : Oct 09, 2024

Report Number : 3107924-1CS

Page 1 of 3

Sample Number 24105085-1
Sampled Date Oct 01, 2024
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Oct 03, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.7 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/10/24 - 02/10/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/10/24 - 02/10/24	ug/m3	0.05	0.16	1.41	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/10/24 - 02/10/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/10/24 - 02/10/24	ug/m3	0.60	1.76	2.96	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/10/24 - 02/10/24	ug/m3	0.30	0.86	4.44	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/10/24 - 02/10/24	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 Map Ta Phut Community station has moderate traffic. Normal activity, Cloudy, Nearby School and Community

Sampled By : Tarin Octjinda

Remark :

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

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Approved by

Tanyatorn Mongkonjirawut
Supervisor

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4989-122/ (P)A3L



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: 24105085

Date Received : Oct 02, 2024

Date Reported : Oct 09, 2024

Report Number : 3107924-1C5

Page 2 of 3

Sample Number 24105085-2
Sampled Date Oct 01, 2024
Sample Description Air Quality
Location โรงเรือนฆ่าเชื้อ (GPS 47P 0723821, 1403299)
Date Analysis Commenced Oct 03, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.7 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/10/24 - 02/10/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/10/24 - 02/10/24	ug/m3	0.05	0.16	0.32	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/10/24 - 02/10/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/10/24 - 02/10/24	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/10/24 - 02/10/24	ug/m3	0.30	0.86	0.86	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/10/24 - 02/10/24	ug/m3	0.60	1.88	<1.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Tarin Octjinda

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : 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: 24105085

Date Received : Oct 02, 2024

Date Reported : Oct 09, 2024

Report Number : 3107924-1C5

Page 3 of 3

Sample Number 24105085-3
Sampled Date Oct 01, 2024
Sample Description Air Quality
Location สถานีอนามัยเทศบาล (GPS 47P 0735207, 1405888)
Date Analysis Commenced Oct 03, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.7 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/10/24 - 02/10/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/10/24 - 02/10/24	ug/m3	0.05	0.16	1.09	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/10/24 - 02/10/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/10/24 - 02/10/24	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/10/24 - 02/10/24	ug/m3	0.30	0.86	2.17	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/10/24 - 02/10/24	ug/m3	0.60	1.88	9.35	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Tarin Octjinda

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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4989-122/ (PMJL)



Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 24105091

Date Received :Oct 02, 2024

Date Reported :Oct 08, 2024

Report Number :3107928-1

Sample Number : 24105091-1
Parameter : Wind Speed / Wind Direction
Location : สถานีอนามัยนาตาพุด (GPS 47P 0735207, 1405888)
Sampling Date : Oct 01 - Oct 02, 2024
Sampling by : Tarin Octjinda

Page 1 of 2

Time	Oct 01 - Oct 02, 2024										
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	1.1	326.0	NW	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	3.3	290.0	WNW	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.6	275.0	W	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.3	325.0	NW	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	3.1	322.0	NW	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.2	281.0	W	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.2	233.0	SW	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	2.0	332.0	NNW	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.5	336.0	NNW	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	2.0	333.0	NNW	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.4	314.0	NW	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.7	297.0	WNW	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.7	294.0	WNW	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.8	326.0	NW	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.7	322.0	NW	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.6	178.0	S	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.9	140.0	SE	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.5	186.0	S	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.3	220.0	SW	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.9	172.0	S	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.4	262.0	W	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.2	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.2	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

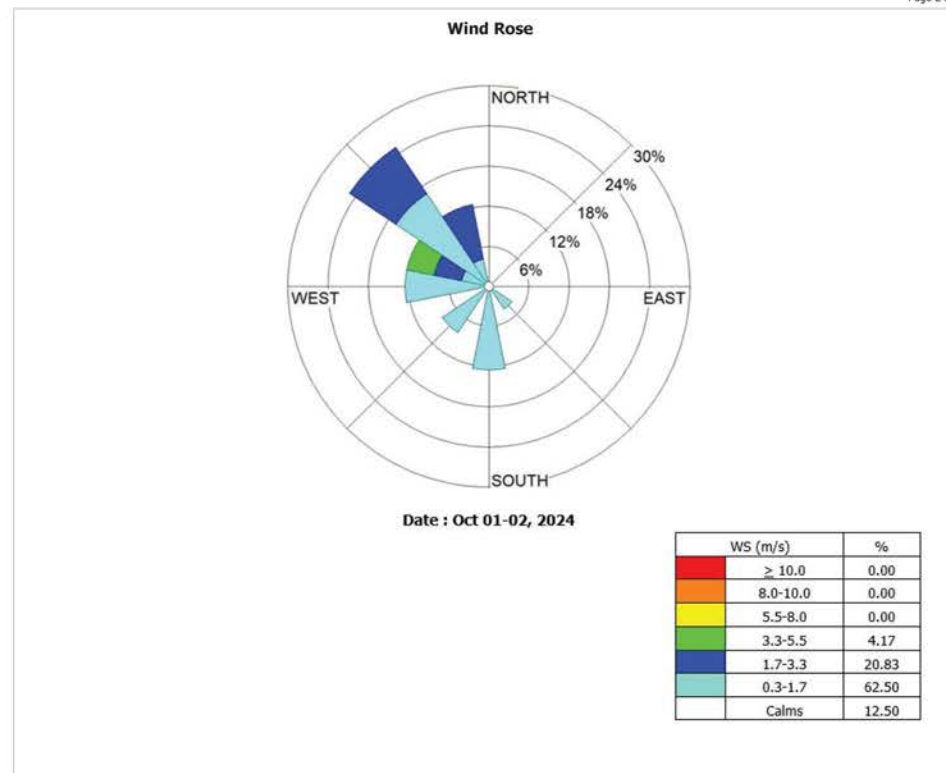
Lot ID: 24105091

Date Received :Oct 02, 2024

Date Reported :Oct 08, 2024

Report Number :3107928-1

Page 2 of 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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24122580

Date Received : Nov 05, 2024

Date Reported : Nov 11, 2024

Report Number : 3147635-1C5

Page 1 of 3

Sample Number 24122580-1
Sampled Date Nov 04, 2024
Sample Description Air Quality
Location บ้านนาหนอง (GPS 47P 0735350, 1406704)
Date Analysis Commenced Nov 06, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	04/11/24 - 05/11/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/11/24 - 05/11/24	ug/m3	0.05	0.16	1.92	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/11/24 - 05/11/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/11/24 - 05/11/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/11/24 - 05/11/24	ug/m3	0.30	0.86	4.23	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/11/24 - 05/11/24	ug/m3	0.60	1.88	7.16	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 : Jittakorn Sriwasa

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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4989-122/ (PMJL)



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: 24122580

Date Received : Nov 05, 2024

Date Reported : Nov 11, 2024

Report Number : 3147635-1C5

Page 2 of 3

Sample Number 24122580-2
Sampled Date Nov 04, 2024
Sample Description Air Quality
Location โรงเรือนผ้าไหมของหนู (GPS 47P 0723821, 1403299)
Date Analysis Commenced Nov 06, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	04/11/24 - 05/11/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/11/24 - 05/11/24	ug/m3	0.05	0.16	3.45	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/11/24 - 05/11/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/11/24 - 05/11/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/11/24 - 05/11/24	ug/m3	0.30	0.86	13.80	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/11/24 - 05/11/24	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 Nong Fab School station has moderate traffic. Normal activity, Clear sky, Nearby school, temple and community

Sampled By : Jittakorn Sriwasa

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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4989-122/ (PMJL)



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: 24122580

Date Received : Nov 05, 2024

Date Reported : Nov 11, 2024

Report Number : 3147635-1C5

Page 3 of 3

Sample Number 24122580-3
Sampled Date Nov 04, 2024
Sample Description Air Quality
Location สถานีอนามัยบางตาพูด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Nov 06, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	04/11/24 - 05/11/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/11/24 - 05/11/24	ug/m3	0.05	0.16	1.98	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/11/24 - 05/11/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/11/24 - 05/11/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/11/24 - 05/11/24	ug/m3	0.30	0.86	5.34	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/11/24 - 05/11/24	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 : Map Ta Phut Public Health Center station has moderate traffic. Normal activity, Clear sky, Nearby temple, school and community

Sampled By : Jittakorn Sriwasa

Remark :

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

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Tanyatorn Mongkonjirawut
Supervisor

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4989-122 / 1940L



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24122583

Date Received : Nov 05, 2024

Date Reported : Nov 12, 2024

Report Number : 3147638-1

Page 1 of 2

Sample Number 24122583-1
Parameter Wind Speed / Wind Direction
Location สถานีอนามัยบางตาพูด (GPS 47P 0735207, 1405888)
Sampling Date Nov 04 - Nov 05, 2024
Sampling by Jittakorn Sriwasa

Time	Nov 04 - Nov 05, 2024		-		-		-		-		-		-		-	
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.6	330.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.6	320.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.5	60.0	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.0	331.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.9	306.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.8	311.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.2	160.0	SSE	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.6	145.0	SE	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.0	220.0	SW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.7	250.0	WSW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.5	90.0	E	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.4	318.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.0	326.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.9	330.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.9	335.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.8	331.0	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.6	320.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.0	350.0	N	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.1	294.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.7	301.0	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.9	319.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.0	321.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.6	319.0	NW	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

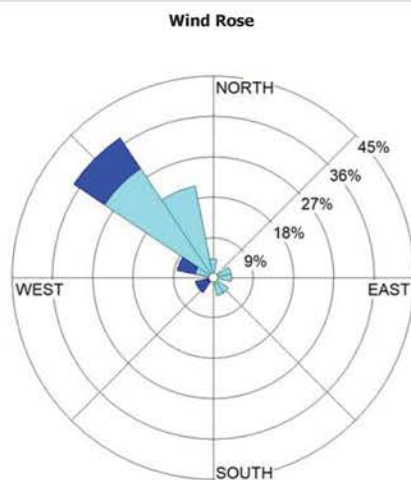
Lot ID: 24122583

Date Received : Nov 05, 2024

Date Reported : Nov 12, 2024

Report Number : 3147638-1

Page 2 of 2



Date : Nov 04-05, 2024

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	75.00
Calms	4.17

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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: 24133817

Date Received : Dec 03, 2024

Date Reported : Dec 12, 2024

Report Number : 3176083-1C5

Page 1 of 3

Sample Number 24133817-1
Sampled Date Dec 02, 2024
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Dec 04, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	02/12/24 - 03/12/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/12/24 - 03/12/24	ug/m3	0.05	0.16	2.88	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/12/24 - 03/12/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/12/24 - 03/12/24	ug/m3	0.60	1.76	2.96	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/12/24 - 03/12/24	ug/m3	0.30	0.86	3.89	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/12/24 - 03/12/24	ug/m3	0.60	1.88	15.83	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 : Sawal Tonpho

Remark :

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

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Approved by

Tanyatorn Mongkonjirawut
Supervisor

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4989-122/ (P)A3L



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: 24133817

Date Received : Dec 03, 2024

Date Reported : Dec 12, 2024

Report Number : 3176083-1C5

Page 2 of 3

Sample Number 24133817-2
Sampled Date Dec 02, 2024
Sample Description Air Quality
Location โรงเรือนฟาร์มหนองเพน (GPS 47P 0723821, 1403299)
Date Analysis Commenced Dec 04, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	02/12/24 - 03/12/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/12/24 - 03/12/24	ug/m3	0.05	0.16	3.64	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/12/24 - 03/12/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/12/24 - 03/12/24	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/12/24 - 03/12/24	ug/m3	0.30	0.86	5.09	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/12/24 - 03/12/24	ug/m3	0.60	1.88	11.68	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, Clare sky, Nearby school, temple and community

Sampled By : Sawai Tonpho

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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Analysis / Test Report

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24133817

Date Received : Dec 03, 2024

Date Reported : Dec 12, 2024

Report Number : 3176083-1C5

Page 3 of 3

Sample Number 24133817-3
Sampled Date Dec 02, 2024
Sample Description Air Quality
Location สถานีอนามัยนาตาหุด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Dec 04, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	02/12/24 - 03/12/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/12/24 - 03/12/24	ug/m3	0.05	0.16	2.75	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/12/24 - 03/12/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/12/24 - 03/12/24	ug/m3	0.60	1.76	3.88	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/12/24 - 03/12/24	ug/m3	0.30	0.86	3.79	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/12/24 - 03/12/24	ug/m3	0.60	1.88	14.02	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, Clare sky, Nearby temple, school and community

Sampled By : Sawai Tonpho

Remark :

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

Approved by

Tanyatorn Mongkonjirawut
Supervisor

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4989-122/ (P)MIL



Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut, PE (SPE)

Lot ID: 24133824

Date Received :Dec 03, 2024

Date Reported :Dec 11, 2024

Report Number :3176088-1

Sample Number : 24133824-1
Parameter : Wind Speed / Wind Direction
Location : สถานีอนามัยบ้านตาพูด (GPS 47P 0735207, 1405888)
Sampling Date : Dec 02 - Dec 03, 2024
Sampling by : Sawai Tonpho

Time	Dec 02 - Dec 03, 2024													
	WS (m/s)	WD (deg)												
09:00 AM - 10:00 AM	1.0	78.0	ENE	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.5	137.0	SE	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.1	186.0	S	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.3	227.0	SW	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.5	145.0	SE	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.9	190.0	S	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.1	230.0	SW	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.3	31.0	NNE	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.4	332.0	NNW	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.4	359.0	N	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.3	28.0	NNE	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.6	7.0	N	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.3	337.0	NNW	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.4	42.0	NE	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.3	350.0	N	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.3	4.0	N	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.4	4.0	N	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.2	66.0	ENE	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.3	41.0	NE	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.6	43.0	NE	-	-	-	-	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrant
Assistant General Manager

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

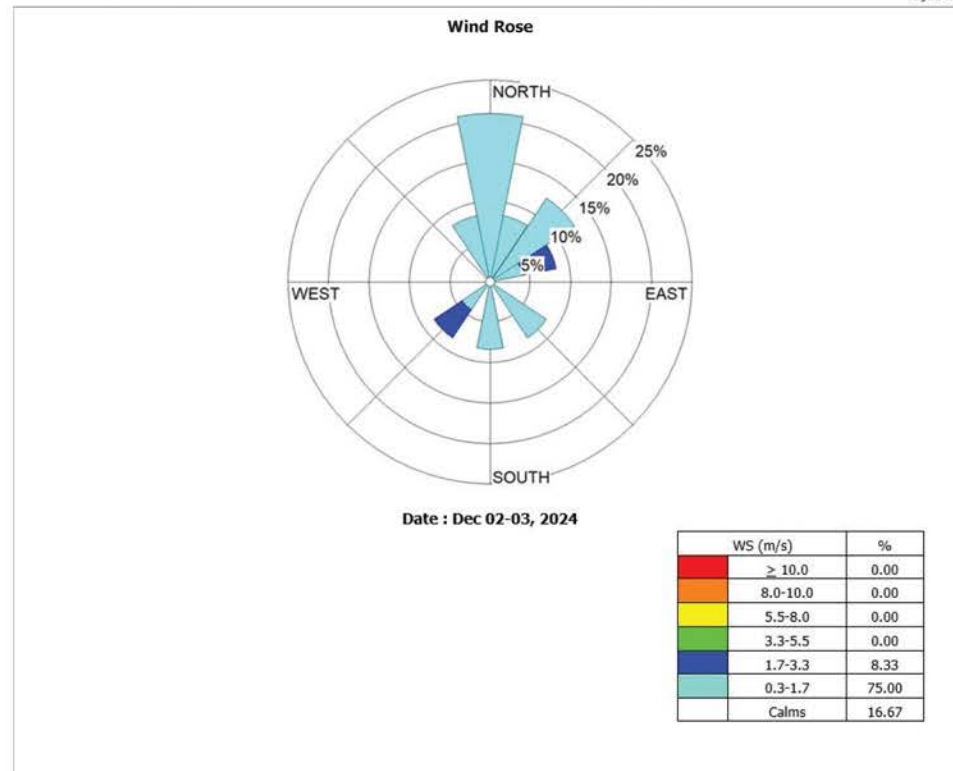
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 24133824

Date Received :Dec 03, 2024

Date Reported :Dec 11, 2024

Report Number :3176088-1



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Assistant General Manager

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คุณภาพอากาศในสถานประกอบการ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485382

Date Received : Sep 02, 2024

Date Reported : Sep 12, 2024

Report Number : 3065164-1

Page 1 of 6

Sample Number 2485382-1
Sampled Date Aug 30, 2024
Sample Description Air Quality
Location Spin Dryer 1
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 31.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:20 AM - 11:20 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485382

Date Received : Sep 02, 2024

Date Reported : Sep 12, 2024

Report Number : 3065164-1

Page 2 of 6

Sample Number 2485382-2
Sampled Date Aug 30, 2024
Sample Description Air Quality
Location Pelletizer 1
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 31.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:10 AM - 11:10 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485382

Date Received : Sep 02, 2024

Date Reported : Sep 12, 2024

Report Number : 3065164-1

Page 3 of 6

Sample Number 2485382-3
Sampled Date Aug 30, 2024
Sample Description Air Quality
Location Hold Up Hopper 1
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 31.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:15 AM - 11:15 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

Remark :

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

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Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485382

Date Received : Sep 02, 2024

Date Reported : Sep 12, 2024

Report Number : 3065164-1

Page 4 of 6

Sample Number 2485382-4
Sampled Date Aug 30, 2024
Sample Description Air Quality
Location Spin Dryer 2
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 31.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:12 AM - 11:12 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485382

Date Received : Sep 02, 2024

Date Reported : Sep 12, 2024

Report Number : 3065164-1

Page 5 of 6

Sample Number 2485382-5
Sampled Date Aug 30, 2024
Sample Description Air Quality
Location Pelletizer 2
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 31.4 °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 (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485382

Date Received : Sep 02, 2024

Date Reported : Sep 12, 2024

Report Number : 3065164-1

Page 6 of 6

Sample Number 2485382-6
Sampled Date Aug 30, 2024
Sample Description Air Quality
Location Hold Up Hopper 2
Date Analysis Commenced Sep 04, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 754 mmHg
Atmospheric Temperature 31.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:05 AM - 11:05 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105127

Date Received : Dec 18, 2024

Date Reported : Dec 24, 2024

Report Number : 3107962-1

Page 1 of 6

Sample Number 24105127-1
Sampled Date Dec 17, 2024
Sample Description Air Quality
Location Spin Dryer 1
Date Analysis Commenced Dec 19, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 760 mmHg
Atmospheric Temperature 29.2 °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 (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

Saranya C.

Saranya Chalermtamrong
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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105127

Date Received : Dec 18, 2024

Date Reported : Dec 24, 2024

Report Number : 3107962-1

Page 2 of 6

Sample Number 24105127-2
Sampled Date Dec 17, 2024
Sample Description Air Quality
Location Pelletizer 1
Date Analysis Commenced Dec 19, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 760 mmHg
Atmospheric Temperature 29.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	08:50 AM - 10:50 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

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Saranya Chalermtamrong
Scientist (4)

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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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105127

Date Received : Dec 18, 2024

Date Reported : Dec 24, 2024

Report Number : 3107962-1

Page 3 of 6

Sample Number 24105127-3
Sampled Date Dec 17, 2024
Sample Description Air Quality
Location Hold Up Hopper 1
Date Analysis Commenced Dec 19, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 760 mmHg
Atmospheric Temperature 29.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	08:40 AM - 10:40 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105127

Date Received : Dec 18, 2024

Date Reported : Dec 24, 2024

Report Number : 3107962-1

Page 4 of 6

Sample Number 24105127-4
Sampled Date Dec 17, 2024
Sample Description Air Quality
Location Spin Dryer 2
Date Analysis Commenced Dec 19, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 760 mmHg
Atmospheric Temperature 29.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:05 AM - 11:05 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105127

Date Received : Dec 18, 2024

Date Reported : Dec 24, 2024

Report Number : 3107962-1

Page 5 of 6

Sample Number 24105127-5
Sampled Date Dec 17, 2024
Sample Description Air Quality
Location Pelletizer 2
Date Analysis Commenced Dec 19, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 760 mmHg
Atmospheric Temperature 29.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	08:55 AM - 10:55 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105127

Date Received : Dec 18, 2024

Date Reported : Dec 24, 2024

Report Number : 3107962-1

Page 6 of 6

Sample Number 24105127-6
Sampled Date Dec 17, 2024
Sample Description Air Quality
Location Hold Up Hopper 2
Date Analysis Commenced Dec 19, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 760 mmHg
Atmospheric Temperature 29.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	08:45 AM - 10:45 AM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

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ภาคผนวก ค-5

ระดับเสียงโดยทั่วไป และระดับเสียงพื้นฐาน



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105628-1

Page 1 of 1

Sample Number 2485389-1
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 26 - Aug 27, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.1	87.4	62.5
12:00 PM - 01:00 PM	65.0	75.9	63.2
01:00 PM - 02:00 PM	64.2	77.2	62.5
02:00 PM - 03:00 PM	63.1	70.8	62.3
03:00 PM - 04:00 PM	62.9	76.3	62.0
04:00 PM - 05:00 PM	63.6	71.2	62.8
05:00 PM - 06:00 PM	62.8	69.8	62.1
06:00 PM - 07:00 PM	63.6	68.2	62.7
07:00 PM - 08:00 PM	63.7	73.5	62.9
08:00 PM - 09:00 PM	63.1	71.5	62.3
09:00 PM - 10:00 PM	62.6	74.4	62.1
10:00 PM - 11:00 PM	62.5	72.9	61.9
11:00 PM - 12:00 AM	63.3	71.4	62.2
12:00 AM - 01:00 AM	64.6	75.4	63.3
01:00 AM - 02:00 AM	63.5	76.9	62.5
02:00 AM - 03:00 AM	62.8	74.4	62.1
03:00 AM - 04:00 AM	65.5	74.3	63.9
04:00 AM - 05:00 AM	64.0	76.6	62.4
05:00 AM - 06:00 AM	63.8	72.1	62.4
06:00 AM - 07:00 AM	63.8	70.2	62.6
07:00 AM - 08:00 AM	64.6	88.3	61.2
08:00 AM - 09:00 AM	62.0	73.4	61.3
09:00 AM - 10:00 AM	63.0	74.9	61.9
10:00 AM - 11:00 AM	66.5	78.1	64.6

Leq Average 24 hrs. (dB(A)) 64.0

Lmax (dB(A))

88.3

L90 (dB(A))

62.4

Ldn (dB(A))

70.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S
Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (3:53PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105629-1

Page 1 of 1

Sample Number 2485389-2
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 27 - Aug 28, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.1	74.4	64.1
12:00 PM - 01:00 PM	64.5	79.1	62.9
01:00 PM - 02:00 PM	65.9	75.1	63.8
02:00 PM - 03:00 PM	64.9	72.4	63.2
03:00 PM - 04:00 PM	66.5	75.0	64.8
04:00 PM - 05:00 PM	66.6	74.6	64.6
05:00 PM - 06:00 PM	66.6	74.0	64.7
06:00 PM - 07:00 PM	68.0	76.8	65.6
07:00 PM - 08:00 PM	66.7	75.7	64.0
08:00 PM - 09:00 PM	66.8	76.3	64.5
09:00 PM - 10:00 PM	67.9	75.9	65.3
10:00 PM - 11:00 PM	67.3	76.4	64.9
11:00 PM - 12:00 AM	67.7	76.4	65.4
12:00 AM - 01:00 AM	65.4	74.0	64.1
01:00 AM - 02:00 AM	64.8	72.1	63.4
02:00 AM - 03:00 AM	65.7	84.8	64.1
03:00 AM - 04:00 AM	65.9	79.3	64.0
04:00 AM - 05:00 AM	66.4	73.5	64.8
05:00 AM - 06:00 AM	64.3	71.1	63.4
06:00 AM - 07:00 AM	64.4	74.2	63.3
07:00 AM - 08:00 AM	65.8	72.6	64.5
08:00 AM - 09:00 AM	65.2	77.4	63.5
09:00 AM - 10:00 AM	66.3	75.8	64.5
10:00 AM - 11:00 AM	66.5	79.1	64.5

Leq Average 24 hrs. (dB(A)) 66.2

Lmax (dB(A))

84.8

L90 (dB(A))

64.1

Ldn (dB(A))

72.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S
Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (3:54PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105630-1

Page 1 of 1

Sample Number 2485389-3
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 28 - Aug 29, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	68.1	80.9	65.3
12:00 PM - 01:00 PM	67.6	83.4	65.1
01:00 PM - 02:00 PM	68.9	91.0	65.6
02:00 PM - 03:00 PM	68.5	78.2	66.2
03:00 PM - 04:00 PM	69.1	78.4	66.5
04:00 PM - 05:00 PM	69.3	77.9	66.9
05:00 PM - 06:00 PM	69.8	80.3	67.6
06:00 PM - 07:00 PM	69.6	78.2	67.5
07:00 PM - 08:00 PM	68.1	75.5	66.5
08:00 PM - 09:00 PM	68.0	75.5	66.2
09:00 PM - 10:00 PM	68.2	76.1	66.4
10:00 PM - 11:00 PM	66.3	76.7	64.9
11:00 PM - 12:00 AM	65.1	72.2	64.0
12:00 AM - 01:00 AM	64.8	71.0	63.5
01:00 AM - 02:00 AM	64.7	77.8	63.8
02:00 AM - 03:00 AM	65.5	73.8	64.1
03:00 AM - 04:00 AM	65.2	71.0	63.9
04:00 AM - 05:00 AM	63.9	71.1	62.9
05:00 AM - 06:00 AM	63.8	75.7	62.7
06:00 AM - 07:00 AM	64.1	76.5	63.0
07:00 AM - 08:00 AM	66.3	94.3	62.4
08:00 AM - 09:00 AM	63.9	75.0	62.6
09:00 AM - 10:00 AM	64.2	82.7	63.2
10:00 AM - 11:00 AM	65.2	82.2	63.8

Leq Average 24 hrs. (dB(A)) 67.1
Lmax (dB(A)) 94.3
L90 (dB(A)) 64.1
Ldn (dB(A)) 71.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot S
Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (3:54PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105631-1

Page 1 of 1

Sample Number 2485389-4
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 29 - Aug 30, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.0	80.1	63.8
12:00 PM - 01:00 PM	64.3	77.5	63.3
01:00 PM - 02:00 PM	64.1	74.7	63.1
02:00 PM - 03:00 PM	65.1	91.6	63.4
03:00 PM - 04:00 PM	65.7	79.1	64.2
04:00 PM - 05:00 PM	64.6	79.7	63.6
05:00 PM - 06:00 PM	66.2	76.7	64.7
06:00 PM - 07:00 PM	67.0	73.2	65.0
07:00 PM - 08:00 PM	67.4	72.3	65.6
08:00 PM - 09:00 PM	65.3	71.2	63.9
09:00 PM - 10:00 PM	65.4	70.9	63.9
10:00 PM - 11:00 PM	65.3	76.7	63.7
11:00 PM - 12:00 AM	66.7	73.6	64.7
12:00 AM - 01:00 AM	66.8	72.9	64.7
01:00 AM - 02:00 AM	66.7	73.3	64.7
02:00 AM - 03:00 AM	64.2	73.1	63.1
03:00 AM - 04:00 AM	65.0	76.8	63.3
04:00 AM - 05:00 AM	64.1	73.9	62.8
05:00 AM - 06:00 AM	65.3	75.8	63.5
06:00 AM - 07:00 AM	64.3	72.5	63.3
07:00 AM - 08:00 AM	65.8	88.5	62.8
08:00 AM - 09:00 AM	63.8	80.7	62.4
09:00 AM - 10:00 AM	64.2	76.3	62.8
10:00 AM - 11:00 AM	63.8	72.4	62.9

Leq Average 24 hrs. (dB(A)) 65.4
Lmax (dB(A)) 91.6
L90 (dB(A)) 63.5
Ldn (dB(A)) 71.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (3:54PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485389

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105632-1

Page 1 of 1

Sample Number 2485389-5
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 30 - Aug 31, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.1	75.2	62.5
12:00 PM - 01:00 PM	63.6	74.0	62.1
01:00 PM - 02:00 PM	63.5	73.4	62.1
02:00 PM - 03:00 PM	64.0	78.4	62.6
03:00 PM - 04:00 PM	64.5	84.0	62.7
04:00 PM - 05:00 PM	64.4	82.4	63.1
05:00 PM - 06:00 PM	64.6	82.8	63.4
06:00 PM - 07:00 PM	64.1	72.1	62.9
07:00 PM - 08:00 PM	63.9	69.8	62.8
08:00 PM - 09:00 PM	63.7	70.9	62.6
09:00 PM - 10:00 PM	63.6	72.0	62.5
10:00 PM - 11:00 PM	63.9	70.3	62.8
11:00 PM - 12:00 AM	63.4	71.3	62.3
12:00 AM - 01:00 AM	63.8	72.5	62.7
01:00 AM - 02:00 AM	64.5	76.4	62.9
02:00 AM - 03:00 AM	64.0	69.9	62.8
03:00 AM - 04:00 AM	64.1	73.7	62.7
04:00 AM - 05:00 AM	63.8	71.1	62.6
05:00 AM - 06:00 AM	63.7	78.9	62.6
06:00 AM - 07:00 AM	63.3	72.2	62.2
07:00 AM - 08:00 AM	63.9	84.6	62.3
08:00 AM - 09:00 AM	63.4	70.6	62.2
09:00 AM - 10:00 AM	63.5	76.5	62.2
10:00 AM - 11:00 AM	62.6	77.9	61.6

Leq Average 24 hrs. (dB(A))

63.9

Lmax (dB(A))

84.6

L90 (dB(A))

62.6

Ldn (dB(A))

70.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (3:55PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485389

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105633-1

Page 1 of 1

Sample Number 2485389-6
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Aug 31 - Sep 01, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.1	74.6	61.2
12:00 PM - 01:00 PM	63.5	68.9	62.2
01:00 PM - 02:00 PM	63.8	70.7	62.5
02:00 PM - 03:00 PM	64.6	80.0	62.8
03:00 PM - 04:00 PM	64.1	74.3	62.6
04:00 PM - 05:00 PM	63.4	73.7	62.2
05:00 PM - 06:00 PM	63.4	74.7	62.6
06:00 PM - 07:00 PM	62.5	69.0	61.9
07:00 PM - 08:00 PM	63.0	71.9	62.2
08:00 PM - 09:00 PM	62.6	71.0	61.9
09:00 PM - 10:00 PM	62.9	73.4	62.1
10:00 PM - 11:00 PM	64.2	74.0	63.1
11:00 PM - 12:00 AM	63.9	71.8	63.1
12:00 AM - 01:00 AM	64.9	76.5	62.9
01:00 AM - 02:00 AM	64.0	70.8	62.7
02:00 AM - 03:00 AM	63.8	71.1	62.8
03:00 AM - 04:00 AM	63.9	69.8	62.7
04:00 AM - 05:00 AM	64.6	80.4	62.9
05:00 AM - 06:00 AM	63.6	71.0	62.5
06:00 AM - 07:00 AM	63.7	74.3	62.7
07:00 AM - 08:00 AM	65.3	90.1	62.4
08:00 AM - 09:00 AM	63.9	72.3	62.8
09:00 AM - 10:00 AM	63.9	81.5	62.6
10:00 AM - 11:00 AM	63.6	73.3	62.0

Leq Average 24 hrs. (dB(A))

63.8

Lmax (dB(A))

90.1

L90 (dB(A))

62.6

Ldn (dB(A))

70.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105634-1

Page 1 of 1

Sample Number 2485389-7
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Sep 01 - Sep 02, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.6	74.9	62.0
12:00 PM - 01:00 PM	63.3	71.6	62.0
01:00 PM - 02:00 PM	62.8	70.9	61.9
02:00 PM - 03:00 PM	63.1	75.0	61.4
03:00 PM - 04:00 PM	63.1	71.9	61.9
04:00 PM - 05:00 PM	63.2	68.9	62.0
05:00 PM - 06:00 PM	63.3	74.2	62.0
06:00 PM - 07:00 PM	64.0	76.6	62.6
07:00 PM - 08:00 PM	63.8	71.7	62.6
08:00 PM - 09:00 PM	63.5	74.6	62.5
09:00 PM - 10:00 PM	63.8	74.1	62.7
10:00 PM - 11:00 PM	63.6	70.3	62.5
11:00 PM - 12:00 AM	64.6	91.8	63.0
12:00 AM - 01:00 AM	66.7	84.4	64.5
01:00 AM - 02:00 AM	65.6	77.1	64.2
02:00 AM - 03:00 AM	64.2	84.3	63.1
03:00 AM - 04:00 AM	64.7	84.4	63.4
04:00 AM - 05:00 AM	64.5	79.7	63.4
05:00 AM - 06:00 AM	63.9	78.7	63.0
06:00 AM - 07:00 AM	63.7	73.5	62.8
07:00 AM - 08:00 AM	66.7	90.5	62.9
08:00 AM - 09:00 AM	63.4	76.7	62.5
09:00 AM - 10:00 AM	63.6	71.8	62.6
10:00 AM - 11:00 AM	63.6	73.1	62.8

Leq Average 24 hrs. (dB(A)) 64.1
Lmax (dB(A)) 91.8
L90 (dB(A)) 62.6
Ldn (dB(A)) 71.0
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
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S:\Reports_Air Noise rpt (3:55PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105635-1

Page 1 of 1

Sample Number 2485389-8
Parameter Noise (Leq 24 hrs.)
Location บริเวณวัดโสมกวน (GPS 47P 0735038, 1405843)
Measurement Date Aug 26 - Aug 27, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	50.2	76.9	44.3
12:00 PM - 01:00 PM	50.0	67.1	45.5
01:00 PM - 02:00 PM	53.1	85.2	43.9
02:00 PM - 03:00 PM	49.8	68.5	43.9
03:00 PM - 04:00 PM	50.6	71.2	45.4
04:00 PM - 05:00 PM	52.4	70.7	48.3
05:00 PM - 06:00 PM	52.0	69.8	47.8
06:00 PM - 07:00 PM	51.8	72.9	47.3
07:00 PM - 08:00 PM	52.7	76.2	47.3
08:00 PM - 09:00 PM	51.5	76.2	45.1
09:00 PM - 10:00 PM	51.4	79.9	43.9
10:00 PM - 11:00 PM	50.9	81.8	42.7
11:00 PM - 12:00 AM	51.4	79.3	43.6
12:00 AM - 01:00 AM	47.3	73.9	41.2
01:00 AM - 02:00 AM	49.3	79.7	42.4
02:00 AM - 03:00 AM	47.5	72.1	41.8
03:00 AM - 04:00 AM	45.4	65.2	40.5
04:00 AM - 05:00 AM	47.5	65.1	42.6
05:00 AM - 06:00 AM	51.9	71.3	45.7
06:00 AM - 07:00 AM	59.2	88.3	48.4
07:00 AM - 08:00 AM	55.9	76.0	49.5
08:00 AM - 09:00 AM	50.6	68.8	45.9
09:00 AM - 10:00 AM	49.4	75.6	44.1
10:00 AM - 11:00 AM	50.0	80.6	44.0

Leq Average 24 hrs. (dB(A)) 52.0
Lmax (dB(A)) 88.3
L90 (dB(A)) 44.1
Ldn (dB(A)) 58.7
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (3:55PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105636-1

Page 1 of 1

Sample Number : 2485389-9
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสมกน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 27 - Aug 28, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	49.5	74.7	44.5
12:00 PM - 01:00 PM	50.7	71.4	45.7
01:00 PM - 02:00 PM	49.4	69.9	44.5
02:00 PM - 03:00 PM	49.2	73.6	43.6
03:00 PM - 04:00 PM	50.0	76.6	44.3
04:00 PM - 05:00 PM	51.5	75.9	47.4
05:00 PM - 06:00 PM	53.1	68.6	49.0
06:00 PM - 07:00 PM	55.3	85.6	49.3
07:00 PM - 08:00 PM	53.9	73.3	49.7
08:00 PM - 09:00 PM	53.9	71.4	48.7
09:00 PM - 10:00 PM	53.0	77.3	47.5
10:00 PM - 11:00 PM	50.1	73.5	44.7
11:00 PM - 12:00 AM	48.4	66.0	44.2
12:00 AM - 01:00 AM	50.3	77.3	45.0
01:00 AM - 02:00 AM	47.7	76.5	42.7
02:00 AM - 03:00 AM	47.9	73.1	43.1
03:00 AM - 04:00 AM	49.6	73.2	44.5
04:00 AM - 05:00 AM	51.3	76.7	45.3
05:00 AM - 06:00 AM	51.5	67.0	46.1
06:00 AM - 07:00 AM	58.4	79.0	48.7
07:00 AM - 08:00 AM	52.9	73.8	47.3
08:00 AM - 09:00 AM	51.3	71.0	45.2
09:00 AM - 10:00 AM	50.4	74.3	45.8
10:00 AM - 11:00 AM	50.2	73.2	45.1

Leq Average 24 hrs. (dB(A)) : 52.1
Lmax (dB(A)) : 85.6
L90 (dB(A)) : 45.2
Ldn (dB(A)) : 58.5
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

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Section Head

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S:\Reports_Air Noise rpt (3:56PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105637-1

Page 1 of 1

Sample Number : 2485389-10
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสมกน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 28 - Aug 29, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.8	78.4	46.8
12:00 PM - 01:00 PM	51.6	69.1	47.4
01:00 PM - 02:00 PM	49.4	64.8	45.6
02:00 PM - 03:00 PM	51.2	78.2	45.5
03:00 PM - 04:00 PM	52.5	75.3	47.4
04:00 PM - 05:00 PM	54.9	78.9	50.3
05:00 PM - 06:00 PM	53.1	75.2	49.1
06:00 PM - 07:00 PM	53.2	75.1	48.6
07:00 PM - 08:00 PM	51.8	73.9	48.0
08:00 PM - 09:00 PM	51.6	74.4	47.0
09:00 PM - 10:00 PM	53.4	78.6	46.6
10:00 PM - 11:00 PM	49.6	69.2	45.6
11:00 PM - 12:00 AM	50.4	69.5	46.4
12:00 AM - 01:00 AM	48.8	70.5	44.7
01:00 AM - 02:00 AM	47.9	73.1	42.7
02:00 AM - 03:00 AM	49.8	78.7	41.2
03:00 AM - 04:00 AM	48.1	75.6	40.4
04:00 AM - 05:00 AM	47.7	76.1	41.7
05:00 AM - 06:00 AM	51.1	69.4	45.4
06:00 AM - 07:00 AM	55.5	77.1	48.4
07:00 AM - 08:00 AM	54.6	72.5	49.3
08:00 AM - 09:00 AM	60.0	77.7	53.8
09:00 AM - 10:00 AM	63.0	79.1	60.8
10:00 AM - 11:00 AM	59.7	70.6	58.4

Leq Average 24 hrs. (dB(A)) : 54.8
Lmax (dB(A)) : 79.1
L90 (dB(A)) : 46.8
Ldn (dB(A)) : 58.4
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

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S:\Reports_Air Noise rpt (3:56PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105638-1

Page 1 of 1

Sample Number : 2485389-11
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสมกู่ (GPS 47P 0735038, 1405843)
Measurement Date : Aug 29 - Aug 30, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	56.1	75.0	53.6
12:00 PM - 01:00 PM	55.9	83.6	52.7
01:00 PM - 02:00 PM	53.8	72.6	49.4
02:00 PM - 03:00 PM	54.1	80.3	48.4
03:00 PM - 04:00 PM	58.1	77.5	51.8
04:00 PM - 05:00 PM	54.8	72.3	52.0
05:00 PM - 06:00 PM	54.4	71.5	50.8
06:00 PM - 07:00 PM	53.6	80.4	49.1
07:00 PM - 08:00 PM	53.0	79.1	47.5
08:00 PM - 09:00 PM	53.0	85.1	47.7
09:00 PM - 10:00 PM	52.6	73.7	49.4
10:00 PM - 11:00 PM	52.9	75.6	49.6
11:00 PM - 12:00 AM	54.1	81.7	51.8
12:00 AM - 01:00 AM	51.9	81.3	47.7
01:00 AM - 02:00 AM	49.3	72.3	47.1
02:00 AM - 03:00 AM	52.0	77.2	49.0
03:00 AM - 04:00 AM	51.4	73.4	48.9
04:00 AM - 05:00 AM	51.3	68.1	48.6
05:00 AM - 06:00 AM	52.0	67.9	47.2
06:00 AM - 07:00 AM	56.1	87.6	48.4
07:00 AM - 08:00 AM	54.3	76.6	49.3
08:00 AM - 09:00 AM	53.0	72.2	48.3
09:00 AM - 10:00 AM	58.0	82.8	47.7
10:00 AM - 11:00 AM	50.8	72.5	45.7

Leq Average 24 hrs. (dB(A)) : 54.1
Lmax (dB(A)) : 87.6
L90 (dB(A)) : 48.9
Ldn (dB(A)) : 59.5
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
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Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105639-1

Page 1 of 1

Sample Number : 2485389-12
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสมกู่ (GPS 47P 0735038, 1405843)
Measurement Date : Aug 30 - Aug 31, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	51.6	80.3	46.5
12:00 PM - 01:00 PM	52.7	73.8	47.6
01:00 PM - 02:00 PM	51.4	68.3	47.4
02:00 PM - 03:00 PM	52.3	71.8	48.2
03:00 PM - 04:00 PM	61.5	82.0	55.4
04:00 PM - 05:00 PM	54.1	76.4	49.5
05:00 PM - 06:00 PM	53.4	72.4	48.9
06:00 PM - 07:00 PM	53.4	78.7	48.3
07:00 PM - 08:00 PM	53.8	76.0	47.4
08:00 PM - 09:00 PM	53.0	75.0	47.0
09:00 PM - 10:00 PM	53.9	86.0	45.8
10:00 PM - 11:00 PM	52.9	83.9	46.9
11:00 PM - 12:00 AM	52.4	87.2	46.0
12:00 AM - 01:00 AM	49.9	74.9	44.3
01:00 AM - 02:00 AM	48.0	71.3	43.5
02:00 AM - 03:00 AM	48.0	73.0	43.0
03:00 AM - 04:00 AM	48.4	74.3	44.6
04:00 AM - 05:00 AM	50.6	68.3	46.7
05:00 AM - 06:00 AM	51.4	68.7	46.5
06:00 AM - 07:00 AM	57.3	87.2	48.9
07:00 AM - 08:00 AM	54.5	79.8	48.6
08:00 AM - 09:00 AM	53.2	71.2	47.3
09:00 AM - 10:00 AM	50.2	68.5	45.5
10:00 AM - 11:00 AM	50.6	71.1	45.9

Leq Average 24 hrs. (dB(A)) : 53.7
Lmax (dB(A)) : 87.2
L90 (dB(A)) : 46.9
Ldn (dB(A)) : 58.9
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

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Supot Salamteh
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Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105640-1

Page 1 of 1

Sample Number : 2485389-13
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสมกน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 31 - Sep 01, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	50.7	70.9	44.8
12:00 PM - 01:00 PM	51.6	75.3	45.0
01:00 PM - 02:00 PM	49.8	75.2	44.9
02:00 PM - 03:00 PM	50.5	73.3	45.7
03:00 PM - 04:00 PM	50.8	70.6	46.1
04:00 PM - 05:00 PM	51.7	74.6	47.0
05:00 PM - 06:00 PM	52.5	70.4	48.5
06:00 PM - 07:00 PM	54.9	74.0	50.3
07:00 PM - 08:00 PM	53.7	77.3	48.8
08:00 PM - 09:00 PM	52.7	78.7	47.6
09:00 PM - 10:00 PM	52.9	83.2	47.3
10:00 PM - 11:00 PM	53.0	84.4	47.1
11:00 PM - 12:00 AM	52.5	83.4	45.5
12:00 AM - 01:00 AM	54.7	87.7	44.8
01:00 AM - 02:00 AM	49.4	73.9	45.0
02:00 AM - 03:00 AM	49.6	82.1	45.0
03:00 AM - 04:00 AM	47.7	70.0	43.4
04:00 AM - 05:00 AM	48.8	72.4	44.2
05:00 AM - 06:00 AM	51.0	68.1	45.4
06:00 AM - 07:00 AM	54.6	77.4	47.6
07:00 AM - 08:00 AM	52.8	72.6	47.3
08:00 AM - 09:00 AM	50.3	69.4	45.7
09:00 AM - 10:00 AM	50.2	66.5	46.2
10:00 AM - 11:00 AM	51.8	83.1	46.2

Leq Average 24 hrs. (dB(A)) 52.0

Lmax (dB(A))

87.7

L90 (dB(A))

45.7

Ldn (dB(A))

58.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

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Approved by

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Supot Salamteh
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Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105641-1

Page 1 of 1

Sample Number : 2485389-14
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดโสมกน (GPS 47P 0735038, 1405843)
Measurement Date : Sep 01 - Sep 02, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	51.5	69.4	47.5
12:00 PM - 01:00 PM	51.5	77.5	46.8
01:00 PM - 02:00 PM	50.7	68.7	46.6
02:00 PM - 03:00 PM	49.5	67.5	44.9
03:00 PM - 04:00 PM	49.8	68.4	44.2
04:00 PM - 05:00 PM	51.0	68.4	45.7
05:00 PM - 06:00 PM	51.4	74.1	46.6
06:00 PM - 07:00 PM	52.1	76.9	47.4
07:00 PM - 08:00 PM	52.8	73.4	47.3
08:00 PM - 09:00 PM	51.9	77.4	46.3
09:00 PM - 10:00 PM	51.9	76.2	47.1
10:00 PM - 11:00 PM	52.4	77.9	46.0
11:00 PM - 12:00 AM	66.5	88.1	63.3
12:00 AM - 01:00 AM	68.7	87.0	64.6
01:00 AM - 02:00 AM	59.2	74.5	57.3
02:00 AM - 03:00 AM	54.7	72.5	53.1
03:00 AM - 04:00 AM	57.6	82.1	55.5
04:00 AM - 05:00 AM	57.7	74.2	56.6
05:00 AM - 06:00 AM	56.7	71.6	55.4
06:00 AM - 07:00 AM	57.8	75.5	53.7
07:00 AM - 08:00 AM	60.9	88.2	50.7
08:00 AM - 09:00 AM	57.5	78.9	48.4
09:00 AM - 10:00 AM	52.4	72.4	46.3
10:00 AM - 11:00 AM	53.2	78.9	46.1

Leq Average 24 hrs. (dB(A)) 59.0

Lmax (dB(A))

88.2

L90 (dB(A))

47.3

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) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

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Chonticha Subongkoch
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Approved by

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Supot Salamteh
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Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105642-1

Page 1 of 1

Sample Number 2485389-15
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-ฉะปะระอุ (GPS 47P 0735578, 1402792)
Measurement Date Aug 26 - Aug 27, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	53.3	74.1	51.0
12:00 PM - 01:00 PM	55.6	74.3	53.3
01:00 PM - 02:00 PM	58.8	67.1	57.7
02:00 PM - 03:00 PM	59.4	74.9	58.8
03:00 PM - 04:00 PM	56.3	70.2	55.5
04:00 PM - 05:00 PM	56.4	72.8	54.4
05:00 PM - 06:00 PM	55.7	68.8	53.6
06:00 PM - 07:00 PM	55.5	73.5	53.0
07:00 PM - 08:00 PM	54.2	69.9	51.8
08:00 PM - 09:00 PM	54.5	74.0	51.7
09:00 PM - 10:00 PM	51.7	70.4	49.3
10:00 PM - 11:00 PM	51.7	70.9	49.1
11:00 PM - 12:00 AM	52.5	79.5	48.9
12:00 AM - 01:00 AM	49.5	65.1	48.0
01:00 AM - 02:00 AM	48.8	71.3	47.3
02:00 AM - 03:00 AM	48.9	65.7	47.2
03:00 AM - 04:00 AM	48.4	60.9	47.1
04:00 AM - 05:00 AM	51.3	80.5	47.6
05:00 AM - 06:00 AM	51.5	74.5	48.9
06:00 AM - 07:00 AM	53.5	72.5	51.2
07:00 AM - 08:00 AM	55.0	73.9	51.3
08:00 AM - 09:00 AM	52.9	71.7	49.6
09:00 AM - 10:00 AM	52.4	71.8	49.7
10:00 AM - 11:00 AM	53.6	72.1	50.9

Leq Average 24 hrs. (dB(A)) 54.4
Lmax (dB(A)) 80.5
L90 (dB(A)) 50.9
Ldn (dB(A)) 58.5
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (3:58PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105643-1

Page 1 of 1

Sample Number 2485389-16
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-ฉะปะระอุ (GPS 47P 0735578, 1402792)
Measurement Date Aug 27 - Aug 28, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	53.9	74.6	50.8
12:00 PM - 01:00 PM	54.7	70.7	51.4
01:00 PM - 02:00 PM	54.5	75.6	51.0
02:00 PM - 03:00 PM	52.6	72.9	49.6
03:00 PM - 04:00 PM	51.8	73.3	49.2
04:00 PM - 05:00 PM	53.3	69.4	50.3
05:00 PM - 06:00 PM	54.1	69.5	50.9
06:00 PM - 07:00 PM	55.1	79.3	50.8
07:00 PM - 08:00 PM	53.9	81.9	49.8
08:00 PM - 09:00 PM	53.2	70.8	50.0
09:00 PM - 10:00 PM	52.5	73.4	49.2
10:00 PM - 11:00 PM	52.4	72.3	49.5
11:00 PM - 12:00 AM	51.8	66.1	49.3
12:00 AM - 01:00 AM	51.4	66.1	48.8
01:00 AM - 02:00 AM	50.4	72.6	47.8
02:00 AM - 03:00 AM	60.6	77.7	51.9
03:00 AM - 04:00 AM	54.9	67.2	52.8
04:00 AM - 05:00 AM	54.0	63.8	53.3
05:00 AM - 06:00 AM	54.8	65.4	53.9
06:00 AM - 07:00 AM	54.8	71.4	52.9
07:00 AM - 08:00 AM	55.3	74.7	51.6
08:00 AM - 09:00 AM	52.7	70.5	49.8
09:00 AM - 10:00 AM	55.9	77.5	51.2
10:00 AM - 11:00 AM	54.3	80.8	51.1

Leq Average 24 hrs. (dB(A)) 54.4
Lmax (dB(A)) 81.9
L90 (dB(A)) 50.8
Ldn (dB(A)) 61.3
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
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Supot Salamteh
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S:\Reports_Air Noise rpt (3:58PM)



Analysis / Test Report



TESTING
No.0042

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485389

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105644-1

Page 1 of 1

Sample Number 2485389-17
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (GPS 47P 0735578, 1402792)
Measurement Date Aug 28 - Aug 29, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.5	81.0	51.4
12:00 PM - 01:00 PM	54.3	67.0	51.7
01:00 PM - 02:00 PM	54.7	72.7	51.1
02:00 PM - 03:00 PM	53.5	70.7	50.8
03:00 PM - 04:00 PM	54.3	66.1	51.8
04:00 PM - 05:00 PM	56.1	75.6	53.2
05:00 PM - 06:00 PM	55.2	68.2	52.5
06:00 PM - 07:00 PM	55.5	75.5	52.6
07:00 PM - 08:00 PM	55.1	68.8	52.4
08:00 PM - 09:00 PM	54.1	68.2	51.2
09:00 PM - 10:00 PM	53.5	71.4	50.8
10:00 PM - 11:00 PM	52.4	66.7	49.6
11:00 PM - 12:00 AM	52.0	69.6	49.0
12:00 AM - 01:00 AM	50.9	71.3	47.5
01:00 AM - 02:00 AM	50.4	66.4	47.4
02:00 AM - 03:00 AM	48.4	67.1	46.8
03:00 AM - 04:00 AM	47.5	60.1	46.1
04:00 AM - 05:00 AM	49.1	63.6	47.2
05:00 AM - 06:00 AM	60.2	76.8	52.6
06:00 AM - 07:00 AM	54.5	74.9	51.8
07:00 AM - 08:00 AM	56.4	79.6	52.2
08:00 AM - 09:00 AM	62.0	84.0	55.7
09:00 AM - 10:00 AM	59.2	72.7	55.0
10:00 AM - 11:00 AM	70.0	81.4	67.1

Leq Average 24 hrs. (dB(A))

58.8

Lmax (dB(A))

84.0

L90 (dB(A))

51.4

Ldn (dB(A))

61.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
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S:\Reports_Air Noise rpt (3:58PM)



Analysis / Test Report



TESTING
No.0042

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485389

Date Received : Sep 04, 2024

Date Reported : Sep 09, 2024

Report Number: 3105645-1

Page 1 of 1

Sample Number 2485389-18
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (GPS 47P 0735578, 1402792)
Measurement Date Aug 29 - Aug 30, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.3	70.4	62.9
12:00 PM - 01:00 PM	61.5	73.0	60.3
01:00 PM - 02:00 PM	59.3	74.8	58.2
02:00 PM - 03:00 PM	56.6	73.4	55.2
03:00 PM - 04:00 PM	67.9	87.2	65.1
04:00 PM - 05:00 PM	65.0	82.9	64.3
05:00 PM - 06:00 PM	60.7	71.0	59.8
06:00 PM - 07:00 PM	57.9	72.7	56.9
07:00 PM - 08:00 PM	56.7	68.9	55.6
08:00 PM - 09:00 PM	55.7	69.6	54.3
09:00 PM - 10:00 PM	53.9	70.5	52.3
10:00 PM - 11:00 PM	53.8	69.3	52.3
11:00 PM - 12:00 AM	53.5	72.6	51.6
12:00 AM - 01:00 AM	54.7	72.0	51.8
01:00 AM - 02:00 AM	52.6	62.8	50.2
02:00 AM - 03:00 AM	52.3	71.8	49.2
03:00 AM - 04:00 AM	50.3	67.4	48.5
04:00 AM - 05:00 AM	49.4	67.2	47.9
05:00 AM - 06:00 AM	51.2	64.2	49.4
06:00 AM - 07:00 AM	54.9	72.8	52.4
07:00 AM - 08:00 AM	57.4	79.3	53.4
08:00 AM - 09:00 AM	54.9	69.3	52.1
09:00 AM - 10:00 AM	54.8	74.2	51.6
10:00 AM - 11:00 AM	55.0	67.5	51.7

Leq Average 24 hrs. (dB(A))

59.3

Lmax (dB(A))

87.2

L90 (dB(A))

52.3

Ldn (dB(A))

61.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
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S:\Reports_Air Noise rpt (3:59PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105646-1

Page 1 of 1

Sample Number 2485389-19
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-ฉะปะระอุ (GPS 47P 0735578, 1402792)
Measurement Date Aug 30 - Aug 31, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.8	68.2	52.4
12:00 PM - 01:00 PM	55.9	76.9	51.9
01:00 PM - 02:00 PM	55.8	72.0	52.4
02:00 PM - 03:00 PM	60.7	82.8	55.8
03:00 PM - 04:00 PM	58.2	78.3	54.7
04:00 PM - 05:00 PM	55.5	72.4	52.7
05:00 PM - 06:00 PM	54.0	70.5	51.1
06:00 PM - 07:00 PM	54.2	73.3	50.6
07:00 PM - 08:00 PM	53.0	69.6	49.5
08:00 PM - 09:00 PM	53.5	77.4	49.2
09:00 PM - 10:00 PM	51.5	70.0	48.2
10:00 PM - 11:00 PM	51.7	78.5	48.3
11:00 PM - 12:00 AM	52.6	79.1	48.7
12:00 AM - 01:00 AM	49.4	69.2	47.3
01:00 AM - 02:00 AM	49.0	68.0	46.9
02:00 AM - 03:00 AM	49.7	64.6	47.7
03:00 AM - 04:00 AM	50.0	72.5	47.8
04:00 AM - 05:00 AM	49.8	67.7	47.7
05:00 AM - 06:00 AM	51.1	75.2	48.5
06:00 AM - 07:00 AM	54.3	75.7	50.7
07:00 AM - 08:00 AM	56.0	80.1	51.7
08:00 AM - 09:00 AM	52.0	67.8	50.0
09:00 AM - 10:00 AM	51.7	66.7	49.5
10:00 AM - 11:00 AM	51.8	67.1	49.6

Leq Average 24 hrs. (dB(A)) 54.3
Lmax (dB(A)) 82.8
L90 (dB(A)) 49.5
Ldn (dB(A)) 58.5
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
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S:\Reports_Air Noise rpt (3:59PM)



Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105647-1

Page 1 of 1

Sample Number 2485389-20
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-ฉะปะระอุ (GPS 47P 0735578, 1402792)
Measurement Date Aug 31 - Sep 01, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.5	71.5	49.0
12:00 PM - 01:00 PM	51.9	66.9	49.3
01:00 PM - 02:00 PM	53.8	78.1	49.8
02:00 PM - 03:00 PM	52.3	78.6	49.1
03:00 PM - 04:00 PM	53.5	80.4	49.3
04:00 PM - 05:00 PM	52.8	71.0	50.0
05:00 PM - 06:00 PM	54.6	80.1	50.7
06:00 PM - 07:00 PM	54.0	69.4	50.8
07:00 PM - 08:00 PM	54.6	79.8	49.5
08:00 PM - 09:00 PM	54.0	73.4	50.1
09:00 PM - 10:00 PM	50.7	67.4	48.3
10:00 PM - 11:00 PM	51.1	74.8	47.9
11:00 PM - 12:00 AM	49.5	68.5	47.0
12:00 AM - 01:00 AM	49.7	66.0	47.2
01:00 AM - 02:00 AM	50.9	70.7	48.6
02:00 AM - 03:00 AM	49.6	62.5	48.1
03:00 AM - 04:00 AM	50.3	69.3	47.9
04:00 AM - 05:00 AM	49.2	69.9	47.4
05:00 AM - 06:00 AM	50.1	61.6	48.3
06:00 AM - 07:00 AM	52.3	73.3	49.5
07:00 AM - 08:00 AM	53.0	72.2	49.5
08:00 AM - 09:00 AM	51.7	68.9	49.2
09:00 AM - 10:00 AM	51.6	63.7	49.5
10:00 AM - 11:00 AM	52.8	69.0	50.1

Leq Average 24 hrs. (dB(A)) 52.2
Lmax (dB(A)) 80.4
L90 (dB(A)) 49.2
Ldn (dB(A)) 57.3
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
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Analysis / Test Report



TESTING
No.0042

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

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

Lot ID: 2485389
Date Received : Sep 04, 2024
Date Reported : Sep 09, 2024
Report Number: 3105648-1

Page 1 of 1

Sample Number : 2485389-21
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนตากวน-ฉะบือ (GPS 47P 0735578, 1402792)
Measurement Date : Sep 01 - Sep 02, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 734223

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.5	72.5	49.4
12:00 PM - 01:00 PM	52.4	69.4	49.5
01:00 PM - 02:00 PM	51.8	68.3	48.7
02:00 PM - 03:00 PM	51.4	71.1	48.4
03:00 PM - 04:00 PM	51.7	76.6	47.5
04:00 PM - 05:00 PM	53.0	74.2	49.0
05:00 PM - 06:00 PM	52.6	71.7	49.1
06:00 PM - 07:00 PM	52.9	73.0	49.3
07:00 PM - 08:00 PM	52.4	69.3	48.4
08:00 PM - 09:00 PM	52.2	76.3	47.6
09:00 PM - 10:00 PM	55.4	71.5	52.9
10:00 PM - 11:00 PM	51.2	71.6	47.6
11:00 PM - 12:00 AM	52.4	71.1	49.3
12:00 AM - 01:00 AM	72.0	79.0	68.9
01:00 AM - 02:00 AM	65.8	78.3	64.2
02:00 AM - 03:00 AM	64.1	74.0	63.1
03:00 AM - 04:00 AM	64.4	74.2	63.5
04:00 AM - 05:00 AM	65.8	78.2	65.1
05:00 AM - 06:00 AM	66.1	72.4	65.3
06:00 AM - 07:00 AM	62.8	77.1	60.6
07:00 AM - 08:00 AM	59.4	78.7	56.9
08:00 AM - 09:00 AM	56.8	69.8	55.3
09:00 AM - 10:00 AM	55.4	77.0	53.7
10:00 AM - 11:00 AM	54.0	66.3	52.4

Leq Average 24 hrs. (dB(A)) : 62.1
Lmax (dB(A)) : 79.0
L90 (dB(A)) : 49.5
Ldn (dB(A)) : 71.7
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by

Supot Salamteh
Section Head

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4989-122/ EMAIL

S:\Reports_Air Noise rpt (3:59PM)



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: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102371-1

Page 1 of 3

Sample Number : 2485391-1
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนวัดโสก (GPS 47P 0735038, 1405843)
Measurement Date : Aug 26 - Aug 27, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00472126

Aug 26, 2024	Leq	L90	Aug 26, 2024	Leq	L90	Aug 26, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	46.8	41.4	01:40 PM - 01:45 PM	50.1	44.0	04:20 PM - 04:25 PM	51.9	49.5
11:05 AM - 11:10 AM	51.0	41.9	01:45 PM - 01:50 PM	50.6	44.0	04:25 PM - 04:30 PM	53.7	49.6
11:10 AM - 11:15 AM	48.4	43.7	01:50 PM - 01:55 PM	50.7	44.8	04:30 PM - 04:35 PM	53.9	49.5
11:15 AM - 11:20 AM	49.7	43.7	01:55 PM - 02:00 PM	47.6	43.7	04:35 PM - 04:40 PM	54.3	48.9
11:20 AM - 11:25 AM	53.0	44.8	02:00 PM - 02:05 PM	51.4	43.9	04:40 PM - 04:45 PM	52.9	49.1
11:25 AM - 11:30 AM	50.0	44.4	02:05 PM - 02:10 PM	50.6	42.2	04:45 PM - 04:50 PM	51.7	48.2
11:30 AM - 11:35 AM	49.7	44.4	02:10 PM - 02:15 PM	50.7	44.4	04:50 PM - 04:55 PM	50.4	46.0
11:35 AM - 11:40 AM	48.9	44.9	02:15 PM - 02:20 PM	52.6	43.1	04:55 PM - 05:00 PM	52.6	46.6
11:40 AM - 11:45 AM	48.9	44.7	02:20 PM - 02:25 PM	50.1	43.9	05:00 PM - 05:05 PM	50.9	47.8
11:45 AM - 11:50 AM	49.5	45.3	02:25 PM - 02:30 PM	48.9	42.6	05:05 PM - 05:10 PM	51.7	47.9
11:50 AM - 11:55 AM	51.6	45.2	02:30 PM - 02:35 PM	48.9	44.1	05:10 PM - 05:15 PM	52.3	48.1
11:55 AM - 12:00 PM	51.7	45.2	02:35 PM - 02:40 PM	48.9	43.4	05:15 PM - 05:20 PM	52.9	48.5
12:00 PM - 12:05 PM	51.6	48.1	02:40 PM - 02:45 PM	47.0	44.1	05:20 PM - 05:25 PM	51.6	47.8
12:05 PM - 12:10 PM	52.5	47.2	02:45 PM - 02:50 PM	49.1	44.5	05:25 PM - 05:30 PM	51.6	47.9
12:10 PM - 12:15 PM	51.3	47.4	02:50 PM - 02:55 PM	49.1	45.1	05:30 PM - 05:35 PM	52.8	47.3
12:15 PM - 12:20 PM	51.7	47.4	02:55 PM - 03:00 PM	47.5	44.1	05:35 PM - 05:40 PM	52.1	46.7
12:20 PM - 12:25 PM	48.5	43.5	03:00 PM - 03:05 PM	49.7	45.2	05:40 PM - 05:45 PM	51.4	46.9
12:25 PM - 12:30 PM	48.4	44.6	03:05 PM - 03:10 PM	52.9	45.5	05:45 PM - 05:50 PM	52.5	49.4
12:30 PM - 12:35 PM	48.4	42.6	03:10 PM - 03:15 PM	50.5	44.1	05:50 PM - 05:55 PM	51.8	47.3
12:35 PM - 12:40 PM	48.4	43.1	03:15 PM - 03:20 PM	49.8	45.0	05:55 PM - 06:00 PM	52.1	47.3
12:40 PM - 12:45 PM	49.5	44.2	03:20 PM - 03:25 PM	50.2	43.6	06:00 PM - 06:05 PM	49.0	46.3
12:45 PM - 12:50 PM	48.1	44.5	03:25 PM - 03:30 PM	50.4	46.0	06:05 PM - 06:10 PM	53.5	47.1
12:50 PM - 12:55 PM	49.5	44.1	03:30 PM - 03:35 PM	50.3	45.8	06:10 PM - 06:15 PM	51.8	47.5
12:55 PM - 01:00 PM	49.1	44.0	03:35 PM - 03:40 PM	50.8	47.1	06:15 PM - 06:20 PM	51.5	47.1
01:00 PM - 01:05 PM	49.0	44.5	03:40 PM - 03:45 PM	51.5	45.6	06:20 PM - 06:25 PM	51.4	46.3
01:05 PM - 01:10 PM	48.3	44.9	03:45 PM - 03:50 PM	50.4	45.1	06:25 PM - 06:30 PM	52.7	47.6
01:10 PM - 01:15 PM	49.6	45.3	03:50 PM - 03:55 PM	50.8	46.2	06:30 PM - 06:35 PM	52.3	47.3
01:15 PM - 01:20 PM	50.2	44.3	03:55 PM - 04:00 PM	48.8	44.9	06:35 PM - 06:40 PM	50.9	47.1
01:20 PM - 01:25 PM	45.2	41.5	04:00 PM - 04:05 PM	50.9	45.8	06:40 PM - 06:45 PM	50.5	47.5
01:25 PM - 01:30 PM	47.9	41.9	04:05 PM - 04:10 PM	50.9	45.1	06:45 PM - 06:50 PM	51.2	47.4
01:30 PM - 01:35 PM	50.8	42.4	04:10 PM - 04:15 PM	51.4	48.4	06:50 PM - 06:55 PM	53.9	48.4
01:35 PM - 01:40 PM	61.7	43.6	04:15 PM - 04:20 PM	51.5	49.2	06:55 PM - 07:00 PM	51.1	47.3

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Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102371-1

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

Page 2 of 3

Sample Number 2485391-1
Parameter Noise Level (Leq 5 min)
Location ฐานวัดใกล้ถนน (GPS 47P 0735038, 1405843)
Measurement Date Aug 26 - Aug 27, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 26, 2024			Aug 26 - Aug 27, 2024			Aug 27, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	52.6	47.4	09:40 PM - 09:45 PM	49.3	43.0	12:20 AM - 12:25 AM	47.5	42.2
07:05 PM - 07:10 PM	52.2	49.3	09:45 PM - 09:50 PM	50.5	42.8	12:25 AM - 12:30 AM	47.9	42.5
07:10 PM - 07:15 PM	54.7	47.8	09:50 PM - 09:55 PM	46.6	42.0	12:30 AM - 12:35 AM	46.7	41.6
07:15 PM - 07:20 PM	52.6	47.6	09:55 PM - 10:00 PM	50.4	43.1	12:35 AM - 12:40 AM	44.8	40.3
07:20 PM - 07:25 PM	53.0	47.9	10:00 PM - 10:05 PM	49.4	41.5	12:40 AM - 12:45 AM	46.2	40.2
07:25 PM - 07:30 PM	50.5	46.3	10:05 PM - 10:10 PM	48.0	41.1	12:45 AM - 12:50 AM	44.3	40.3
07:30 PM - 07:35 PM	55.3	46.8	10:10 PM - 10:15 PM	48.7	42.2	12:50 AM - 12:55 AM	44.2	39.7
07:35 PM - 07:40 PM	53.9	47.2	10:15 PM - 10:20 PM	49.7	44.3	12:55 AM - 01:00 AM	49.5	41.9
07:40 PM - 07:45 PM	51.5	46.9	10:20 PM - 10:25 PM	51.3	43.9	01:00 AM - 01:05 AM	51.3	43.1
07:45 PM - 07:50 PM	51.1	46.5	10:25 PM - 10:30 PM	49.6	42.1	01:05 AM - 01:10 AM	55.7	43.1
07:50 PM - 07:55 PM	51.0	46.5	10:30 PM - 10:35 PM	50.7	43.0	01:10 AM - 01:15 AM	45.5	43.2
07:55 PM - 08:00 PM	51.0	46.6	10:35 PM - 10:40 PM	49.3	41.7	01:15 AM - 01:20 AM	47.7	42.7
08:00 PM - 08:05 PM	49.4	44.9	10:40 PM - 10:45 PM	49.9	42.5	01:20 AM - 01:25 AM	47.1	42.1
08:05 PM - 08:10 PM	51.5	45.7	10:45 PM - 10:50 PM	55.5	41.9	01:25 AM - 01:30 AM	43.4	41.0
08:10 PM - 08:15 PM	53.7	46.0	10:50 PM - 10:55 PM	52.3	43.7	01:30 AM - 01:35 AM	45.1	42.3
08:15 PM - 08:20 PM	49.9	45.6	10:55 PM - 11:00 PM	50.9	42.9	01:35 AM - 01:40 AM	48.2	42.3
08:20 PM - 08:25 PM	52.1	45.7	11:00 PM - 11:05 PM	53.9	43.2	01:40 AM - 01:45 AM	46.2	42.4
08:25 PM - 08:30 PM	51.6	44.6	11:05 PM - 11:10 PM	48.2	43.4	01:45 AM - 01:50 AM	47.5	41.6
08:30 PM - 08:35 PM	52.8	44.9	11:10 PM - 11:15 PM	50.3	44.0	01:50 AM - 01:55 AM	50.5	42.1
08:35 PM - 08:40 PM	50.0	43.3	11:15 PM - 11:20 PM	55.7	44.5	01:55 AM - 02:00 AM	44.4	42.2
08:40 PM - 08:45 PM	51.7	44.0	11:20 PM - 11:25 PM	55.4	44.3	02:00 AM - 02:05 AM	48.5	42.6
08:45 PM - 08:50 PM	52.2	45.6	11:25 PM - 11:30 PM	48.2	43.8	02:05 AM - 02:10 AM	48.5	42.1
08:50 PM - 08:55 PM	50.7	46.2	11:30 PM - 11:35 PM	49.4	45.5	02:10 AM - 02:15 AM	47.8	42.2
08:55 PM - 09:00 PM	50.4	43.3	11:35 PM - 11:40 PM	49.3	42.9	02:15 AM - 02:20 AM	48.0	41.7
09:00 PM - 09:05 PM	52.5	46.2	11:40 PM - 11:45 PM	51.0	43.7	02:20 AM - 02:25 AM	45.9	41.5
09:05 PM - 09:10 PM	51.9	46.3	11:45 PM - 11:50 PM	46.1	41.4	02:25 AM - 02:30 AM	51.1	42.3
09:10 PM - 09:15 PM	49.4	44.3	11:50 PM - 11:55 PM	48.6	43.0	02:30 AM - 02:35 AM	46.2	42.3
09:15 PM - 09:20 PM	53.5	44.0	11:55 PM - 12:00 AM	46.7	42.0	02:35 AM - 02:40 AM	45.2	42.2
09:20 PM - 09:25 PM	51.3	44.2	12:00 AM - 12:05 AM	48.9	41.7	02:40 AM - 02:45 AM	47.9	41.7
09:25 PM - 09:30 PM	49.3	43.4	12:05 AM - 12:10 AM	44.6	40.9	02:45 AM - 02:50 AM	43.8	39.9
09:30 PM - 09:35 PM	50.8	42.9	12:10 AM - 12:15 AM	51.1	41.7	02:50 AM - 02:55 AM	44.1	40.1
09:35 PM - 09:40 PM	55.2	42.5	12:15 AM - 12:20 AM	45.1	40.8	02:55 AM - 03:00 AM	47.5	41.6

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Sarayuth Jitranont
Assistant General Manager

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



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102371-1

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

Page 3 of 3

Sample Number 2485391-1
Parameter Noise Level (Leq 5 min)
Location ฐานวัดใกล้ถนน (GPS 47P 0735038, 1405843)
Measurement Date Aug 26 - Aug 27, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 27, 2024			Aug 27, 2024			Aug 27, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	45.7	40.7	05:40 AM - 05:45 AM	53.0	46.3	08:20 AM - 08:25 AM	50.4	45.7
03:05 AM - 03:10 AM	43.7	40.2	05:45 AM - 05:50 AM	53.7	47.1	08:25 AM - 08:30 AM	49.9	46.6
03:10 AM - 03:15 AM	42.8	40.5	05:50 AM - 05:55 AM	54.4	48.1	08:30 AM - 08:35 AM	50.1	46.7
03:15 AM - 03:20 AM	45.5	41.8	05:55 AM - 06:00 AM	55.8	48.5	08:35 AM - 08:40 AM	51.8	47.7
03:20 AM - 03:25 AM	42.9	40.8	06:00 AM - 06:05 AM	54.3	47.8	08:40 AM - 08:45 AM	51.3	45.7
03:25 AM - 03:30 AM	44.2	40.2	06:05 AM - 06:10 AM	56.7	49.0	08:45 AM - 08:50 AM	49.5	44.3
03:30 AM - 03:35 AM	47.4	40.5	06:10 AM - 06:15 AM	57.9	48.5	08:50 AM - 08:55 AM	49.4	45.0
03:35 AM - 03:40 AM	47.1	40.5	06:15 AM - 06:20 AM	52.4	48.6	08:55 AM - 09:00 AM	48.8	45.3
03:40 AM - 03:45 AM	46.3	39.2	06:20 AM - 06:25 AM	54.9	48.0	09:00 AM - 09:05 AM	49.8	45.7
03:45 AM - 03:50 AM	43.0	40.2	06:25 AM - 06:30 AM	58.4	48.5	09:05 AM - 09:10 AM	48.2	45.1
03:50 AM - 03:55 AM	47.3	39.5	06:30 AM - 06:35 AM	52.0	48.1	09:10 AM - 09:15 AM	52.1	44.1
03:55 AM - 04:00 AM	45.0	41.2	06:35 AM - 06:40 AM	54.8	48.4	09:15 AM - 09:20 AM	47.9	44.0
04:00 AM - 04:05 AM	43.4	40.2	06:40 AM - 06:45 AM	55.5	48.8	09:20 AM - 09:25 AM	48.0	43.5
04:05 AM - 04:10 AM	45.8	40.4	06:45 AM - 06:50 AM	67.8	48.6	09:25 AM - 09:30 AM	48.5	42.9
04:10 AM - 04:15 AM	44.1	41.7	06:50 AM - 06:55 AM	55.0	48.3	09:30 AM - 09:35 AM	46.6	42.9
04:15 AM - 04:20 AM	44.8	42.6	06:55 AM - 07:00 AM	55.5	48.4	09:35 AM - 09:40 AM	48.5	45.0
04:20 AM - 04:25 AM	49.1	42.9	07:00 AM - 07:05 AM	63.6	53.6	09:40 AM - 09:45 AM	48.2	43.8
04:25 AM - 04:30 AM	45.1	42.2	07:05 AM - 07:10 AM	51.7	48.1	09:45 AM - 09:50 AM	49.6	44.5
04:30 AM - 04:35 AM	46.2	43.0	07:10 AM - 07:15 AM	52.7	48.4	09:50 AM - 09:55 AM	51.3	43.6
04:35 AM - 04:40 AM	48.7	43.8	07:15 AM - 07:20 AM	53.2	48.7	09:55 AM - 10:00 AM	50.8	42.8
04:40 AM - 04:45 AM	49.4	41.9	07:20 AM - 07:25 AM	53.2	49.2	10:00 AM - 10:05 AM	49.3	43.6
04:45 AM - 04:50 AM	48.9	42.8	07:25 AM - 07:30 AM	54.2	49.3	10:05 AM - 10:10 AM	51.4	43.6
04:50 AM - 04:55 AM	49.8	43.4	07:30 AM - 07:35 AM	54.0	49.5	10:10 AM - 10:15 AM	54.2	43.6
04:55 AM - 05:00 AM	48.1	44.3	07:35 AM - 07:40 AM	53.9	49.9	10:15 AM - 10:20 AM	48.3	43.1
05:00 AM - 05:05 AM	48.9	44.1	07:40 AM - 07:45 AM	53.1	49.1	10:20 AM - 10:25 AM	48.6	44.1
05:05 AM - 05:10 AM	49.1	43.7	07:45 AM - 07:50 AM	54.0	48.0	10:25 AM - 10:30 AM	49.9	44.2
05:10 AM - 05:15 AM	49.0	44.8	07:50 AM - 07:55 AM	53.6	47.6	10:30 AM - 10:35 AM	49.9	44.5
05:15 AM - 05:20 AM	47.6	43.5	07:55 AM - 08:00 AM	52.8	48.3	10:35 AM - 10:40 AM	49.3	45.2
05:20 AM - 05:25 AM	49.3	44.2	08:00 AM - 08:05 AM	51.2	45.6	10:40 AM - 10:45 AM	48.9	44.5
05:25 AM - 05:30 AM	52.2	44.5	08:05 AM - 08:10 AM	51.4	45.9	10:45 AM - 10:50 AM	48.1	44.6
05:30 AM - 05:35 AM	51.0	44.8	08:10 AM - 08:15 AM	52.2	46.0	10:50 AM - 10:55 AM	47.5	43.8
05:35 AM - 05:40 AM	50.7	44.4	08:15 AM - 08:20 AM	50.0	45.4	10:55 AM - 11:00 AM	50.1	43.1

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Sarayuth Jitranont
Assistant General Manager

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



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102372-1

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Page 1 of 3

Sample Number 2485391-2
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Aug 27 - Aug 28, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 27, 2024	Leq	L90	Aug 27, 2024	Leq	L90	Aug 27, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	48.9	44.2	01:40 PM - 01:45 PM	49.2	43.8	04:20 PM - 04:25 PM	52.9	48.9
11:05 AM - 11:10 AM	48.9	44.8	01:45 PM - 01:50 PM	49.2	43.5	04:25 PM - 04:30 PM	51.0	48.8
11:10 AM - 11:15 AM	49.4	43.4	01:50 PM - 01:55 PM	48.6	42.9	04:30 PM - 04:35 PM	51.9	47.4
11:15 AM - 11:20 AM	48.6	43.9	01:55 PM - 02:00 PM	50.9	44.8	04:35 PM - 04:40 PM	51.0	47.0
11:20 AM - 11:25 AM	48.7	45.1	02:00 PM - 02:05 PM	48.3	43.9	04:40 PM - 04:45 PM	52.0	47.3
11:25 AM - 11:30 AM	49.3	44.4	02:05 PM - 02:10 PM	53.2	45.7	04:45 PM - 04:50 PM	53.0	48.0
11:30 AM - 11:35 AM	48.9	43.6	02:10 PM - 02:15 PM	47.2	41.6	04:50 PM - 04:55 PM	52.0	48.4
11:35 AM - 11:40 AM	50.2	45.1	02:15 PM - 02:20 PM	46.3	41.8	04:55 PM - 05:00 PM	51.1	46.6
11:40 AM - 11:45 AM	49.1	45.2	02:20 PM - 02:25 PM	48.1	42.6	05:00 PM - 05:05 PM	53.0	47.6
11:45 AM - 11:50 AM	48.6	44.2	02:25 PM - 02:30 PM	47.2	42.7	05:05 PM - 05:10 PM	53.1	49.6
11:50 AM - 11:55 AM	52.2	44.6	02:30 PM - 02:35 PM	47.9	42.4	05:10 PM - 05:15 PM	53.2	50.0
11:55 AM - 12:00 PM	49.7	44.6	02:35 PM - 02:40 PM	48.2	43.6	05:15 PM - 05:20 PM	54.9	50.4
12:00 PM - 12:05 PM	53.1	48.5	02:40 PM - 02:45 PM	47.8	44.3	05:20 PM - 05:25 PM	52.2	48.6
12:05 PM - 12:10 PM	53.5	48.4	02:45 PM - 02:50 PM	46.9	44.0	05:25 PM - 05:30 PM	50.9	47.3
12:10 PM - 12:15 PM	53.1	48.9	02:50 PM - 02:55 PM	51.1	45.0	05:30 PM - 05:35 PM	53.3	48.6
12:15 PM - 12:20 PM	50.2	43.9	02:55 PM - 03:00 PM	51.5	43.7	05:35 PM - 05:40 PM	52.8	48.9
12:20 PM - 12:25 PM	48.8	43.2	03:00 PM - 03:05 PM	51.7	43.6	05:40 PM - 05:45 PM	52.8	48.8
12:25 PM - 12:30 PM	47.7	43.1	03:05 PM - 03:10 PM	48.6	43.1	05:45 PM - 05:50 PM	52.5	48.7
12:30 PM - 12:35 PM	48.1	44.4	03:10 PM - 03:15 PM	48.2	42.2	05:50 PM - 05:55 PM	54.4	49.6
12:35 PM - 12:40 PM	48.8	43.1	03:15 PM - 03:20 PM	49.2	44.7	05:55 PM - 06:00 PM	52.7	49.2
12:40 PM - 12:45 PM	47.4	43.9	03:20 PM - 03:25 PM	50.1	45.8	06:00 PM - 06:05 PM	53.2	49.1
12:45 PM - 12:50 PM	49.3	43.5	03:25 PM - 03:30 PM	50.6	45.6	06:05 PM - 06:10 PM	53.5	50.0
12:50 PM - 12:55 PM	50.8	45.2	03:30 PM - 03:35 PM	48.9	43.0	06:10 PM - 06:15 PM	58.9	48.5
12:55 PM - 01:00 PM	51.2	45.1	03:35 PM - 03:40 PM	49.4	45.2	06:15 PM - 06:20 PM	52.5	49.6
01:00 PM - 01:05 PM	50.3	44.7	03:40 PM - 03:45 PM	48.6	44.2	06:20 PM - 06:25 PM	52.8	49.7
01:05 PM - 01:10 PM	49.9	45.8	03:45 PM - 03:50 PM	53.4	44.3	06:25 PM - 06:30 PM	53.4	49.1
01:10 PM - 01:15 PM	49.7	45.4	03:50 PM - 03:55 PM	49.4	45.1	06:30 PM - 06:35 PM	54.2	49.4
01:15 PM - 01:20 PM	50.0	44.8	03:55 PM - 04:00 PM	48.6	43.4	06:35 PM - 06:40 PM	58.7	50.2
01:20 PM - 01:25 PM	48.7	44.6	04:00 PM - 04:05 PM	49.6	44.2	06:40 PM - 06:45 PM	53.8	49.3
01:25 PM - 01:30 PM	48.9	44.9	04:05 PM - 04:10 PM	49.9	44.8	06:45 PM - 06:50 PM	58.1	48.6
01:30 PM - 01:35 PM	47.5	43.3	04:10 PM - 04:15 PM	50.8	47.1	06:50 PM - 06:55 PM	52.5	48.4
01:35 PM - 01:40 PM	48.8	44.4	04:15 PM - 04:20 PM	51.4	48.2	06:55 PM - 07:00 PM	53.8	49.6

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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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102372-1

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Page 2 of 3

Sample Number 2485391-2
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Aug 27 - Aug 28, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 27, 2024	Leq	L90	Aug 27 - Aug 28, 2024	Leq	L90	Aug 28, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	54.1	49.8	09:40 PM - 09:45 PM	52.4	47.7	12:20 AM - 12:25 AM	52.5	46.9
07:05 PM - 07:10 PM	53.8	49.4	09:45 PM - 09:50 PM	49.5	44.6	12:25 AM - 12:30 AM	48.9	46.4
07:10 PM - 07:15 PM	52.3	48.9	09:50 PM - 09:55 PM	51.9	44.1	12:30 AM - 12:35 AM	49.5	45.0
07:15 PM - 07:20 PM	53.0	49.3	09:55 PM - 10:00 PM	52.6	43.9	12:35 AM - 12:40 AM	47.4	44.9
07:20 PM - 07:25 PM	53.8	50.5	10:00 PM - 10:05 PM	52.0	44.3	12:40 AM - 12:45 AM	47.9	44.6
07:25 PM - 07:30 PM	54.4	49.8	10:05 PM - 10:10 PM	47.5	43.6	12:45 AM - 12:50 AM	47.0	44.0
07:30 PM - 07:35 PM	53.2	50.1	10:10 PM - 10:15 PM	47.8	43.2	12:50 AM - 12:55 AM	47.0	43.3
07:35 PM - 07:40 PM	54.8	51.2	10:15 PM - 10:20 PM	47.3	44.1	12:55 AM - 01:00 AM	46.5	43.6
07:40 PM - 07:45 PM	53.9	49.7	10:20 PM - 10:25 PM	48.7	43.8	01:00 AM - 01:05 AM	46.5	42.9
07:45 PM - 07:50 PM	53.4	48.2	10:25 PM - 10:30 PM	50.4	46.0	01:05 AM - 01:10 AM	48.9	44.2
07:50 PM - 07:55 PM	53.7	47.9	10:30 PM - 10:35 PM	51.9	46.3	01:10 AM - 01:15 AM	48.1	43.2
07:55 PM - 08:00 PM	55.6	50.8	10:35 PM - 10:40 PM	52.8	45.4	01:15 AM - 01:20 AM	44.9	42.5
08:00 PM - 08:05 PM	55.1	49.0	10:40 PM - 10:45 PM	49.2	45.7	01:20 AM - 01:25 AM	47.7	42.5
08:05 PM - 08:10 PM	56.1	49.8	10:45 PM - 10:50 PM	49.4	44.7	01:25 AM - 01:30 AM	48.6	43.4
08:10 PM - 08:15 PM	53.8	49.2	10:50 PM - 10:55 PM	49.6	44.7	01:30 AM - 01:35 AM	46.8	42.4
08:15 PM - 08:20 PM	54.5	49.6	10:55 PM - 11:00 PM	50.8	42.8	01:35 AM - 01:40 AM	44.4	42.2
08:20 PM - 08:25 PM	52.7	47.7	11:00 PM - 11:05 PM	46.7	43.0	01:40 AM - 01:45 AM	46.7	42.7
08:25 PM - 08:30 PM	54.3	48.9	11:05 PM - 11:10 PM	48.1	43.4	01:45 AM - 01:50 AM	44.8	41.5
08:30 PM - 08:35 PM	52.4	47.2	11:10 PM - 11:15 PM	49.0	44.4	01:50 AM - 01:55 AM	52.4	42.4
08:35 PM - 08:40 PM	54.1	49.7	11:15 PM - 11:20 PM	48.9	44.6	01:55 AM - 02:00 AM	44.8	42.3
08:40 PM - 08:45 PM	54.5	49.7	11:20 PM - 11:25 PM	49.0	44.9	02:00 AM - 02:05 AM	48.9	42.5
08:45 PM - 08:50 PM	53.9	48.4	11:25 PM - 11:30 PM	46.8	43.4	02:05 AM - 02:10 AM	43.9	40.9
08:50 PM - 08:55 PM	51.7	47.6	11:30 PM - 11:35 PM	48.7	45.4	02:10 AM - 02:15 AM	47.6	40.3
08:55 PM - 09:00 PM	51.5	46.6	11:35 PM - 11:40 PM	49.4	44.0	02:15 AM - 02:20 AM	44.9	40.8
09:00 PM - 09:05 PM	51.7	47.5	11:40 PM - 11:45 PM	47.9	44.1	02:20 AM - 02:25 AM	44.6	42.3
09:05 PM - 09:10 PM	52.3	46.0	11:45 PM - 11:50 PM	46.7	43.3	02:25 AM - 02:30 AM	48.5	42.6
09:10 PM - 09:15 PM	55.8	48.4	11:50 PM - 11:55 PM	49.6	44.2	02:30 AM - 02:35 AM	51.1	44.3
09:15 PM - 09:20 PM	53.1	48.0	11:55 PM - 12:00 AM	48.1	44.8	02:35 AM - 02:40 AM	46.7	44.2
09:20 PM - 09:25 PM	54.3	48.9	12:00 AM - 12:05 AM	52.0	44.3	02:40 AM - 02:45 AM	49.0	43.6
09:25 PM - 09:30 PM	53.5	49.0	12:05 AM - 12:10 AM	50.0	45.0	02:45 AM - 02:50 AM	45.3	43.6
09:30 PM - 09:35 PM	53.3	48.8	12:10 AM - 12:15 AM	49.1	45.2	02:50 AM - 02:55 AM	47.0	43.9
09:35 PM - 09:40 PM	53.2	49.0	12:15 AM - 12:20 AM	55.3	45.6	02:55 AM - 03:00 AM	50.1	45.0

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Approved by

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Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102372-1

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

Page 3 of 3

Sample Number 2485391-2
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Aug 27 - Aug 28, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 28, 2024	Leq	L90	Aug 28, 2024	Leq	L90	Aug 28, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
03:00 AM - 03:05 AM	48.6	46.5	05:40 AM - 05:45 AM	51.4	45.8	08:20 AM - 08:25 AM	49.8	43.6
03:05 AM - 03:10 AM	45.7	44.6	05:45 AM - 05:50 AM	53.1	46.0	08:25 AM - 08:30 AM	52.2	44.8
03:10 AM - 03:15 AM	51.9	44.9	05:50 AM - 05:55 AM	53.2	47.2	08:30 AM - 08:35 AM	51.0	45.6
03:15 AM - 03:20 AM	54.2	44.8	05:55 AM - 06:00 AM	53.7	48.4	08:35 AM - 08:40 AM	51.1	45.9
03:20 AM - 03:25 AM	50.3	45.1	06:00 AM - 06:05 AM	56.7	48.2	08:40 AM - 08:45 AM	52.8	46.9
03:25 AM - 03:30 AM	47.9	44.4	06:05 AM - 06:10 AM	55.2	47.4	08:45 AM - 08:50 AM	49.3	43.2
03:30 AM - 03:35 AM	45.4	42.4	06:10 AM - 06:15 AM	59.6	46.7	08:50 AM - 08:55 AM	51.5	43.4
03:35 AM - 03:40 AM	43.6	41.5	06:15 AM - 06:20 AM	63.2	48.4	08:55 AM - 09:00 AM	48.5	42.8
03:40 AM - 03:45 AM	45.8	43.8	06:20 AM - 06:25 AM	60.7	48.2	09:00 AM - 09:05 AM	48.3	42.8
03:45 AM - 03:50 AM	48.1	44.9	06:25 AM - 06:30 AM	61.3	48.6	09:05 AM - 09:10 AM	50.2	44.9
03:50 AM - 03:55 AM	48.8	44.9	06:30 AM - 06:35 AM	53.9	49.0	09:10 AM - 09:15 AM	49.1	44.6
03:55 AM - 04:00 AM	52.4	44.6	06:35 AM - 06:40 AM	56.2	50.0	09:15 AM - 09:20 AM	53.5	47.6
04:00 AM - 04:05 AM	45.4	42.5	06:40 AM - 06:45 AM	56.4	49.8	09:20 AM - 09:25 AM	53.3	50.6
04:05 AM - 04:10 AM	53.2	43.9	06:45 AM - 06:50 AM	54.9	49.5	09:25 AM - 09:30 AM	50.2	44.6
04:10 AM - 04:15 AM	53.7	45.5	06:50 AM - 06:55 AM	55.1	48.6	09:30 AM - 09:35 AM	48.1	43.1
04:15 AM - 04:20 AM	52.8	46.2	06:55 AM - 07:00 AM	54.0	48.9	09:35 AM - 09:40 AM	49.3	44.7
04:20 AM - 04:25 AM	55.9	44.8	07:00 AM - 07:05 AM	53.5	48.9	09:40 AM - 09:45 AM	48.6	44.0
04:25 AM - 04:30 AM	48.9	44.3	07:05 AM - 07:10 AM	53.1	48.4	09:45 AM - 09:50 AM	49.4	45.6
04:30 AM - 04:35 AM	47.0	44.7	07:10 AM - 07:15 AM	52.5	48.7	09:50 AM - 09:55 AM	49.2	45.3
04:35 AM - 04:40 AM	48.3	45.6	07:15 AM - 07:20 AM	54.1	48.3	09:55 AM - 10:00 AM	51.3	45.5
04:40 AM - 04:45 AM	48.7	45.8	07:20 AM - 07:25 AM	53.6	47.0	10:00 AM - 10:05 AM	52.6	45.2
04:45 AM - 04:50 AM	50.4	47.1	07:25 AM - 07:30 AM	55.2	48.8	10:05 AM - 10:10 AM	48.7	44.8
04:50 AM - 04:55 AM	49.7	46.5	07:30 AM - 07:35 AM	50.7	46.7	10:10 AM - 10:15 AM	50.6	45.1
04:55 AM - 05:00 AM	48.8	45.2	07:35 AM - 07:40 AM	52.4	46.3	10:15 AM - 10:20 AM	48.9	44.6
05:00 AM - 05:05 AM	51.9	45.5	07:40 AM - 07:45 AM	52.2	46.0	10:20 AM - 10:25 AM	49.4	45.7
05:05 AM - 05:10 AM	49.9	45.9	07:45 AM - 07:50 AM	51.0	45.5	10:25 AM - 10:30 AM	51.8	46.4
05:10 AM - 05:15 AM	49.3	45.4	07:50 AM - 07:55 AM	50.1	45.7	10:30 AM - 10:35 AM	50.2	46.1
05:15 AM - 05:20 AM	50.8	46.3	07:55 AM - 08:00 AM	54.0	45.2	10:35 AM - 10:40 AM	48.6	44.4
05:20 AM - 05:25 AM	50.5	46.2	08:00 AM - 08:05 AM	50.6	45.1	10:40 AM - 10:45 AM	51.5	45.9
05:25 AM - 05:30 AM	48.4	44.7	08:05 AM - 08:10 AM	53.2	47.0	10:45 AM - 10:50 AM	50.7	44.2
05:30 AM - 05:35 AM	51.0	44.8	08:10 AM - 08:15 AM	51.2	45.7	10:50 AM - 10:55 AM	48.6	44.4
05:35 AM - 05:40 AM	51.2	45.0	08:15 AM - 08:20 AM	51.6	45.5	10:55 AM - 11:00 AM	48.2	44.2

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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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102373-1

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

Page 1 of 3

Sample Number 2485391-3
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Aug 28 - Aug 29, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 28, 2024	Leq	L90	Aug 28, 2024	Leq	L90	Aug 28, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	50.1	46.4	01:40 PM - 01:45 PM	49.6	44.9	04:20 PM - 04:25 PM	53.2	49.9
11:05 AM - 11:10 AM	51.3	46.2	01:45 PM - 01:50 PM	48.6	44.2	04:25 PM - 04:30 PM	54.6	51.1
11:10 AM - 11:15 AM	49.5	45.7	01:50 PM - 01:55 PM	48.6	45.0	04:30 PM - 04:35 PM	57.6	51.8
11:15 AM - 11:20 AM	54.5	46.5	01:55 PM - 02:00 PM	49.2	45.6	04:35 PM - 04:40 PM	56.3	51.8
11:20 AM - 11:25 AM	52.1	46.1	02:00 PM - 02:05 PM	51.4	46.2	04:40 PM - 04:45 PM	55.8	51.7
11:25 AM - 11:30 AM	54.8	48.1	02:05 PM - 02:10 PM	48.6	45.2	04:45 PM - 04:50 PM	54.0	48.9
11:30 AM - 11:35 AM	51.8	47.7	02:10 PM - 02:15 PM	49.4	44.3	04:50 PM - 04:55 PM	51.6	48.6
11:35 AM - 11:40 AM	49.9	47.2	02:15 PM - 02:20 PM	50.9	46.0	04:55 PM - 05:00 PM	52.3	49.1
11:40 AM - 11:45 AM	57.6	47.3	02:20 PM - 02:25 PM	49.8	44.8	05:00 PM - 05:05 PM	52.5	49.3
11:45 AM - 11:50 AM	50.0	46.6	02:25 PM - 02:30 PM	49.7	44.5	05:05 PM - 05:10 PM	55.8	49.7
11:50 AM - 11:55 AM	50.5	46.3	02:30 PM - 02:35 PM	50.6	45.1	05:10 PM - 05:15 PM	52.7	48.8
11:55 AM - 12:00 PM	52.8	46.4	02:35 PM - 02:40 PM	48.7	44.8	05:15 PM - 05:20 PM	53.1	48.8
12:00 PM - 12:05 PM	54.2	49.4	02:40 PM - 02:45 PM	54.1	45.2	05:20 PM - 05:25 PM	53.6	50.0
12:05 PM - 12:10 PM	53.1	49.5	02:45 PM - 02:50 PM	52.8	46.1	05:25 PM - 05:30 PM	51.6	49.1
12:10 PM - 12:15 PM	53.3	49.5	02:50 PM - 02:55 PM	52.9	46.0	05:30 PM - 05:35 PM	52.6	48.3
12:15 PM - 12:20 PM	52.7	47.6	02:55 PM - 03:00 PM	51.4	46.6	05:35 PM - 05:40 PM	52.8	49.1
12:20 PM - 12:25 PM	48.8	45.4	03:00 PM - 03:05 PM	50.3	46.4	05:40 PM - 05:45 PM	53.8	49.5
12:25 PM - 12:30 PM	48.8	44.7	03:05 PM - 03:10 PM	51.7	47.5	05:45 PM - 05:50 PM	53.5	49.3
12:30 PM - 12:35 PM	50.2	45.8	03:10 PM - 03:15 PM	54.6	45.9	05:50 PM - 05:55 PM	51.7	48.9
12:35 PM - 12:40 PM	53.1	46.0	03:15 PM - 03:20 PM	50.7	45.4	05:55 PM - 06:00 PM	51.8	48.3
12:40 PM - 12:45 PM	49.4	46.0	03:20 PM - 03:25 PM	50.4	46.4	06:00 PM - 06:05 PM	52.8	48.5
12:45 PM - 12:50 PM	50.0	46.7	03:25 PM - 03:30 PM	52.7	46.1	06:05 PM - 06:10 PM	54.7	47.9
12:50 PM - 12:55 PM	49.9	47.3	03:30 PM - 03:35 PM	53.1	47.2	06:10 PM - 06:15 PM	52.2	48.3
12:55 PM - 01:00 PM	51.0	47.2	03:35 PM - 03:40 PM	54.3	47.0	06:15 PM - 06:20 PM	51.9	48.1
01:00 PM - 01:05 PM	49.7	46.0	03:40 PM - 03:45 PM	52.6	47.2	06:20 PM - 06:25 PM	53.0	48.6
01:05 PM - 01:10 PM	49.4	45.9	03:45 PM - 03:50 PM	51.8	49.4	06:25 PM - 06:30 PM	51.9	48.8
01:10 PM - 01:15 PM	49.8	46.4	03:50 PM - 03:55 PM	52.0	48.5	06:30 PM - 06:35 PM	52.3	48.1
01:15 PM - 01:20 PM	48.4	45.8	03:55 PM - 04:00 PM	53.6	49.8	06:35 PM - 06:40 PM	54.2	48.2
01:20 PM - 01:25 PM	50.7	46.1	04:00 PM - 04:05 PM	53.4	49.5	06:40 PM - 06:45 PM	52.3	49.0
01:25 PM - 01:30 PM	49.9	45.3	04:05 PM - 04:10 PM	57.4	49.4	06:45 PM - 06:50 PM	54.4	49.3
01:30 PM - 01:35 PM	48.4	44.8	04:10 PM - 04:15 PM	55.4	50.1	06:50 PM - 06:55 PM	54.5	49.3
01:35 PM - 01:40 PM	50.2	46.2	04:15 PM - 04:20 PM	52.4	49.3	06:55 PM - 07:00 PM	52.4	48.8

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Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102373-1

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

Page 2 of 3

Sample Number 2485391-3
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโหนด (GPS 47P 0735038, 1405843)
Measurement Date Aug 28 - Aug 29, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 28, 2024			Aug 28 - Aug 29, 2024			Aug 29, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	52.5	48.9	09:40 PM - 09:45 PM	51.5	47.1	12:20 AM - 12:25 AM	49.4	43.8
07:05 PM - 07:10 PM	52.8	48.9	09:45 PM - 09:50 PM	50.1	46.4	12:25 AM - 12:30 AM	46.4	43.8
07:10 PM - 07:15 PM	53.0	49.1	09:50 PM - 09:55 PM	50.4	46.8	12:30 AM - 12:35 AM	49.2	44.1
07:15 PM - 07:20 PM	51.6	48.1	09:55 PM - 10:00 PM	52.2	46.4	12:35 AM - 12:40 AM	46.7	42.8
07:20 PM - 07:25 PM	51.5	48.2	10:00 PM - 10:05 PM	51.8	47.5	12:40 AM - 12:45 AM	47.6	44.1
07:25 PM - 07:30 PM	52.9	48.4	10:05 PM - 10:10 PM	52.4	47.4	12:45 AM - 12:50 AM	50.6	46.2
07:30 PM - 07:35 PM	50.7	47.4	10:10 PM - 10:15 PM	49.2	44.9	12:50 AM - 12:55 AM	49.5	44.7
07:35 PM - 07:40 PM	50.3	46.5	10:15 PM - 10:20 PM	50.2	45.4	12:55 AM - 01:00 AM	49.1	44.9
07:40 PM - 07:45 PM	53.0	48.7	10:20 PM - 10:25 PM	47.4	44.6	01:00 AM - 01:05 AM	48.2	44.3
07:45 PM - 07:50 PM	50.1	46.7	10:25 PM - 10:30 PM	49.4	44.8	01:05 AM - 01:10 AM	49.0	44.4
07:50 PM - 07:55 PM	51.4	47.1	10:30 PM - 10:35 PM	49.6	45.4	01:10 AM - 01:15 AM	48.9	44.1
07:55 PM - 08:00 PM	50.3	47.0	10:35 PM - 10:40 PM	46.9	44.8	01:15 AM - 01:20 AM	50.6	43.7
08:00 PM - 08:05 PM	51.5	47.9	10:40 PM - 10:45 PM	47.6	45.0	01:20 AM - 01:25 AM	48.7	44.1
08:05 PM - 08:10 PM	53.7	48.2	10:45 PM - 10:50 PM	48.8	45.1	01:25 AM - 01:30 AM	50.0	43.1
08:10 PM - 08:15 PM	52.7	48.5	10:50 PM - 10:55 PM	50.0	45.6	01:30 AM - 01:35 AM	45.7	41.7
08:15 PM - 08:20 PM	52.3	47.7	10:55 PM - 11:00 PM	48.4	44.8	01:35 AM - 01:40 AM	47.2	41.2
08:20 PM - 08:25 PM	51.4	46.8	11:00 PM - 11:05 PM	50.5	46.4	01:40 AM - 01:45 AM	43.7	40.6
08:25 PM - 08:30 PM	51.0	47.3	11:05 PM - 11:10 PM	51.1	47.9	01:45 AM - 01:50 AM	45.2	40.3
08:30 PM - 08:35 PM	50.9	46.1	11:10 PM - 11:15 PM	52.9	47.8	01:50 AM - 01:55 AM	45.5	41.1
08:35 PM - 08:40 PM	53.0	46.1	11:15 PM - 11:20 PM	51.1	47.1	01:55 AM - 02:00 AM	46.5	40.1
08:40 PM - 08:45 PM	49.7	46.2	11:20 PM - 11:25 PM	49.2	45.2	02:00 AM - 02:05 AM	43.5	41.5
08:45 PM - 08:50 PM	49.7	45.8	11:25 PM - 11:30 PM	50.5	46.2	02:05 AM - 02:10 AM	46.4	40.7
08:50 PM - 08:55 PM	50.6	45.9	11:30 PM - 11:35 PM	49.8	46.7	02:10 AM - 02:15 AM	48.8	41.3
08:55 PM - 09:00 PM	50.5	45.8	11:35 PM - 11:40 PM	49.3	46.2	02:15 AM - 02:20 AM	57.7	41.7
09:00 PM - 09:05 PM	52.3	46.5	11:40 PM - 11:45 PM	49.8	45.6	02:20 AM - 02:25 AM	43.9	41.7
09:05 PM - 09:10 PM	50.1	46.1	11:45 PM - 11:50 PM	49.4	45.0	02:25 AM - 02:30 AM	53.1	41.6
09:10 PM - 09:15 PM	53.8	45.6	11:50 PM - 11:55 PM	49.7	45.1	02:30 AM - 02:35 AM	45.0	41.5
09:15 PM - 09:20 PM	49.5	46.0	11:55 PM - 12:00 AM	49.4	46.7	02:35 AM - 02:40 AM	43.5	40.8
09:20 PM - 09:25 PM	50.5	46.9	12:00 AM - 12:05 AM	49.3	46.3	02:40 AM - 02:45 AM	46.3	41.3
09:25 PM - 09:30 PM	58.6	47.2	12:05 AM - 12:10 AM	49.1	45.2	02:45 AM - 02:50 AM	43.3	40.2
09:30 PM - 09:35 PM	57.1	47.1	12:10 AM - 12:15 AM	49.5	45.3	02:50 AM - 02:55 AM	45.9	40.9
09:35 PM - 09:40 PM	52.2	46.6	12:15 AM - 12:20 AM	47.7	43.5	02:55 AM - 03:00 AM	46.3	40.3

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Assistant General Manager

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



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102373-1

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

Page 3 of 3

Sample Number 2485391-3
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโหนด (GPS 47P 0735038, 1405843)
Measurement Date Aug 28 - Aug 29, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 29, 2024			Aug 29, 2024			Aug 29, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	41.8	39.9	05:40 AM - 05:45 AM	52.7	46.4	08:20 AM - 08:25 AM	53.2	49.7
03:05 AM - 03:10 AM	46.6	41.0	05:45 AM - 05:50 AM	52.8	46.4	08:25 AM - 08:30 AM	51.7	48.8
03:10 AM - 03:15 AM	49.4	40.9	05:50 AM - 05:55 AM	53.5	47.8	08:30 AM - 08:35 AM	55.6	49.4
03:15 AM - 03:20 AM	46.1	40.9	05:55 AM - 06:00 AM	53.4	47.4	08:35 AM - 08:40 AM	52.3	49.3
03:20 AM - 03:25 AM	44.2	39.6	06:00 AM - 06:05 AM	55.3	47.8	08:40 AM - 08:45 AM	55.0	50.8
03:25 AM - 03:30 AM	53.6	39.8	06:05 AM - 06:10 AM	58.1	47.4	08:45 AM - 08:50 AM	58.8	55.7
03:30 AM - 03:35 AM	43.2	40.7	06:10 AM - 06:15 AM	54.8	47.9	08:50 AM - 08:55 AM	65.2	55.5
03:35 AM - 03:40 AM	42.8	39.9	06:15 AM - 06:20 AM	55.2	48.5	08:55 AM - 09:00 AM	67.8	61.5
03:40 AM - 03:45 AM	46.7	40.8	06:20 AM - 06:25 AM	53.5	48.0	09:00 AM - 09:05 AM	70.5	68.5
03:45 AM - 03:50 AM	44.0	40.5	06:25 AM - 06:30 AM	52.1	48.4	09:05 AM - 09:10 AM	67.3	62.6
03:50 AM - 03:55 AM	51.9	40.5	06:30 AM - 06:35 AM	52.9	47.9	09:10 AM - 09:15 AM	60.2	58.9
03:55 AM - 04:00 AM	47.7	40.3	06:35 AM - 06:40 AM	55.0	48.3	09:15 AM - 09:20 AM	58.7	57.9
04:00 AM - 04:05 AM	46.7	41.1	06:40 AM - 06:45 AM	57.4	49.0	09:20 AM - 09:25 AM	59.0	57.6
04:05 AM - 04:10 AM	46.9	40.9	06:45 AM - 06:50 AM	54.0	49.2	09:25 AM - 09:30 AM	59.2	57.6
04:10 AM - 04:15 AM	52.4	40.4	06:50 AM - 06:55 AM	54.6	49.2	09:30 AM - 09:35 AM	58.3	57.4
04:15 AM - 04:20 AM	44.4	40.8	06:55 AM - 07:00 AM	58.1	48.4	09:35 AM - 09:40 AM	58.2	57.2
04:20 AM - 04:25 AM	44.7	41.5	07:00 AM - 07:05 AM	54.5	49.7	09:40 AM - 09:45 AM	59.1	57.2
04:25 AM - 04:30 AM	45.8	41.3	07:05 AM - 07:10 AM	52.8	49.2	09:45 AM - 09:50 AM	57.8	56.8
04:30 AM - 04:35 AM	44.3	41.2	07:10 AM - 07:15 AM	54.9	50.0	09:50 AM - 09:55 AM	58.0	56.9
04:35 AM - 04:40 AM	46.7	42.3	07:15 AM - 07:20 AM	53.8	49.2	09:55 AM - 10:00 AM	57.7	56.9
04:40 AM - 04:45 AM	50.1	42.8	07:20 AM - 07:25 AM	55.5	49.3	10:00 AM - 10:05 AM	58.2	57.0
04:45 AM - 04:50 AM	49.0	42.6	07:25 AM - 07:30 AM	56.4	50.4	10:05 AM - 10:10 AM	58.6	57.1
04:50 AM - 04:55 AM	46.9	42.2	07:30 AM - 07:35 AM	54.4	49.5	10:10 AM - 10:15 AM	58.1	57.2
04:55 AM - 05:00 AM	46.2	42.9	07:35 AM - 07:40 AM	55.2	49.8	10:15 AM - 10:20 AM	58.6	57.7
05:00 AM - 05:05 AM	46.3	43.3	07:40 AM - 07:45 AM	53.2	48.1	10:20 AM - 10:25 AM	61.7	58.1
05:05 AM - 05:10 AM	48.8	43.7	07:45 AM - 07:50 AM	53.3	48.1	10:25 AM - 10:30 AM	60.2	58.7
05:10 AM - 05:15 AM	51.3	44.4	07:50 AM - 07:55 AM	55.0	48.0	10:30 AM - 10:35 AM	62.2	61.2
05:15 AM - 05:20 AM	48.2	44.2	07:55 AM - 08:00 AM	55.0	49.4	10:35 AM - 10:40 AM	60.5	59.7
05:20 AM - 05:25 AM	47.6	43.3	08:00 AM - 08:05 AM	51.8	47.8	10:40 AM - 10:45 AM	59.7	58.8
05:25 AM - 05:30 AM	48.6	44.3	08:05 AM - 08:10 AM	51.9	48.3	10:45 AM - 10:50 AM	59.2	58.0
05:30 AM - 05:35 AM	51.6	44.8	08:10 AM - 08:15 AM	51.9	48.5	10:50 AM - 10:55 AM	58.6	57.6
05:35 AM - 05:40 AM	51.3	45.9	08:15 AM - 08:20 AM	53.0	48.3	10:55 AM - 11:00 AM	58.5	57.6

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Sarayuth Jitranont
Assistant General Manager

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



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102374-1

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

Page 1 of 3

Sample Number : 2485391-4
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 29 - Aug 30, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00472126

Aug 29, 2024	Leq	L90	Aug 29, 2024	Leq	L90	Aug 29, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	58.5	54.7	01:40 PM - 01:45 PM	52.2	48.6	04:20 PM - 04:25 PM	55.0	52.0
11:05 AM - 11:10 AM	54.6	53.1	01:45 PM - 01:50 PM	52.5	48.4	04:25 PM - 04:30 PM	56.1	53.1
11:10 AM - 11:15 AM	54.0	52.2	01:50 PM - 01:55 PM	54.2	48.6	04:30 PM - 04:35 PM	56.0	54.6
11:15 AM - 11:20 AM	54.7	53.3	01:55 PM - 02:00 PM	54.5	49.4	04:35 PM - 04:40 PM	55.5	53.8
11:20 AM - 11:25 AM	55.4	54.2	02:00 PM - 02:05 PM	55.4	48.5	04:40 PM - 04:45 PM	54.8	51.6
11:25 AM - 11:30 AM	55.1	54.0	02:05 PM - 02:10 PM	53.8	47.5	04:45 PM - 04:50 PM	54.0	51.0
11:30 AM - 11:35 AM	56.0	54.9	02:10 PM - 02:15 PM	53.2	48.1	04:50 PM - 04:55 PM	55.2	50.0
11:35 AM - 11:40 AM	55.4	54.5	02:15 PM - 02:20 PM	53.2	48.4	04:55 PM - 05:00 PM	53.2	50.5
11:40 AM - 11:45 AM	56.7	53.1	02:20 PM - 02:25 PM	53.3	49.2	05:00 PM - 05:05 PM	54.3	50.6
11:45 AM - 11:50 AM	57.9	52.8	02:25 PM - 02:30 PM	51.9	48.4	05:05 PM - 05:10 PM	53.6	51.0
11:50 AM - 11:55 AM	56.9	52.7	02:30 PM - 02:35 PM	54.4	49.4	05:10 PM - 05:15 PM	55.0	51.4
11:55 AM - 12:00 PM	54.8	52.6	02:35 PM - 02:40 PM	53.4	49.2	05:15 PM - 05:20 PM	54.5	51.5
12:00 PM - 12:05 PM	58.4	57.4	02:40 PM - 02:45 PM	53.5	48.9	05:20 PM - 05:25 PM	56.2	51.9
12:05 PM - 12:10 PM	58.9	55.0	02:45 PM - 02:50 PM	57.9	48.3	05:25 PM - 05:30 PM	54.5	51.4
12:10 PM - 12:15 PM	57.1	54.4	02:50 PM - 02:55 PM	53.1	47.0	05:30 PM - 05:35 PM	54.8	51.3
12:15 PM - 12:20 PM	56.6	53.6	02:55 PM - 03:00 PM	52.0	47.6	05:35 PM - 05:40 PM	55.0	50.8
12:20 PM - 12:25 PM	55.3	50.5	03:00 PM - 03:05 PM	53.9	48.9	05:40 PM - 05:45 PM	53.7	50.3
12:25 PM - 12:30 PM	55.0	50.9	03:05 PM - 03:10 PM	54.2	49.8	05:45 PM - 05:50 PM	54.0	49.8
12:30 PM - 12:35 PM	53.9	52.0	03:10 PM - 03:15 PM	53.9	50.8	05:50 PM - 05:55 PM	52.5	49.9
12:35 PM - 12:40 PM	54.6	49.8	03:15 PM - 03:20 PM	54.1	51.2	05:55 PM - 06:00 PM	53.6	49.4
12:40 PM - 12:45 PM	52.7	49.6	03:20 PM - 03:25 PM	66.1	53.1	06:00 PM - 06:05 PM	54.3	49.7
12:45 PM - 12:50 PM	53.1	50.1	03:25 PM - 03:30 PM	57.3	52.6	06:05 PM - 06:10 PM	55.3	50.5
12:50 PM - 12:55 PM	52.7	49.8	03:30 PM - 03:35 PM	58.9	55.3	06:10 PM - 06:15 PM	55.1	50.3
12:55 PM - 01:00 PM	56.4	50.4	03:35 PM - 03:40 PM	55.0	53.1	06:15 PM - 06:20 PM	53.1	49.6
01:00 PM - 01:05 PM	56.7	49.7	03:40 PM - 03:45 PM	53.5	51.1	06:20 PM - 06:25 PM	53.3	50.1
01:05 PM - 01:10 PM	53.1	49.0	03:45 PM - 03:50 PM	53.2	51.2	06:25 PM - 06:30 PM	51.9	48.6
01:10 PM - 01:15 PM	54.1	50.1	03:50 PM - 03:55 PM	55.0	50.7	06:30 PM - 06:35 PM	52.5	49.5
01:15 PM - 01:20 PM	52.6	49.8	03:55 PM - 04:00 PM	54.5	48.5	06:35 PM - 06:40 PM	54.7	48.6
01:20 PM - 01:25 PM	53.5	50.6	04:00 PM - 04:05 PM	52.4	49.1	06:40 PM - 06:45 PM	52.1	48.4
01:25 PM - 01:30 PM	53.2	49.7	04:05 PM - 04:10 PM	54.7	49.7	06:45 PM - 06:50 PM	51.0	48.0
01:30 PM - 01:35 PM	54.1	49.4	04:10 PM - 04:15 PM	53.4	50.5	06:50 PM - 06:55 PM	50.8	46.4
01:35 PM - 01:40 PM	52.0	48.7	04:15 PM - 04:20 PM	56.0	53.5	06:55 PM - 07:00 PM	55.6	47.8

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Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102374-1

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

Page 2 of 3

Sample Number : 2485391-4
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 29 - Aug 30, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00472126

Aug 29, 2024	Leq	L90	Aug 29 - Aug 30, 2024	Leq	L90	Aug 30, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	53.5	47.4	09:40 PM - 09:45 PM	54.0	52.6	12:20 AM - 12:25 AM	50.2	47.6
07:05 PM - 07:10 PM	53.1	48.7	09:45 PM - 09:50 PM	53.4	52.4	12:25 AM - 12:30 AM	52.8	48.2
07:10 PM - 07:15 PM	51.3	47.9	09:50 PM - 09:55 PM	53.3	51.9	12:30 AM - 12:35 AM	49.9	47.4
07:15 PM - 07:20 PM	53.9	48.0	09:55 PM - 10:00 PM	49.3	46.7	12:35 AM - 12:40 AM	53.1	48.2
07:20 PM - 07:25 PM	54.0	47.3	10:00 PM - 10:05 PM	52.6	46.8	12:40 AM - 12:45 AM	50.4	47.8
07:25 PM - 07:30 PM	51.5	47.5	10:05 PM - 10:10 PM	52.8	51.6	12:45 AM - 12:50 AM	55.3	47.8
07:30 PM - 07:35 PM	52.4	47.5	10:10 PM - 10:15 PM	51.8	46.3	12:50 AM - 12:55 AM	48.9	47.4
07:35 PM - 07:40 PM	50.5	47.0	10:15 PM - 10:20 PM	52.9	50.6	12:55 AM - 01:00 AM	50.1	48.2
07:40 PM - 07:45 PM	55.8	46.7	10:20 PM - 10:25 PM	52.3	50.3	01:00 AM - 01:05 AM	49.2	47.4
07:45 PM - 07:50 PM	53.0	47.2	10:25 PM - 10:30 PM	52.4	47.1	01:05 AM - 01:10 AM	49.2	47.1
07:50 PM - 07:55 PM	50.8	47.3	10:30 PM - 10:35 PM	52.4	51.4	01:10 AM - 01:15 AM	49.3	47.4
07:55 PM - 08:00 PM	52.6	47.7	10:35 PM - 10:40 PM	53.6	50.3	01:15 AM - 01:20 AM	48.9	47.6
08:00 PM - 08:05 PM	52.2	48.0	10:40 PM - 10:45 PM	54.6	47.6	01:20 AM - 01:25 AM	48.2	47.1
08:05 PM - 08:10 PM	50.7	47.4	10:45 PM - 10:50 PM	54.2	50.3	01:25 AM - 01:30 AM	50.6	45.8
08:10 PM - 08:15 PM	53.7	48.3	10:50 PM - 10:55 PM	51.3	49.2	01:30 AM - 01:35 AM	48.0	46.1
08:15 PM - 08:20 PM	53.2	49.2	10:55 PM - 11:00 PM	52.7	49.5	01:35 AM - 01:40 AM	48.1	45.9
08:20 PM - 08:25 PM	54.5	48.7	11:00 PM - 11:05 PM	53.5	51.8	01:40 AM - 01:45 AM	49.8	47.5
08:25 PM - 08:30 PM	51.0	48.0	11:05 PM - 11:10 PM	53.3	52.0	01:45 AM - 01:50 AM	49.8	47.5
08:30 PM - 08:35 PM	50.7	47.6	11:10 PM - 11:15 PM	51.6	48.7	01:50 AM - 01:55 AM	50.4	49.0
08:35 PM - 08:40 PM	50.9	46.9	11:15 PM - 11:20 PM	53.2	51.8	01:55 AM - 02:00 AM	49.6	45.4
08:40 PM - 08:45 PM	51.9	46.7	11:20 PM - 11:25 PM	58.0	52.5	02:00 AM - 02:05 AM	49.0	46.4
08:45 PM - 08:50 PM	58.2	46.6	11:25 PM - 11:30 PM	53.6	52.4	02:05 AM - 02:10 AM	53.7	48.1
08:50 PM - 08:55 PM	50.2	46.7	11:30 PM - 11:35 PM	54.5	52.2	02:10 AM - 02:15 AM	49.6	48.1
08:55 PM - 09:00 PM	50.0	47.1	11:35 PM - 11:40 PM	54.6	52.6	02:15 AM - 02:20 AM	50.8	49.5
09:00 PM - 09:05 PM	51.0	47.3	11:40 PM - 11:45 PM	54.1	52.3	02:20 AM - 02:25 AM	53.9	49.0
09:05 PM - 09:10 PM	51.3	48.2	11:45 PM - 11:50 PM	54.1	52.7	02:25 AM - 02:30 AM	51.0	49.5
09:10 PM - 09:15 PM	51.3	47.2	11:50 PM - 11:55 PM	53.4	51.3	02:30 AM - 02:35 AM	51.6	48.9
09:15 PM - 09:20 PM	53.4	47.5	11:55 PM - 12:00 AM	51.1	48.7	02:35 AM - 02:40 AM	51.3	49.5
09:20 PM - 09:25 PM	51.6	48.2	12:00 AM - 12:05 AM	51.0	48.6	02:40 AM - 02:45 AM	50.8	49.5
09:25 PM - 09:30 PM	53.1	47.8	12:05 AM - 12:10 AM	53.5	46.7	02:45 AM - 02:50 AM	54.2	48.6
09:30 PM - 09:35 PM	53.3	48.7	12:10 AM - 12:15 AM	50.3	46.8	02:50 AM - 02:55 AM	52.3	49.4
09:35 PM - 09:40 PM	53.4	47.9	12:15 AM - 12:20 AM	52.0	47.5	02:55 AM - 03:00 AM	52.0	49.9

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Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102374-1

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

Page 3 of 3

Sample Number 2485391-4
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Aug 29 - Aug 30, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 30, 2024			Aug 30, 2024			Aug 30, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	50.5	49.6	05:40 AM - 05:45 AM	52.5	47.0	08:20 AM - 08:25 AM	53.5	48.6
03:05 AM - 03:10 AM	50.8	49.6	05:45 AM - 05:50 AM	52.6	46.1	08:25 AM - 08:30 AM	54.3	48.7
03:10 AM - 03:15 AM	51.4	47.6	05:50 AM - 05:55 AM	52.9	46.5	08:30 AM - 08:35 AM	51.0	46.8
03:15 AM - 03:20 AM	51.9	47.0	05:55 AM - 06:00 AM	53.7	47.3	08:35 AM - 08:40 AM	53.0	47.8
03:20 AM - 03:25 AM	51.2	47.5	06:00 AM - 06:05 AM	53.7	47.6	08:40 AM - 08:45 AM	53.6	47.7
03:25 AM - 03:30 AM	51.1	49.5	06:05 AM - 06:10 AM	56.1	46.8	08:45 AM - 08:50 AM	52.2	46.8
03:30 AM - 03:35 AM	50.9	47.5	06:10 AM - 06:15 AM	57.7	47.9	08:50 AM - 08:55 AM	52.1	49.2
03:35 AM - 03:40 AM	50.7	49.3	06:15 AM - 06:20 AM	57.8	47.9	08:55 AM - 09:00 AM	52.8	49.3
03:40 AM - 03:45 AM	50.6	49.1	06:20 AM - 06:25 AM	53.2	48.1	09:00 AM - 09:05 AM	50.7	47.1
03:45 AM - 03:50 AM	50.5	49.0	06:25 AM - 06:30 AM	52.7	48.0	09:05 AM - 09:10 AM	52.9	48.1
03:50 AM - 03:55 AM	52.9	49.2	06:30 AM - 06:35 AM	53.2	48.3	09:10 AM - 09:15 AM	53.6	47.2
03:55 AM - 04:00 AM	53.2	50.1	06:35 AM - 06:40 AM	60.2	48.8	09:15 AM - 09:20 AM	67.8	50.1
04:00 AM - 04:05 AM	51.2	47.3	06:40 AM - 06:45 AM	53.2	48.5	09:20 AM - 09:25 AM	51.4	47.4
04:05 AM - 04:10 AM	51.5	48.8	06:45 AM - 06:50 AM	55.7	49.2	09:25 AM - 09:30 AM	50.5	47.8
04:10 AM - 04:15 AM	51.0	49.1	06:50 AM - 06:55 AM	56.1	50.3	09:30 AM - 09:35 AM	51.8	48.6
04:15 AM - 04:20 AM	51.5	50.1	06:55 AM - 07:00 AM	56.3	48.5	09:35 AM - 09:40 AM	51.1	47.5
04:20 AM - 04:25 AM	52.0	50.3	07:00 AM - 07:05 AM	53.5	48.8	09:40 AM - 09:45 AM	51.3	46.2
04:25 AM - 04:30 AM	51.4	47.3	07:05 AM - 07:10 AM	54.5	49.8	09:45 AM - 09:50 AM	51.1	47.6
04:30 AM - 04:35 AM	51.2	46.9	07:10 AM - 07:15 AM	54.9	49.6	09:50 AM - 09:55 AM	50.0	45.8
04:35 AM - 04:40 AM	50.6	48.0	07:15 AM - 07:20 AM	53.4	48.6	09:55 AM - 10:00 AM	52.3	46.7
04:40 AM - 04:45 AM	50.8	47.9	07:20 AM - 07:25 AM	55.5	50.2	10:00 AM - 10:05 AM	52.2	45.8
04:45 AM - 04:50 AM	52.5	47.9	07:25 AM - 07:30 AM	54.8	48.4	10:05 AM - 10:10 AM	50.1	46.0
04:50 AM - 04:55 AM	51.3	49.0	07:30 AM - 07:35 AM	53.7	49.7	10:10 AM - 10:15 AM	51.8	45.8
04:55 AM - 05:00 AM	50.3	48.5	07:35 AM - 07:40 AM	53.4	49.1	10:15 AM - 10:20 AM	51.4	45.9
05:00 AM - 05:05 AM	52.0	47.7	07:40 AM - 07:45 AM	54.1	49.1	10:20 AM - 10:25 AM	50.4	44.5
05:05 AM - 05:10 AM	51.4	46.5	07:45 AM - 07:50 AM	53.3	49.3	10:25 AM - 10:30 AM	51.8	46.0
05:10 AM - 05:15 AM	50.8	47.8	07:50 AM - 07:55 AM	56.2	49.2	10:30 AM - 10:35 AM	49.3	44.9
05:15 AM - 05:20 AM	51.0	46.8	07:55 AM - 08:00 AM	53.4	48.9	10:35 AM - 10:40 AM	49.5	46.0
05:20 AM - 05:25 AM	51.6	48.2	08:00 AM - 08:05 AM	54.8	48.6	10:40 AM - 10:45 AM	50.3	46.4
05:25 AM - 05:30 AM	50.4	46.8	08:05 AM - 08:10 AM	52.1	48.1	10:45 AM - 10:50 AM	49.5	45.3
05:30 AM - 05:35 AM	51.4	47.1	08:10 AM - 08:15 AM	52.1	48.4	10:50 AM - 10:55 AM	51.2	45.9
05:35 AM - 05:40 AM	52.3	47.7	08:15 AM - 08:20 AM	53.2	48.8	10:55 AM - 11:00 AM	51.1	46.1

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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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102375-1

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

Page 1 of 3

Sample Number 2485391-5
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Aug 30 - Aug 31, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Aug 30, 2024			Aug 30, 2024			Aug 30, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	49.9	46.2	01:40 PM - 01:45 PM	51.3	47.6	04:20 PM - 04:25 PM	52.7	49.0
11:05 AM - 11:10 AM	50.5	46.2	01:45 PM - 01:50 PM	51.2	46.6	04:25 PM - 04:30 PM	53.6	49.0
11:10 AM - 11:15 AM	51.2	45.1	01:50 PM - 01:55 PM	50.6	47.5	04:30 PM - 04:35 PM	53.0	47.6
11:15 AM - 11:20 AM	52.1	46.3	01:55 PM - 02:00 PM	50.8	47.0	04:35 PM - 04:40 PM	54.8	51.3
11:20 AM - 11:25 AM	49.8	45.8	02:00 PM - 02:05 PM	51.2	47.9	04:40 PM - 04:45 PM	54.9	49.9
11:25 AM - 11:30 AM	51.2	46.7	02:05 PM - 02:10 PM	52.5	49.0	04:45 PM - 04:50 PM	55.8	51.1
11:30 AM - 11:35 AM	51.6	47.8	02:10 PM - 02:15 PM	52.2	48.7	04:50 PM - 04:55 PM	54.3	50.6
11:35 AM - 11:40 AM	49.3	46.0	02:15 PM - 02:20 PM	51.1	47.2	04:55 PM - 05:00 PM	52.7	48.8
11:40 AM - 11:45 AM	50.4	46.7	02:20 PM - 02:25 PM	52.4	47.7	05:00 PM - 05:05 PM	53.6	49.8
11:45 AM - 11:50 AM	52.4	47.1	02:25 PM - 02:30 PM	52.8	48.8	05:05 PM - 05:10 PM	54.6	50.2
11:50 AM - 11:55 AM	55.8	46.4	02:30 PM - 02:35 PM	53.4	48.8	05:10 PM - 05:15 PM	54.2	48.9
11:55 AM - 12:00 PM	50.3	46.9	02:35 PM - 02:40 PM	51.0	47.7	05:15 PM - 05:20 PM	52.2	48.5
12:00 PM - 12:05 PM	51.7	47.3	02:40 PM - 02:45 PM	52.9	49.1	05:20 PM - 05:25 PM	52.9	48.7
12:05 PM - 12:10 PM	53.4	49.5	02:45 PM - 02:50 PM	51.5	47.6	05:25 PM - 05:30 PM	53.1	48.7
12:10 PM - 12:15 PM	53.8	49.5	02:50 PM - 02:55 PM	50.5	46.2	05:30 PM - 05:35 PM	52.7	47.7
12:15 PM - 12:20 PM	52.9	48.6	02:55 PM - 03:00 PM	54.6	48.2	05:35 PM - 05:40 PM	52.5	48.4
12:20 PM - 12:25 PM	52.1	47.2	03:00 PM - 03:05 PM	55.9	47.3	05:40 PM - 05:45 PM	52.4	48.8
12:25 PM - 12:30 PM	50.3	45.6	03:05 PM - 03:10 PM	49.9	45.6	05:45 PM - 05:50 PM	54.0	49.3
12:30 PM - 12:35 PM	51.3	46.3	03:10 PM - 03:15 PM	51.9	45.9	05:50 PM - 05:55 PM	55.0	49.1
12:35 PM - 12:40 PM	50.6	46.5	03:15 PM - 03:20 PM	52.4	46.8	05:55 PM - 06:00 PM	51.9	48.7
12:40 PM - 12:45 PM	54.6	46.7	03:20 PM - 03:25 PM	50.5	46.5	06:00 PM - 06:05 PM	53.8	49.2
12:45 PM - 12:50 PM	52.9	48.4	03:25 PM - 03:30 PM	58.3	51.4	06:05 PM - 06:10 PM	54.7	48.8
12:50 PM - 12:55 PM	54.5	47.4	03:30 PM - 03:35 PM	71.4	64.9	06:10 PM - 06:15 PM	53.9	47.9
12:55 PM - 01:00 PM	52.3	46.2	03:35 PM - 03:40 PM	54.3	50.4	06:15 PM - 06:20 PM	54.4	48.8
01:00 PM - 01:05 PM	51.0	47.6	03:40 PM - 03:45 PM	56.4	51.3	06:20 PM - 06:25 PM	52.4	49.0
01:05 PM - 01:10 PM	51.4	47.5	03:45 PM - 03:50 PM	56.8	54.7	06:25 PM - 06:30 PM	54.7	48.3
01:10 PM - 01:15 PM	53.0	48.2	03:50 PM - 03:55 PM	53.0	48.9	06:30 PM - 06:35 PM	51.9	47.1
01:15 PM - 01:20 PM	52.4	48.2	03:55 PM - 04:00 PM	53.1	48.8	06:35 PM - 06:40 PM	51.8	47.8
01:20 PM - 01:25 PM	51.0	47.3	04:00 PM - 04:05 PM	52.8	48.6	06:40 PM - 06:45 PM	53.0	48.6
01:25 PM - 01:30 PM	51.0	46.2	04:05 PM - 04:10 PM	53.8	48.6	06:45 PM - 06:50 PM	54.3	47.4
01:30 PM - 01:35 PM	50.9	47.5	04:10 PM - 04:15 PM	55.5	49.1	06:50 PM - 06:55 PM	51.6	47.6
01:35 PM - 01:40 PM	51.3	47.6	04:15 PM - 04:20 PM	53.3	49.0	06:55 PM - 07:00 PM	52.1	48.2

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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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102375-1

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

Page 2 of 3

Sample Number : 2485391-5
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 30 - Aug 31, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00472126

Aug 30, 2024			Aug 30 - Aug 31, 2024			Aug 31, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	50.4	46.8	09:40 PM - 09:45 PM	51.8	45.7	12:20 AM - 12:25 AM	50.4	44.6
07:05 PM - 07:10 PM	53.7	48.9	09:45 PM - 09:50 PM	51.2	45.3	12:25 AM - 12:30 AM	47.9	43.4
07:10 PM - 07:15 PM	53.7	48.5	09:50 PM - 09:55 PM	60.2	45.1	12:30 AM - 12:35 AM	47.3	43.5
07:15 PM - 07:20 PM	57.6	47.8	09:55 PM - 10:00 PM	50.7	46.1	12:35 AM - 12:40 AM	53.0	42.9
07:20 PM - 07:25 PM	54.2	48.1	10:00 PM - 10:05 PM	52.6	47.4	12:40 AM - 12:45 AM	51.0	43.8
07:25 PM - 07:30 PM	53.4	47.9	10:05 PM - 10:10 PM	57.0	47.5	12:45 AM - 12:50 AM	52.2	43.1
07:30 PM - 07:35 PM	51.8	47.3	10:10 PM - 10:15 PM	51.5	47.5	12:50 AM - 12:55 AM	48.4	44.0
07:35 PM - 07:40 PM	53.6	47.0	10:15 PM - 10:20 PM	52.0	46.4	12:55 AM - 01:00 AM	48.0	44.2
07:40 PM - 07:45 PM	53.0	46.7	10:20 PM - 10:25 PM	50.1	46.4	01:00 AM - 01:05 AM	46.0	43.5
07:45 PM - 07:50 PM	54.6	46.8	10:25 PM - 10:30 PM	51.8	46.3	01:05 AM - 01:10 AM	46.9	44.2
07:50 PM - 07:55 PM	53.8	45.8	10:30 PM - 10:35 PM	49.5	46.6	01:10 AM - 01:15 AM	49.3	44.3
07:55 PM - 08:00 PM	50.6	45.5	10:35 PM - 10:40 PM	56.5	47.1	01:15 AM - 01:20 AM	48.3	44.6
08:00 PM - 08:05 PM	52.5	46.5	10:40 PM - 10:45 PM	49.2	46.1	01:20 AM - 01:25 AM	47.2	43.9
08:05 PM - 08:10 PM	52.7	46.0	10:45 PM - 10:50 PM	51.3	46.7	01:25 AM - 01:30 AM	47.2	43.4
08:10 PM - 08:15 PM	51.4	47.2	10:50 PM - 10:55 PM	53.6	47.9	01:30 AM - 01:35 AM	48.8	42.6
08:15 PM - 08:20 PM	51.6	46.3	10:55 PM - 11:00 PM	50.9	47.0	01:35 AM - 01:40 AM	47.9	42.9
08:20 PM - 08:25 PM	54.4	46.6	11:00 PM - 11:05 PM	49.0	45.9	01:40 AM - 01:45 AM	49.6	43.1
08:25 PM - 08:30 PM	52.1	46.6	11:05 PM - 11:10 PM	48.3	45.3	01:45 AM - 01:50 AM	48.4	43.3
08:30 PM - 08:35 PM	51.7	47.1	11:10 PM - 11:15 PM	53.5	46.0	01:50 AM - 01:55 AM	45.0	42.7
08:35 PM - 08:40 PM	51.2	48.0	11:15 PM - 11:20 PM	54.1	46.5	01:55 AM - 02:00 AM	48.9	43.1
08:40 PM - 08:45 PM	55.8	47.3	11:20 PM - 11:25 PM	50.5	46.3	02:00 AM - 02:05 AM	45.6	43.4
08:45 PM - 08:50 PM	51.1	46.9	11:25 PM - 11:30 PM	48.4	46.0	02:05 AM - 02:10 AM	46.0	42.9
08:50 PM - 08:55 PM	54.7	48.0	11:30 PM - 11:35 PM	49.8	45.2	02:10 AM - 02:15 AM	47.2	42.3
08:55 PM - 09:00 PM	53.8	47.2	11:35 PM - 11:40 PM	59.0	47.1	02:15 AM - 02:20 AM	49.8	42.6
09:00 PM - 09:05 PM	55.1	45.4	11:40 PM - 11:45 PM	49.1	45.4	02:20 AM - 02:25 AM	46.6	42.6
09:05 PM - 09:10 PM	55.9	46.6	11:45 PM - 11:50 PM	50.4	46.0	02:25 AM - 02:30 AM	47.1	43.2
09:10 PM - 09:15 PM	52.4	46.3	11:50 PM - 11:55 PM	50.6	46.2	02:30 AM - 02:35 AM	44.3	42.4
09:15 PM - 09:20 PM	51.4	46.5	11:55 PM - 12:00 AM	49.6	46.2	02:35 AM - 02:40 AM	50.0	42.8
09:20 PM - 09:25 PM	50.9	45.6	12:00 AM - 12:05 AM	49.7	45.6	02:40 AM - 02:45 AM	48.3	43.6
09:25 PM - 09:30 PM	51.9	46.5	12:05 AM - 12:10 AM	48.9	45.5	02:45 AM - 02:50 AM	48.7	43.2
09:30 PM - 09:35 PM	51.1	45.0	12:10 AM - 12:15 AM	48.8	45.2	02:50 AM - 02:55 AM	50.9	43.2
09:35 PM - 09:40 PM	49.6	45.5	12:15 AM - 12:20 AM	48.1	44.9	02:55 AM - 03:00 AM	45.9	43.7

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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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102375-1

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

Page 3 of 3

Sample Number : 2485391-5
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 30 - Aug 31, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00472126

Aug 31, 2024			Aug 31, 2024			Aug 31, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	49.1	44.5	05:40 AM - 05:45 AM	51.0	46.3	08:20 AM - 08:25 AM	51.3	46.9
03:05 AM - 03:10 AM	46.1	43.7	05:45 AM - 05:50 AM	51.1	45.8	08:25 AM - 08:30 AM	53.9	47.1
03:10 AM - 03:15 AM	46.4	44.4	05:50 AM - 05:55 AM	53.1	47.8	08:30 AM - 08:35 AM	53.4	46.3
03:15 AM - 03:20 AM	50.9	44.2	05:55 AM - 06:00 AM	53.3	47.6	08:35 AM - 08:40 AM	53.7	47.1
03:20 AM - 03:25 AM	47.0	43.8	06:00 AM - 06:05 AM	53.2	47.8	08:40 AM - 08:45 AM	54.5	46.3
03:25 AM - 03:30 AM	47.9	44.6	06:05 AM - 06:10 AM	52.9	47.5	08:45 AM - 08:50 AM	54.3	48.1
03:30 AM - 03:35 AM	46.5	44.5	06:10 AM - 06:15 AM	56.8	47.9	08:50 AM - 08:55 AM	53.4	47.6
03:35 AM - 03:40 AM	49.0	44.9	06:15 AM - 06:20 AM	60.7	49.3	08:55 AM - 09:00 AM	52.8	47.0
03:40 AM - 03:45 AM	48.8	45.5	06:20 AM - 06:25 AM	63.1	48.9	09:00 AM - 09:05 AM	50.7	46.7
03:45 AM - 03:50 AM	47.4	45.0	06:25 AM - 06:30 AM	55.7	49.5	09:05 AM - 09:10 AM	52.2	46.3
03:50 AM - 03:55 AM	48.8	44.1	06:30 AM - 06:35 AM	54.4	49.9	09:10 AM - 09:15 AM	51.8	45.5
03:55 AM - 04:00 AM	50.1	45.5	06:35 AM - 06:40 AM	57.6	49.3	09:15 AM - 09:20 AM	51.0	45.1
04:00 AM - 04:05 AM	49.4	44.7	06:40 AM - 06:45 AM	52.1	48.4	09:20 AM - 09:25 AM	49.7	44.5
04:05 AM - 04:10 AM	50.5	46.1	06:45 AM - 06:50 AM	55.1	49.6	09:25 AM - 09:30 AM	49.8	44.8
04:10 AM - 04:15 AM	49.5	47.0	06:50 AM - 06:55 AM	54.7	49.0	09:30 AM - 09:35 AM	49.5	45.4
04:15 AM - 04:20 AM	49.5	47.6	06:55 AM - 07:00 AM	55.4	48.9	09:35 AM - 09:40 AM	48.9	46.0
04:20 AM - 04:25 AM	47.3	44.4	07:00 AM - 07:05 AM	53.3	47.9	09:40 AM - 09:45 AM	50.2	45.7
04:25 AM - 04:30 AM	49.4	47.9	07:05 AM - 07:10 AM	55.8	48.4	09:45 AM - 09:50 AM	48.2	44.9
04:30 AM - 04:35 AM	49.9	47.0	07:10 AM - 07:15 AM	54.5	49.1	09:50 AM - 09:55 AM	49.5	45.1
04:35 AM - 04:40 AM	53.4	47.6	07:15 AM - 07:20 AM	55.6	48.0	09:55 AM - 10:00 AM	49.2	45.8
04:40 AM - 04:45 AM	51.9	47.2	07:20 AM - 07:25 AM	56.4	49.2	10:00 AM - 10:05 AM	49.2	46.1
04:45 AM - 04:50 AM	50.0	46.4	07:25 AM - 07:30 AM	55.1	48.3	10:05 AM - 10:10 AM	50.8	47.0
04:50 AM - 04:55 AM	51.7	46.1	07:30 AM - 07:35 AM	54.0	50.1	10:10 AM - 10:15 AM	51.3	46.4
04:55 AM - 05:00 AM	51.6	46.4	07:35 AM - 07:40 AM	52.9	48.2	10:15 AM - 10:20 AM	52.2	46.8
05:00 AM - 05:05 AM	50.0	45.8	07:40 AM - 07:45 AM	52.1	48.6	10:20 AM - 10:25 AM	51.9	45.4
05:05 AM - 05:10 AM	49.8	46.4	07:45 AM - 07:50 AM	54.5	48.0	10:25 AM - 10:30 AM	50.8	45.6
05:10 AM - 05:15 AM	50.0	46.5	07:50 AM - 07:55 AM	54.8	48.7	10:30 AM - 10:35 AM	50.1	46.2
05:15 AM - 05:20 AM	50.2	46.5	07:55 AM - 08:00 AM	53.4	47.9	10:35 AM - 10:40 AM	50.6	45.9
05:20 AM - 05:25 AM	53.5	47.3	08:00 AM - 08:05 AM	52.1	47.9	10:40 AM - 10:45 AM	50.2	46.8
05:25 AM - 05:30 AM	51.9	46.9	08:05 AM - 08:10 AM	51.9	47.8	10:45 AM - 10:50 AM	49.7	44.5
05:30 AM - 05:35 AM	49.3	44.9	08:10 AM - 08:15 AM	51.7	47.9	10:50 AM - 10:55 AM	48.8	44.7
05:35 AM - 05:40 AM	51.4	45.0	08:15 AM - 08:20 AM	53.6	47.7	10:55 AM - 11:00 AM	49.7	44.0

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Assistant General Manager

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



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102376-1

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

Page 1 of 3

Sample Number : 2485391-6
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโหนด (GPS 47P 0735038, 1405843)
Measurement Date : Aug 31 - Sep 01, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00472126

Aug 31, 2024			Aug 31, 2024			Aug 31, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	49.1	43.8	01:40 PM - 01:45 PM	48.2	43.3	04:20 PM - 04:25 PM	49.8	45.0
11:05 AM - 11:10 AM	47.9	43.1	01:45 PM - 01:50 PM	50.7	45.3	04:25 PM - 04:30 PM	52.2	46.3
11:10 AM - 11:15 AM	50.1	44.6	01:50 PM - 01:55 PM	47.6	44.9	04:30 PM - 04:35 PM	49.6	45.2
11:15 AM - 11:20 AM	49.5	44.7	01:55 PM - 02:00 PM	52.0	47.4	04:35 PM - 04:40 PM	52.3	47.5
11:20 AM - 11:25 AM	52.2	43.7	02:00 PM - 02:05 PM	50.1	45.3	04:40 PM - 04:45 PM	52.2	48.4
11:25 AM - 11:30 AM	48.5	43.1	02:05 PM - 02:10 PM	48.8	44.3	04:45 PM - 04:50 PM	53.3	49.1
11:30 AM - 11:35 AM	48.8	42.9	02:10 PM - 02:15 PM	53.0	46.0	04:50 PM - 04:55 PM	53.1	48.3
11:35 AM - 11:40 AM	52.4	45.5	02:15 PM - 02:20 PM	50.0	45.7	04:55 PM - 05:00 PM	51.4	47.7
11:40 AM - 11:45 AM	50.2	45.6	02:20 PM - 02:25 PM	51.0	45.8	05:00 PM - 05:05 PM	52.1	48.6
11:45 AM - 11:50 AM	50.5	46.3	02:25 PM - 02:30 PM	51.2	46.3	05:05 PM - 05:10 PM	53.0	49.3
11:50 AM - 11:55 AM	52.6	46.1	02:30 PM - 02:35 PM	49.9	45.5	05:10 PM - 05:15 PM	52.0	48.1
11:55 AM - 12:00 PM	53.0	45.8	02:35 PM - 02:40 PM	49.5	45.7	05:15 PM - 05:20 PM	52.7	48.6
12:00 PM - 12:05 PM	52.4	45.5	02:40 PM - 02:45 PM	50.4	45.7	05:20 PM - 05:25 PM	51.5	48.1
12:05 PM - 12:10 PM	51.4	44.5	02:45 PM - 02:50 PM	50.4	45.7	05:25 PM - 05:30 PM	53.1	49.3
12:10 PM - 12:15 PM	53.3	45.2	02:50 PM - 02:55 PM	50.7	46.2	05:30 PM - 05:35 PM	52.8	49.5
12:15 PM - 12:20 PM	50.1	44.7	02:55 PM - 03:00 PM	50.0	45.3	05:35 PM - 05:40 PM	52.1	48.6
12:20 PM - 12:25 PM	52.1	44.3	03:00 PM - 03:05 PM	49.3	45.4	05:40 PM - 05:45 PM	51.8	47.7
12:25 PM - 12:30 PM	52.1	45.9	03:05 PM - 03:10 PM	49.3	45.2	05:45 PM - 05:50 PM	54.2	48.0
12:30 PM - 12:35 PM	52.5	44.8	03:10 PM - 03:15 PM	50.5	46.0	05:50 PM - 05:55 PM	51.2	47.7
12:35 PM - 12:40 PM	51.1	44.6	03:15 PM - 03:20 PM	49.3	45.5	05:55 PM - 06:00 PM	52.6	48.2
12:40 PM - 12:45 PM	50.1	44.7	03:20 PM - 03:25 PM	51.8	46.9	06:00 PM - 06:05 PM	51.2	47.9
12:45 PM - 12:50 PM	51.5	45.5	03:25 PM - 03:30 PM	52.1	46.9	06:05 PM - 06:10 PM	52.6	47.7
12:50 PM - 12:55 PM	50.4	45.6	03:30 PM - 03:35 PM	49.5	45.2	06:10 PM - 06:15 PM	52.4	48.6
12:55 PM - 01:00 PM	50.5	44.6	03:35 PM - 03:40 PM	50.1	45.5	06:15 PM - 06:20 PM	52.4	48.8
01:00 PM - 01:05 PM	49.6	44.7	03:40 PM - 03:45 PM	52.2	46.7	06:20 PM - 06:25 PM	52.4	48.4
01:05 PM - 01:10 PM	49.6	45.9	03:45 PM - 03:50 PM	51.2	46.6	06:25 PM - 06:30 PM	53.6	48.8
01:10 PM - 01:15 PM	49.6	44.0	03:50 PM - 03:55 PM	52.2	46.9	06:30 PM - 06:35 PM	51.6	48.9
01:15 PM - 01:20 PM	48.9	45.0	03:55 PM - 04:00 PM	50.9	45.7	06:35 PM - 06:40 PM	56.9	49.9
01:20 PM - 01:25 PM	48.3	43.5	04:00 PM - 04:05 PM	49.0	44.8	06:40 PM - 06:45 PM	56.7	51.6
01:25 PM - 01:30 PM	52.7	44.8	04:05 PM - 04:10 PM	53.6	46.2	06:45 PM - 06:50 PM	55.1	51.8
01:30 PM - 01:35 PM	47.7	44.0	04:10 PM - 04:15 PM	50.9	46.0	06:50 PM - 06:55 PM	58.3	53.4
01:35 PM - 01:40 PM	48.8	44.4	04:15 PM - 04:20 PM	50.2	46.6	06:55 PM - 07:00 PM	57.5	52.7

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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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102376-1

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

Page 2 of 3

Sample Number : 2485391-6
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโหนด (GPS 47P 0735038, 1405843)
Measurement Date : Aug 31 - Sep 01, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00472126

Aug 31, 2024			Aug 31 - Sep 01, 2024			Sep 01, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	57.5	52.2	09:40 PM - 09:45 PM	51.5	47.9	12:20 AM - 12:25 AM	47.9	43.6
07:05 PM - 07:10 PM	52.9	49.4	09:45 PM - 09:50 PM	52.0	48.6	12:25 AM - 12:30 AM	52.8	44.5
07:10 PM - 07:15 PM	53.5	49.7	09:50 PM - 09:55 PM	50.8	46.5	12:30 AM - 12:35 AM	50.0	44.3
07:15 PM - 07:20 PM	53.8	48.5	09:55 PM - 10:00 PM	51.7	46.3	12:35 AM - 12:40 AM	49.5	43.7
07:20 PM - 07:25 PM	53.6	48.8	10:00 PM - 10:05 PM	50.7	47.0	12:40 AM - 12:45 AM	49.2	44.6
07:25 PM - 07:30 PM	54.2	47.3	10:05 PM - 10:10 PM	51.1	46.7	12:45 AM - 12:50 AM	49.5	44.9
07:30 PM - 07:35 PM	53.5	47.0	10:10 PM - 10:15 PM	51.8	47.6	12:50 AM - 12:55 AM	49.6	44.8
07:35 PM - 07:40 PM	53.6	47.8	10:15 PM - 10:20 PM	54.7	48.0	12:55 AM - 01:00 AM	50.5	46.8
07:40 PM - 07:45 PM	53.6	47.9	10:20 PM - 10:25 PM	52.1	47.3	01:00 AM - 01:05 AM	49.1	45.6
07:45 PM - 07:50 PM	51.0	47.3	10:25 PM - 10:30 PM	52.7	47.1	01:05 AM - 01:10 AM	51.0	46.3
07:50 PM - 07:55 PM	51.9	47.9	10:30 PM - 10:35 PM	54.9	47.7	01:10 AM - 01:15 AM	48.4	44.6
07:55 PM - 08:00 PM	52.2	48.6	10:35 PM - 10:40 PM	49.2	46.9	01:15 AM - 01:20 AM	47.7	45.3
08:00 PM - 08:05 PM	55.6	48.7	10:40 PM - 10:45 PM	58.2	47.1	01:20 AM - 01:25 AM	50.7	44.7
08:05 PM - 08:10 PM	51.0	47.0	10:45 PM - 10:50 PM	49.4	46.2	01:25 AM - 01:30 AM	46.8	44.1
08:10 PM - 08:15 PM	50.7	47.3	10:50 PM - 10:55 PM	51.0	46.7	01:30 AM - 01:35 AM	50.9	45.2
08:15 PM - 08:20 PM	52.9	48.5	10:55 PM - 11:00 PM	49.3	46.3	01:35 AM - 01:40 AM	49.0	44.3
08:20 PM - 08:25 PM	51.2	48.4	11:00 PM - 11:05 PM	50.9	45.8	01:40 AM - 01:45 AM	47.5	44.4
08:25 PM - 08:30 PM	50.3	47.0	11:05 PM - 11:10 PM	50.0	46.1	01:45 AM - 01:50 AM	48.9	44.3
08:30 PM - 08:35 PM	53.7	47.4	11:10 PM - 11:15 PM	49.0	45.4	01:50 AM - 01:55 AM	47.5	45.1
08:35 PM - 08:40 PM	49.9	46.9	11:15 PM - 11:20 PM	49.7	45.8	01:55 AM - 02:00 AM	51.5	45.9
08:40 PM - 08:45 PM	52.6	47.9	11:20 PM - 11:25 PM	51.4	47.1	02:00 AM - 02:05 AM	48.7	45.8
08:45 PM - 08:50 PM	54.8	47.1	11:25 PM - 11:30 PM	49.8	45.7	02:05 AM - 02:10 AM	48.0	45.5
08:50 PM - 08:55 PM	51.9	46.7	11:30 PM - 11:35 PM	51.0	45.0	02:10 AM - 02:15 AM	55.7	44.5
08:55 PM - 09:00 PM	53.9	47.1	11:35 PM - 11:40 PM	54.9	45.5	02:15 AM - 02:20 AM	47.4	44.9
09:00 PM - 09:05 PM	55.7	46.3	11:40 PM - 11:45 PM	50.6	45.0	02:20 AM - 02:25 AM	48.3	45.7
09:05 PM - 09:10 PM	56.2	46.4	11:45 PM - 11:50 PM	57.9	45.5	02:25 AM - 02:30 AM	48.3	46.1
09:10 PM - 09:15 PM	51.4	47.3	11:50 PM - 11:55 PM	50.5	44.0	02:30 AM - 02:35 AM	47.3	44.9
09:15 PM - 09:20 PM	49.4	46.9	11:55 PM - 12:00 AM	53.1	44.1	02:35 AM - 02:40 AM	47.7	45.7
09:20 PM - 09:25 PM	55.6	46.6	12:00 AM - 12:05 AM	60.5	44.7	02:40 AM - 02:45 AM	51.4	44.0
09:25 PM - 09:30 PM	51.9	47.6	12:05 AM - 12:10 AM	60.0	45.2	02:45 AM - 02:50 AM	46.6	43.9
09:30 PM - 09:35 PM	51.3	48.6	12:10 AM - 12:15 AM	56.6	44.1	02:50 AM - 02:55 AM	46.5	44.2
09:35 PM - 09:40 PM	50.6	47.5	12:15 AM - 12:20 AM	51.5	44.9	02:55 AM - 03:00 AM	47.6	44.1

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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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102376-1

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

Page 3 of 3

Sample Number : 2485391-6
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Aug 31 - Sep 01, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00472126

Sep 01, 2024	Leq	L90	Sep 01, 2024	Leq	L90	Sep 01, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
03:00 AM - 03:05 AM	49.2	43.1	05:40 AM - 05:45 AM	51.4	46.1	08:20 AM - 08:25 AM	50.1	45.7
03:05 AM - 03:10 AM	49.6	43.4	05:45 AM - 05:50 AM	51.9	46.0	08:25 AM - 08:30 AM	50.5	45.6
03:10 AM - 03:15 AM	49.1	43.6	05:50 AM - 05:55 AM	53.9	47.1	08:30 AM - 08:35 AM	49.0	44.6
03:15 AM - 03:20 AM	45.5	43.2	05:55 AM - 06:00 AM	53.2	46.5	08:35 AM - 08:40 AM	49.8	44.5
03:20 AM - 03:25 AM	48.2	43.6	06:00 AM - 06:05 AM	54.1	47.1	08:40 AM - 08:45 AM	50.1	45.5
03:25 AM - 03:30 AM	48.1	43.6	06:05 AM - 06:10 AM	53.2	46.7	08:45 AM - 08:50 AM	49.5	45.1
03:30 AM - 03:35 AM	46.7	43.8	06:10 AM - 06:15 AM	53.5	47.7	08:50 AM - 08:55 AM	51.2	45.5
03:35 AM - 03:40 AM	45.7	43.1	06:15 AM - 06:20 AM	57.1	47.7	08:55 AM - 09:00 AM	49.7	45.9
03:40 AM - 03:45 AM	46.1	43.2	06:20 AM - 06:25 AM	53.0	47.8	09:00 AM - 09:05 AM	50.3	45.4
03:45 AM - 03:50 AM	49.7	43.9	06:25 AM - 06:30 AM	52.5	47.3	09:05 AM - 09:10 AM	50.3	45.4
03:50 AM - 03:55 AM	45.1	43.0	06:30 AM - 06:35 AM	55.8	46.9	09:10 AM - 09:15 AM	50.6	46.2
03:55 AM - 04:00 AM	46.1	43.7	06:35 AM - 06:40 AM	58.9	49.0	09:15 AM - 09:20 AM	51.2	46.5
04:00 AM - 04:05 AM	49.5	43.8	06:40 AM - 06:45 AM	54.4	47.6	09:20 AM - 09:25 AM	49.1	45.9
04:05 AM - 04:10 AM	49.0	44.6	06:45 AM - 06:50 AM	51.1	47.4	09:25 AM - 09:30 AM	50.2	46.5
04:10 AM - 04:15 AM	48.4	44.4	06:50 AM - 06:55 AM	52.1	47.7	09:30 AM - 09:35 AM	50.4	46.7
04:15 AM - 04:20 AM	48.0	45.5	06:55 AM - 07:00 AM	52.6	48.1	09:35 AM - 09:40 AM	49.4	45.9
04:20 AM - 04:25 AM	48.6	45.2	07:00 AM - 07:05 AM	53.4	47.9	09:40 AM - 09:45 AM	48.3	45.3
04:25 AM - 04:30 AM	48.8	43.8	07:05 AM - 07:10 AM	53.0	48.4	09:45 AM - 09:50 AM	49.9	46.4
04:30 AM - 04:35 AM	48.9	44.0	07:10 AM - 07:15 AM	54.7	48.8	09:50 AM - 09:55 AM	51.2	47.3
04:35 AM - 04:40 AM	48.4	43.9	07:15 AM - 07:20 AM	53.8	47.8	09:55 AM - 10:00 AM	50.6	46.5
04:40 AM - 04:45 AM	48.9	43.3	07:20 AM - 07:25 AM	52.5	47.5	10:00 AM - 10:05 AM	50.2	46.5
04:45 AM - 04:50 AM	49.8	43.9	07:25 AM - 07:30 AM	52.1	45.8	10:05 AM - 10:10 AM	49.4	46.5
04:50 AM - 04:55 AM	50.3	43.7	07:30 AM - 07:35 AM	52.7	46.7	10:10 AM - 10:15 AM	49.1	45.5
04:55 AM - 05:00 AM	45.9	43.4	07:35 AM - 07:40 AM	52.1	46.8	10:15 AM - 10:20 AM	48.9	45.5
05:00 AM - 05:05 AM	48.2	44.0	07:40 AM - 07:45 AM	53.4	46.8	10:20 AM - 10:25 AM	50.3	45.5
05:05 AM - 05:10 AM	49.8	43.9	07:45 AM - 07:50 AM	51.5	46.7	10:25 AM - 10:30 AM	49.2	45.7
05:10 AM - 05:15 AM	47.4	44.2	07:50 AM - 07:55 AM	51.3	46.9	10:30 AM - 10:35 AM	52.0	47.3
05:15 AM - 05:20 AM	50.2	44.1	07:55 AM - 08:00 AM	51.8	46.2	10:35 AM - 10:40 AM	56.7	46.4
05:20 AM - 05:25 AM	49.6	45.2	08:00 AM - 08:05 AM	51.6	46.6	10:40 AM - 10:45 AM	54.4	46.5
05:25 AM - 05:30 AM	50.0	44.2	08:05 AM - 08:10 AM	50.7	46.7	10:45 AM - 10:50 AM	52.5	46.4
05:30 AM - 05:35 AM	50.3	45.3	08:10 AM - 08:15 AM	50.8	46.1	10:50 AM - 10:55 AM	49.8	46.5
05:35 AM - 05:40 AM	51.8	46.6	08:15 AM - 08:20 AM	50.4	46.5	10:55 AM - 11:00 AM	49.7	45.8

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Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102377-1

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

Page 1 of 3

Sample Number : 2485391-7
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Sep 01 - Sep 02, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00472126

Sep 01, 2024	Leq	L90	Sep 01, 2024	Leq	L90	Sep 01, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	54.0	47.8	01:40 PM - 01:45 PM	50.2	46.2	04:20 PM - 04:25 PM	49.9	45.0
11:05 AM - 11:10 AM	50.6	47.7	01:45 PM - 01:50 PM	50.3	46.8	04:25 PM - 04:30 PM	49.8	45.8
11:10 AM - 11:15 AM	51.3	47.7	01:50 PM - 01:55 PM	50.7	44.5	04:30 PM - 04:35 PM	52.1	46.0
11:15 AM - 11:20 AM	51.9	48.1	01:55 PM - 02:00 PM	50.7	44.8	04:35 PM - 04:40 PM	53.4	46.3
11:20 AM - 11:25 AM	51.5	47.8	02:00 PM - 02:05 PM	49.6	45.8	04:40 PM - 04:45 PM	52.3	45.5
11:25 AM - 11:30 AM	51.9	48.3	02:05 PM - 02:10 PM	49.5	46.5	04:45 PM - 04:50 PM	51.6	47.4
11:30 AM - 11:35 AM	50.9	47.4	02:10 PM - 02:15 PM	49.0	45.5	04:50 PM - 04:55 PM	51.7	46.1
11:35 AM - 11:40 AM	50.9	46.6	02:15 PM - 02:20 PM	49.7	45.3	04:55 PM - 05:00 PM	51.0	46.5
11:40 AM - 11:45 AM	51.5	46.8	02:20 PM - 02:25 PM	47.9	44.2	05:00 PM - 05:05 PM	50.6	47.1
11:45 AM - 11:50 AM	51.1	46.9	02:25 PM - 02:30 PM	49.4	44.3	05:05 PM - 05:10 PM	49.2	46.1
11:50 AM - 11:55 AM	50.5	47.8	02:30 PM - 02:35 PM	49.0	44.6	05:10 PM - 05:15 PM	54.0	46.7
11:55 AM - 12:00 PM	50.2	46.9	02:35 PM - 02:40 PM	48.7	43.3	05:15 PM - 05:20 PM	53.6	46.9
12:00 PM - 12:05 PM	51.5	47.8	02:40 PM - 02:45 PM	51.4	43.6	05:20 PM - 05:25 PM	50.6	47.0
12:05 PM - 12:10 PM	51.0	47.3	02:45 PM - 02:50 PM	49.9	45.2	05:25 PM - 05:30 PM	50.3	46.8
12:10 PM - 12:15 PM	51.8	47.6	02:50 PM - 02:55 PM	50.3	45.3	05:30 PM - 05:35 PM	51.5	46.5
12:15 PM - 12:20 PM	51.2	47.1	02:55 PM - 03:00 PM	47.8	43.5	05:35 PM - 05:40 PM	51.2	46.5
12:20 PM - 12:25 PM	55.0	45.8	03:00 PM - 03:05 PM	49.1	44.7	05:40 PM - 05:45 PM	50.3	46.3
12:25 PM - 12:30 PM	50.2	45.2	03:05 PM - 03:10 PM	48.4	44.2	05:45 PM - 05:50 PM	50.2	46.3
12:30 PM - 12:35 PM	48.8	44.8	03:10 PM - 03:15 PM	50.1	45.5	05:50 PM - 05:55 PM	51.6	46.6
12:35 PM - 12:40 PM	50.1	46.2	03:15 PM - 03:20 PM	50.8	44.4	05:55 PM - 06:00 PM	50.7	46.8
12:40 PM - 12:45 PM	50.9	47.2	03:20 PM - 03:25 PM	50.6	44.5	06:00 PM - 06:05 PM	51.2	46.8
12:45 PM - 12:50 PM	50.9	47.2	03:25 PM - 03:30 PM	49.9	43.7	06:05 PM - 06:10 PM	52.1	47.2
12:50 PM - 12:55 PM	52.3	47.1	03:30 PM - 03:35 PM	48.5	44.0	06:10 PM - 06:15 PM	53.9	47.3
12:55 PM - 01:00 PM	50.5	46.8	03:35 PM - 03:40 PM	50.1	45.0	06:15 PM - 06:20 PM	51.7	47.0
01:00 PM - 01:05 PM	49.6	46.3	03:40 PM - 03:45 PM	50.9	42.8	06:20 PM - 06:25 PM	52.2	48.2
01:05 PM - 01:10 PM	49.7	45.4	03:45 PM - 03:50 PM	49.5	43.2	06:25 PM - 06:30 PM	52.0	46.9
01:10 PM - 01:15 PM	50.8	45.6	03:50 PM - 03:55 PM	49.7	44.6	06:30 PM - 06:35 PM	50.8	47.3
01:15 PM - 01:20 PM	51.0	47.2	03:55 PM - 04:00 PM	49.3	42.9	06:35 PM - 06:40 PM	49.9	46.4
01:20 PM - 01:25 PM	50.0	46.5	04:00 PM - 04:05 PM	49.6	44.1	06:40 PM - 06:45 PM	52.7	47.9
01:25 PM - 01:30 PM	50.4	47.1	04:05 PM - 04:10 PM	48.3	44.6	06:45 PM - 06:50 PM	51.5	47.8
01:30 PM - 01:35 PM	52.9	48.8	04:10 PM - 04:15 PM	50.9	45.0	06:50 PM - 06:55 PM	53.1	48.4
01:35 PM - 01:40 PM	51.2	47.8	04:15 PM - 04:20 PM	49.1	45.5	06:55 PM - 07:00 PM	52.4	46.9

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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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102377-1

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

Page 2 of 3

Sample Number 2485391-7
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Sep 01 - Sep 02, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Sep 01, 2024			Sep 01 - Sep 02, 2024			Sep 02, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	51.4	47.0	09:40 PM - 09:45 PM	53.0	47.5	12:20 AM - 12:25 AM	60.5	56.9
07:05 PM - 07:10 PM	53.8	47.8	09:45 PM - 09:50 PM	54.0	46.7	12:25 AM - 12:30 AM	58.9	57.3
07:10 PM - 07:15 PM	52.2	47.0	09:50 PM - 09:55 PM	50.6	46.0	12:30 AM - 12:35 AM	71.8	59.8
07:15 PM - 07:20 PM	51.8	46.4	09:55 PM - 10:00 PM	53.7	48.2	12:35 AM - 12:40 AM	71.0	67.7
07:20 PM - 07:25 PM	53.2	47.0	10:00 PM - 10:05 PM	54.9	44.7	12:40 AM - 12:45 AM	66.9	63.2
07:25 PM - 07:30 PM	51.7	46.5	10:05 PM - 10:10 PM	51.7	45.2	12:45 AM - 12:50 AM	64.4	59.1
07:30 PM - 07:35 PM	50.4	46.5	10:10 PM - 10:15 PM	51.0	45.9	12:50 AM - 12:55 AM	70.5	68.0
07:35 PM - 07:40 PM	54.2	47.3	10:15 PM - 10:20 PM	53.5	48.5	12:55 AM - 01:00 AM	67.7	65.9
07:40 PM - 07:45 PM	53.2	48.4	10:20 PM - 10:25 PM	53.3	49.0	01:00 AM - 01:05 AM	64.2	62.0
07:45 PM - 07:50 PM	53.7	47.2	10:25 PM - 10:30 PM	50.5	43.4	01:05 AM - 01:10 AM	62.1	60.1
07:50 PM - 07:55 PM	52.7	48.4	10:30 PM - 10:35 PM	51.9	45.2	01:10 AM - 01:15 AM	63.3	62.1
07:55 PM - 08:00 PM	53.6	47.4	10:35 PM - 10:40 PM	50.9	46.3	01:15 AM - 01:20 AM	61.2	58.7
08:00 PM - 08:05 PM	53.9	46.4	10:40 PM - 10:45 PM	55.5	47.3	01:20 AM - 01:25 AM	56.3	54.5
08:05 PM - 08:10 PM	53.3	45.8	10:45 PM - 10:50 PM	51.3	45.8	01:25 AM - 01:30 AM	57.0	55.5
08:10 PM - 08:15 PM	50.6	45.6	10:50 PM - 10:55 PM	51.2	42.4	01:30 AM - 01:35 AM	55.7	54.6
08:15 PM - 08:20 PM	51.2	45.9	10:55 PM - 11:00 PM	47.0	41.9	01:35 AM - 01:40 AM	53.6	52.6
08:20 PM - 08:25 PM	52.2	47.1	11:00 PM - 11:05 PM	50.4	43.7	01:40 AM - 01:45 AM	52.0	50.5
08:25 PM - 08:30 PM	51.2	46.3	11:05 PM - 11:10 PM	53.3	46.5	01:45 AM - 01:50 AM	53.2	51.1
08:30 PM - 08:35 PM	50.9	46.2	11:10 PM - 11:15 PM	53.6	47.9	01:50 AM - 01:55 AM	51.5	50.0
08:35 PM - 08:40 PM	51.4	45.7	11:15 PM - 11:20 PM	66.4	49.0	01:55 AM - 02:00 AM	51.8	49.8
08:40 PM - 08:45 PM	53.7	46.6	11:20 PM - 11:25 PM	66.6	62.3	02:00 AM - 02:05 AM	54.6	51.7
08:45 PM - 08:50 PM	50.2	46.4	11:25 PM - 11:30 PM	56.3	49.2	02:05 AM - 02:10 AM	55.8	54.2
08:50 PM - 08:55 PM	49.3	46.3	11:30 PM - 11:35 PM	53.2	45.8	02:10 AM - 02:15 AM	56.1	54.8
08:55 PM - 09:00 PM	52.8	47.4	11:35 PM - 11:40 PM	54.6	49.8	02:15 AM - 02:20 AM	53.8	52.7
09:00 PM - 09:05 PM	51.2	46.6	11:40 PM - 11:45 PM	49.7	47.1	02:20 AM - 02:25 AM	55.6	54.1
09:05 PM - 09:10 PM	50.6	45.5	11:45 PM - 11:50 PM	62.5	50.8	02:25 AM - 02:30 AM	53.2	50.1
09:10 PM - 09:15 PM	48.9	45.6	11:50 PM - 11:55 PM	73.4	70.6	02:30 AM - 02:35 AM	53.5	51.0
09:15 PM - 09:20 PM	49.9	45.9	11:55 PM - 12:00 AM	72.8	70.7	02:35 AM - 02:40 AM	54.8	53.7
09:20 PM - 09:25 PM	51.6	46.9	12:00 AM - 12:05 AM	71.4	67.8	02:40 AM - 02:45 AM	55.5	54.4
09:25 PM - 09:30 PM	51.1	48.2	12:05 AM - 12:10 AM	65.0	61.8	02:45 AM - 02:50 AM	53.9	52.2
09:30 PM - 09:35 PM	52.6	47.2	12:10 AM - 12:15 AM	69.6	61.4	02:50 AM - 02:55 AM	52.0	50.2
09:35 PM - 09:40 PM	52.4	49.3	12:15 AM - 12:20 AM	68.9	66.7	02:55 AM - 03:00 AM	55.9	54.5

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Assistant General Manager

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



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102377-1

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

Page 3 of 3

Sample Number 2485391-7
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Sep 01 - Sep 02, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00472126

Sep 02, 2024			Sep 02, 2024			Sep 02, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	53.7	51.6	05:40 AM - 05:45 AM	56.5	55.1	08:20 AM - 08:25 AM	52.4	47.5
03:05 AM - 03:10 AM	58.0	51.6	05:45 AM - 05:50 AM	56.9	56.1	08:25 AM - 08:30 AM	53.6	47.8
03:10 AM - 03:15 AM	62.0	60.2	05:50 AM - 05:55 AM	56.8	55.3	08:30 AM - 08:35 AM	53.0	49.1
03:15 AM - 03:20 AM	60.5	59.5	05:55 AM - 06:00 AM	57.2	55.2	08:35 AM - 08:40 AM	60.3	50.2
03:20 AM - 03:25 AM	60.3	58.5	06:00 AM - 06:05 AM	57.1	55.0	08:40 AM - 08:45 AM	59.8	49.0
03:25 AM - 03:30 AM	58.2	56.6	06:05 AM - 06:10 AM	57.3	55.1	08:45 AM - 08:50 AM	61.9	48.7
03:30 AM - 03:35 AM	54.3	51.5	06:10 AM - 06:15 AM	58.9	56.4	08:50 AM - 08:55 AM	56.7	45.2
03:35 AM - 03:40 AM	50.0	47.6	06:15 AM - 06:20 AM	58.9	55.0	08:55 AM - 09:00 AM	56.2	46.1
03:40 AM - 03:45 AM	50.9	46.7	06:20 AM - 06:25 AM	58.5	54.2	09:00 AM - 09:05 AM	52.6	45.3
03:45 AM - 03:50 AM	51.3	46.7	06:25 AM - 06:30 AM	57.4	53.7	09:05 AM - 09:10 AM	52.6	46.3
03:50 AM - 03:55 AM	55.7	51.6	06:30 AM - 06:35 AM	57.0	52.1	09:10 AM - 09:15 AM	52.1	45.6
03:55 AM - 04:00 AM	57.5	56.1	06:35 AM - 06:40 AM	57.3	52.2	09:15 AM - 09:20 AM	54.6	47.2
04:00 AM - 04:05 AM	58.3	56.8	06:40 AM - 06:45 AM	57.4	51.5	09:20 AM - 09:25 AM	50.7	45.4
04:05 AM - 04:10 AM	59.1	57.8	06:45 AM - 06:50 AM	57.3	52.1	09:25 AM - 09:30 AM	52.7	47.0
04:10 AM - 04:15 AM	58.0	57.2	06:50 AM - 06:55 AM	57.2	51.9	09:30 AM - 09:35 AM	50.6	45.9
04:15 AM - 04:20 AM	58.6	57.8	06:55 AM - 07:00 AM	58.8	51.9	09:35 AM - 09:40 AM	52.4	45.6
04:20 AM - 04:25 AM	59.5	58.6	07:00 AM - 07:05 AM	56.3	51.4	09:40 AM - 09:45 AM	51.9	46.3
04:25 AM - 04:30 AM	57.0	55.8	07:05 AM - 07:10 AM	56.8	51.1	09:45 AM - 09:50 AM	53.7	44.2
04:30 AM - 04:35 AM	55.7	55.1	07:10 AM - 07:15 AM	57.2	51.6	09:50 AM - 09:55 AM	51.9	46.5
04:35 AM - 04:40 AM	55.3	54.2	07:15 AM - 07:20 AM	55.5	51.3	09:55 AM - 10:00 AM	51.3	48.4
04:40 AM - 04:45 AM	55.8	54.4	07:20 AM - 07:25 AM	58.3	50.4	10:00 AM - 10:05 AM	50.3	44.4
04:45 AM - 04:50 AM	57.3	56.4	07:25 AM - 07:30 AM	57.1	50.4	10:05 AM - 10:10 AM	54.7	45.5
04:50 AM - 04:55 AM	56.8	55.3	07:30 AM - 07:35 AM	55.4	51.0	10:10 AM - 10:15 AM	50.8	44.0
04:55 AM - 05:00 AM	58.7	57.6	07:35 AM - 07:40 AM	67.0	50.3	10:15 AM - 10:20 AM	52.0	46.6
05:00 AM - 05:05 AM	57.6	56.7	07:40 AM - 07:45 AM	67.3	51.5	10:20 AM - 10:25 AM	54.6	45.8
05:05 AM - 05:10 AM	58.2	57.1	07:45 AM - 07:50 AM	55.8	50.4	10:25 AM - 10:30 AM	51.1	45.3
05:10 AM - 05:15 AM	56.7	55.3	07:50 AM - 07:55 AM	55.5	49.9	10:30 AM - 10:35 AM	56.6	46.8
05:15 AM - 05:20 AM	56.9	55.1	07:55 AM - 08:00 AM	54.3	48.7	10:35 AM - 10:40 AM	54.6	46.7
05:20 AM - 05:25 AM	56.1	54.5	08:00 AM - 08:05 AM	56.3	48.7	10:40 AM - 10:45 AM	51.8	47.4
05:25 AM - 05:30 AM	55.6	54.5	08:05 AM - 08:10 AM	54.8	48.3	10:45 AM - 10:50 AM	52.9	46.7
05:30 AM - 05:35 AM	56.0	54.2	08:10 AM - 08:15 AM	59.0	48.8	10:50 AM - 10:55 AM	51.9	46.2
05:35 AM - 05:40 AM	55.6	53.9	08:15 AM - 08:20 AM	52.9	48.7	10:55 AM - 11:00 AM	51.8	46.6

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



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102378-1

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

Page 1 of 3

Sample Number : 2485391-8
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ธาราประทุม (GPS 47P 0735578, 1402792)
Measurement Date : Aug 26 - Aug 27, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Aug 26, 2024			Aug 26, 2024			Aug 26, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	53.1	51.2	01:40 PM - 01:45 PM	59.0	58.2	04:20 PM - 04:25 PM	54.6	53.7
11:05 AM - 11:10 AM	53.2	50.8	01:45 PM - 01:50 PM	62.7	60.8	04:25 PM - 04:30 PM	57.2	54.2
11:10 AM - 11:15 AM	55.6	50.9	01:50 PM - 01:55 PM	62.7	62.2	04:30 PM - 04:35 PM	57.0	55.2
11:15 AM - 11:20 AM	52.7	51.1	01:55 PM - 02:00 PM	61.7	61.1	04:35 PM - 04:40 PM	58.7	56.1
11:20 AM - 11:25 AM	52.5	51.0	02:00 PM - 02:05 PM	61.2	60.8	04:40 PM - 04:45 PM	57.2	55.2
11:25 AM - 11:30 AM	52.7	51.0	02:05 PM - 02:10 PM	60.3	59.7	04:45 PM - 04:50 PM	57.9	55.1
11:30 AM - 11:35 AM	52.0	50.3	02:10 PM - 02:15 PM	59.7	59.2	04:50 PM - 04:55 PM	54.7	53.5
11:35 AM - 11:40 AM	54.0	50.9	02:15 PM - 02:20 PM	59.6	59.1	04:55 PM - 05:00 PM	55.7	53.8
11:40 AM - 11:45 AM	53.3	50.9	02:20 PM - 02:25 PM	59.5	59.0	05:00 PM - 05:05 PM	56.0	54.3
11:45 AM - 11:50 AM	53.1	51.3	02:25 PM - 02:30 PM	59.4	58.9	05:05 PM - 05:10 PM	56.5	54.0
11:50 AM - 11:55 AM	52.9	51.5	02:30 PM - 02:35 PM	59.1	58.6	05:10 PM - 05:15 PM	55.8	53.8
11:55 AM - 12:00 PM	53.4	51.5	02:35 PM - 02:40 PM	59.5	58.4	05:15 PM - 05:20 PM	56.1	54.3
12:00 PM - 12:05 PM	57.3	55.0	02:40 PM - 02:45 PM	58.7	58.1	05:20 PM - 05:25 PM	55.8	53.8
12:05 PM - 12:10 PM	58.3	55.2	02:45 PM - 02:50 PM	58.5	58.0	05:25 PM - 05:30 PM	55.5	53.5
12:10 PM - 12:15 PM	56.8	54.9	02:50 PM - 02:55 PM	58.4	57.7	05:30 PM - 05:35 PM	55.2	53.4
12:15 PM - 12:20 PM	56.6	54.4	02:55 PM - 03:00 PM	58.1	57.4	05:35 PM - 05:40 PM	55.4	53.8
12:20 PM - 12:25 PM	55.2	53.3	03:00 PM - 03:05 PM	57.5	57.0	05:40 PM - 05:45 PM	55.8	53.5
12:25 PM - 12:30 PM	54.0	52.9	03:05 PM - 03:10 PM	57.6	57.0	05:45 PM - 05:50 PM	56.0	52.6
12:30 PM - 12:35 PM	54.3	52.7	03:10 PM - 03:15 PM	57.5	56.7	05:50 PM - 05:55 PM	55.1	52.9
12:35 PM - 12:40 PM	53.9	51.9	03:15 PM - 03:20 PM	56.6	56.0	05:55 PM - 06:00 PM	54.4	52.6
12:40 PM - 12:45 PM	53.1	51.8	03:20 PM - 03:25 PM	56.3	55.7	06:00 PM - 06:05 PM	57.6	53.0
12:45 PM - 12:50 PM	52.9	51.5	03:25 PM - 03:30 PM	56.1	55.4	06:05 PM - 06:10 PM	55.3	53.1
12:50 PM - 12:55 PM	53.5	51.7	03:30 PM - 03:35 PM	57.2	55.2	06:10 PM - 06:15 PM	55.0	53.1
12:55 PM - 01:00 PM	56.9	52.2	03:35 PM - 03:40 PM	56.2	54.9	06:15 PM - 06:20 PM	55.0	53.0
01:00 PM - 01:05 PM	53.4	52.1	03:40 PM - 03:45 PM	54.9	54.3	06:20 PM - 06:25 PM	55.1	52.7
01:05 PM - 01:10 PM	54.4	52.3	03:45 PM - 03:50 PM	54.9	54.2	06:25 PM - 06:30 PM	53.8	52.5
01:10 PM - 01:15 PM	53.7	52.3	03:50 PM - 03:55 PM	54.7	54.1	06:30 PM - 06:35 PM	54.7	52.3
01:15 PM - 01:20 PM	54.8	52.5	03:55 PM - 04:00 PM	55.2	54.0	06:35 PM - 06:40 PM	56.2	53.1
01:20 PM - 01:25 PM	55.7	53.6	04:00 PM - 04:05 PM	54.6	53.9	06:40 PM - 06:45 PM	57.2	54.5
01:25 PM - 01:30 PM	55.9	54.7	04:05 PM - 04:10 PM	55.4	53.9	06:45 PM - 06:50 PM	55.2	53.3
01:30 PM - 01:35 PM	57.4	56.4	04:10 PM - 04:15 PM	56.2	54.0	06:50 PM - 06:55 PM	54.3	52.1
01:35 PM - 01:40 PM	58.2	57.4	04:15 PM - 04:20 PM	54.7	53.9	06:55 PM - 07:00 PM	54.6	52.5

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102378-1

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

Page 2 of 3

Sample Number : 2485391-8
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ธาราประทุม (GPS 47P 0735578, 1402792)
Measurement Date : Aug 26 - Aug 27, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Aug 26, 2024			Aug 26 - Aug 27, 2024			Aug 27, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	54.9	52.4	09:40 PM - 09:45 PM	50.5	49.3	12:20 AM - 12:25 AM	51.5	48.4
07:05 PM - 07:10 PM	56.3	52.5	09:45 PM - 09:50 PM	53.3	49.1	12:25 AM - 12:30 AM	49.9	48.3
07:10 PM - 07:15 PM	54.8	52.2	09:50 PM - 09:55 PM	50.1	48.9	12:30 AM - 12:35 AM	48.9	47.7
07:15 PM - 07:20 PM	54.0	52.1	09:55 PM - 10:00 PM	50.8	49.2	12:35 AM - 12:40 AM	49.7	47.7
07:20 PM - 07:25 PM	55.0	51.8	10:00 PM - 10:05 PM	50.5	49.0	12:40 AM - 12:45 AM	48.5	47.7
07:25 PM - 07:30 PM	53.7	51.6	10:05 PM - 10:10 PM	51.1	48.9	12:45 AM - 12:50 AM	50.3	47.6
07:30 PM - 07:35 PM	53.4	51.8	10:10 PM - 10:15 PM	51.0	49.4	12:50 AM - 12:55 AM	48.2	47.6
07:35 PM - 07:40 PM	53.6	51.3	10:15 PM - 10:20 PM	51.9	49.3	12:55 AM - 01:00 AM	48.4	47.5
07:40 PM - 07:45 PM	54.0	51.5	10:20 PM - 10:25 PM	50.2	49.2	01:00 AM - 01:05 AM	48.5	47.4
07:45 PM - 07:50 PM	53.5	51.5	10:25 PM - 10:30 PM	49.9	49.1	01:05 AM - 01:10 AM	49.4	47.2
07:50 PM - 07:55 PM	53.1	51.3	10:30 PM - 10:35 PM	53.2	49.0	01:10 AM - 01:15 AM	48.9	47.3
07:55 PM - 08:00 PM	52.3	51.0	10:35 PM - 10:40 PM	51.3	48.9	01:15 AM - 01:20 AM	49.6	47.7
08:00 PM - 08:05 PM	52.9	51.2	10:40 PM - 10:45 PM	52.4	49.1	01:20 AM - 01:25 AM	48.6	47.6
08:05 PM - 08:10 PM	53.3	51.8	10:45 PM - 10:50 PM	50.2	48.9	01:25 AM - 01:30 AM	47.9	47.5
08:10 PM - 08:15 PM	54.6	51.9	10:50 PM - 10:55 PM	51.2	49.1	01:30 AM - 01:35 AM	49.2	47.3
08:15 PM - 08:20 PM	53.9	51.5	10:55 PM - 11:00 PM	54.8	49.1	01:35 AM - 01:40 AM	48.7	47.1
08:20 PM - 08:25 PM	53.4	51.2	11:00 PM - 11:05 PM	50.5	49.0	01:40 AM - 01:45 AM	48.0	47.2
08:25 PM - 08:30 PM	56.5	51.5	11:05 PM - 11:10 PM	50.6	49.3	01:45 AM - 01:50 AM	47.8	46.8
08:30 PM - 08:35 PM	53.3	51.0	11:10 PM - 11:15 PM	52.2	49.1	01:50 AM - 01:55 AM	48.2	47.4
08:35 PM - 08:40 PM	51.5	50.3	11:15 PM - 11:20 PM	50.6	48.7	01:55 AM - 02:00 AM	50.4	47.6
08:40 PM - 08:45 PM	52.9	50.5	11:20 PM - 11:25 PM	53.1	48.8	02:00 AM - 02:05 AM	48.9	47.4
08:45 PM - 08:50 PM	57.2	50.7	11:25 PM - 11:30 PM	53.1	49.1	02:05 AM - 02:10 AM	50.1	47.2
08:50 PM - 08:55 PM	55.1	53.5	11:30 PM - 11:35 PM	49.6	48.9	02:10 AM - 02:15 AM	47.7	47.1
08:55 PM - 09:00 PM	55.5	53.4	11:35 PM - 11:40 PM	50.6	49.1	02:15 AM - 02:20 AM	47.6	47.1
09:00 PM - 09:05 PM	53.3	49.5	11:40 PM - 11:45 PM	49.8	48.9	02:20 AM - 02:25 AM	49.6	46.9
09:05 PM - 09:10 PM	51.0	49.5	11:45 PM - 11:50 PM	50.9	48.9	02:25 AM - 02:30 AM	50.2	47.0
09:10 PM - 09:15 PM	52.1	49.7	11:50 PM - 11:55 PM	58.5	48.5	02:30 AM - 02:35 AM	48.0	47.4
09:15 PM - 09:20 PM	52.6	49.5	11:55 PM - 12:00 AM	49.7	47.9	02:35 AM - 02:40 AM	49.0	47.4
09:20 PM - 09:25 PM	51.0	49.4	12:00 AM - 12:05 AM	49.0	48.3	02:40 AM - 02:45 AM	49.6	47.3
09:25 PM - 09:30 PM	52.2	49.3	12:05 AM - 12:10 AM	49.0	48.2	02:45 AM - 02:50 AM	48.7	47.4
09:30 PM - 09:35 PM	50.6	48.8	12:10 AM - 12:15 AM	50.4	48.7	02:50 AM - 02:55 AM	48.0	47.2
09:35 PM - 09:40 PM	51.3	49.2	12:15 AM - 12:20 AM	49.3	48.2	02:55 AM - 03:00 AM	48.0	46.9

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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102378-1

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

Page 3 of 3

Sample Number 2485391-8
Parameter Noise Level (Leq 5 min)
Location ฐานตรวจวัด-ด้านโรงรถ (GPS 47P 0735578, 1402792)
Measurement Date Aug 26 - Aug 27, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Aug 27, 2024 Time	Leq dB(A)	L90 dB(A)	Aug 27, 2024 Time	Leq dB(A)	L90 dB(A)	Aug 27, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	47.8	46.9	05:40 AM - 05:45 AM	51.8	49.7	08:20 AM - 08:25 AM	51.6	49.6
03:05 AM - 03:10 AM	48.2	47.2	05:45 AM - 05:50 AM	52.2	50.0	08:25 AM - 08:30 AM	53.2	48.6
03:10 AM - 03:15 AM	48.1	46.8	05:50 AM - 05:55 AM	50.6	49.3	08:30 AM - 08:35 AM	52.4	49.1
03:15 AM - 03:20 AM	47.9	47.2	05:55 AM - 06:00 AM	51.1	49.4	08:35 AM - 08:40 AM	54.7	50.9
03:20 AM - 03:25 AM	47.9	47.1	06:00 AM - 06:05 AM	51.7	50.0	08:40 AM - 08:45 AM	54.7	51.1
03:25 AM - 03:30 AM	48.2	47.2	06:05 AM - 06:10 AM	52.0	50.3	08:45 AM - 08:50 AM	51.1	49.1
03:30 AM - 03:35 AM	48.1	47.2	06:10 AM - 06:15 AM	53.4	50.5	08:50 AM - 08:55 AM	52.9	48.7
03:35 AM - 03:40 AM	47.9	46.9	06:15 AM - 06:20 AM	54.0	51.4	08:55 AM - 09:00 AM	51.9	48.7
03:40 AM - 03:45 AM	48.2	46.8	06:20 AM - 06:25 AM	54.0	51.3	09:00 AM - 09:05 AM	50.4	48.9
03:45 AM - 03:50 AM	49.2	47.4	06:25 AM - 06:30 AM	52.5	51.1	09:05 AM - 09:10 AM	53.9	49.0
03:50 AM - 03:55 AM	50.4	47.4	06:30 AM - 06:35 AM	52.8	51.4	09:10 AM - 09:15 AM	51.8	49.3
03:55 AM - 04:00 AM	48.4	47.0	06:35 AM - 06:40 AM	54.6	51.7	09:15 AM - 09:20 AM	50.7	48.5
04:00 AM - 04:05 AM	48.0	47.2	06:40 AM - 06:45 AM	54.0	51.9	09:20 AM - 09:25 AM	53.6	48.8
04:05 AM - 04:10 AM	48.4	47.6	06:45 AM - 06:50 AM	53.8	51.9	09:25 AM - 09:30 AM	51.9	49.7
04:10 AM - 04:15 AM	48.9	47.4	06:50 AM - 06:55 AM	55.1	51.3	09:30 AM - 09:35 AM	53.7	49.6
04:15 AM - 04:20 AM	48.7	47.0	06:55 AM - 07:00 AM	53.2	50.9	09:35 AM - 09:40 AM	52.3	50.2
04:20 AM - 04:25 AM	47.8	46.5	07:00 AM - 07:05 AM	56.5	52.0	09:40 AM - 09:45 AM	52.9	49.8
04:25 AM - 04:30 AM	53.2	47.8	07:05 AM - 07:10 AM	54.5	52.0	09:45 AM - 09:50 AM	52.1	50.7
04:30 AM - 04:35 AM	57.6	48.1	07:10 AM - 07:15 AM	54.0	51.5	09:50 AM - 09:55 AM	52.0	50.4
04:35 AM - 04:40 AM	49.5	48.1	07:15 AM - 07:20 AM	55.2	52.1	09:55 AM - 10:00 AM	52.3	50.5
04:40 AM - 04:45 AM	51.6	48.1	07:20 AM - 07:25 AM	54.0	51.2	10:00 AM - 10:05 AM	52.2	49.7
04:45 AM - 04:50 AM	50.8	48.0	07:25 AM - 07:30 AM	55.4	51.9	10:05 AM - 10:10 AM	51.1	49.3
04:50 AM - 04:55 AM	48.9	47.7	07:30 AM - 07:35 AM	54.3	51.2	10:10 AM - 10:15 AM	51.4	49.2
04:55 AM - 05:00 AM	48.1	47.1	07:35 AM - 07:40 AM	54.2	50.9	10:15 AM - 10:20 AM	51.8	49.5
05:00 AM - 05:05 AM	49.7	48.5	07:40 AM - 07:45 AM	54.5	50.8	10:20 AM - 10:25 AM	52.3	49.9
05:05 AM - 05:10 AM	50.4	48.5	07:45 AM - 07:50 AM	55.2	51.2	10:25 AM - 10:30 AM	55.2	50.9
05:10 AM - 05:15 AM	50.5	48.2	07:50 AM - 07:55 AM	53.5	50.7	10:30 AM - 10:35 AM	54.2	51.3
05:15 AM - 05:20 AM	50.6	48.1	07:55 AM - 08:00 AM	57.0	49.7	10:35 AM - 10:40 AM	54.9	52.8
05:20 AM - 05:25 AM	53.0	48.3	08:00 AM - 08:05 AM	53.7	49.2	10:40 AM - 10:45 AM	54.5	51.1
05:25 AM - 05:30 AM	50.7	48.5	08:05 AM - 08:10 AM	52.2	49.9	10:45 AM - 10:50 AM	54.6	52.5
05:30 AM - 05:35 AM	52.0	49.0	08:10 AM - 08:15 AM	52.9	50.5	10:50 AM - 10:55 AM	54.1	51.8
05:35 AM - 05:40 AM	53.4	49.0	08:15 AM - 08:20 AM	52.3	49.1	10:55 AM - 11:00 AM	54.4	50.2

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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, I-4 Road, Muang, Rayong Thailand 21150

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102379-1

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

Page 1 of 3

Sample Number 2485391-9
Parameter Noise Level (Leq 5 min)
Location ฐานตรวจวัด-ด้านโรงรถ (GPS 47P 0735578, 1402792)
Measurement Date Aug 27 - Aug 28, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Aug 27, 2024 Time	Leq dB(A)	L90 dB(A)	Aug 27, 2024 Time	Leq dB(A)	L90 dB(A)	Aug 27, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	53.8	51.0	01:40 PM - 01:45 PM	54.2	50.3	04:20 PM - 04:25 PM	52.3	50.1
11:05 AM - 11:10 AM	52.0	50.2	01:45 PM - 01:50 PM	53.7	51.6	04:25 PM - 04:30 PM	53.1	49.7
11:10 AM - 11:15 AM	52.4	50.3	01:50 PM - 01:55 PM	54.5	51.6	04:30 PM - 04:35 PM	53.1	50.4
11:15 AM - 11:20 AM	54.4	51.3	01:55 PM - 02:00 PM	54.0	50.9	04:35 PM - 04:40 PM	53.7	51.0
11:20 AM - 11:25 AM	55.0	50.8	02:00 PM - 02:05 PM	53.8	50.5	04:40 PM - 04:45 PM	54.5	50.6
11:25 AM - 11:30 AM	54.6	51.6	02:05 PM - 02:10 PM	52.4	49.9	04:45 PM - 04:50 PM	54.7	51.8
11:30 AM - 11:35 AM	53.9	51.1	02:10 PM - 02:15 PM	54.3	50.2	04:50 PM - 04:55 PM	55.4	50.6
11:35 AM - 11:40 AM	53.7	50.6	02:15 PM - 02:20 PM	53.2	49.6	04:55 PM - 05:00 PM	54.6	50.7
11:40 AM - 11:45 AM	54.9	50.9	02:20 PM - 02:25 PM	53.0	50.3	05:00 PM - 05:05 PM	54.4	51.2
11:45 AM - 11:50 AM	52.9	50.1	02:25 PM - 02:30 PM	52.3	49.8	05:05 PM - 05:10 PM	55.0	51.5
11:50 AM - 11:55 AM	54.0	50.9	02:30 PM - 02:35 PM	51.8	49.7	05:10 PM - 05:15 PM	55.9	51.7
11:55 AM - 12:00 PM	54.2	51.1	02:35 PM - 02:40 PM	51.0	48.8	05:15 PM - 05:20 PM	53.8	51.1
12:00 PM - 12:05 PM	55.1	52.2	02:40 PM - 02:45 PM	50.8	48.8	05:20 PM - 05:25 PM	54.3	50.1
12:05 PM - 12:10 PM	57.5	53.9	02:45 PM - 02:50 PM	50.3	48.9	05:25 PM - 05:30 PM	53.1	50.1
12:10 PM - 12:15 PM	56.3	52.9	02:50 PM - 02:55 PM	52.5	49.2	05:30 PM - 05:35 PM	53.1	50.7
12:15 PM - 12:20 PM	56.2	51.5	02:55 PM - 03:00 PM	54.1	49.5	05:35 PM - 05:40 PM	52.8	50.1
12:20 PM - 12:25 PM	53.5	50.2	03:00 PM - 03:05 PM	51.3	49.4	05:40 PM - 05:45 PM	52.8	50.8
12:25 PM - 12:30 PM	53.0	50.1	03:05 PM - 03:10 PM	50.8	49.3	05:45 PM - 05:50 PM	54.5	50.7
12:30 PM - 12:35 PM	52.5	50.4	03:10 PM - 03:15 PM	50.3	48.9	05:50 PM - 05:55 PM	54.0	51.4
12:35 PM - 12:40 PM	53.4	50.7	03:15 PM - 03:20 PM	51.1	49.6	05:55 PM - 06:00 PM	54.6	51.0
12:40 PM - 12:45 PM	52.9	50.5	03:20 PM - 03:25 PM	51.9	49.0	06:00 PM - 06:05 PM	54.2	51.1
12:45 PM - 12:50 PM	52.7	50.4	03:25 PM - 03:30 PM	51.0	48.8	06:05 PM - 06:10 PM	53.6	50.5
12:50 PM - 12:55 PM	53.4	50.7	03:30 PM - 03:35 PM	52.1	49.3	06:10 PM - 06:15 PM	54.1	51.5
12:55 PM - 01:00 PM	55.6	51.6	03:35 PM - 03:40 PM	51.2	48.9	06:15 PM - 06:20 PM	54.2	51.8
01:00 PM - 01:05 PM	54.2	50.7	03:40 PM - 03:45 PM	54.8	49.0	06:20 PM - 06:25 PM	52.6	50.5
01:05 PM - 01:10 PM	53.8	51.0	03:45 PM - 03:50 PM	51.0	49.1	06:25 PM - 06:30 PM	57.5	51.5
01:10 PM - 01:15 PM	53.8	51.2	03:50 PM - 03:55 PM	50.9	49.2	06:30 PM - 06:35 PM	53.2	50.4
01:15 PM - 01:20 PM	56.5	50.4	03:55 PM - 04:00 PM	52.8	49.4	06:35 PM - 06:40 PM	55.5	51.4
01:20 PM - 01:25 PM	52.9	50.6	04:00 PM - 04:05 PM	51.2	49.5	06:40 PM - 06:45 PM	55.7	50.6
01:25 PM - 01:30 PM	55.5	51.3	04:05 PM - 04:10 PM	51.8	49.3	06:45 PM - 06:50 PM	59.2	50.9
01:30 PM - 01:35 PM	55.9	51.0	04:10 PM - 04:15 PM	51.1	48.9	06:50 PM - 06:55 PM	52.8	49.7
01:35 PM - 01:40 PM	53.0	50.7	04:15 PM - 04:20 PM	51.2	49.7	06:55 PM - 07:00 PM	51.7	49.5

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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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102379-1

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

Page 2 of 3

Sample Number 2485391-9
Parameter Noise Level (Leq 5 min)
Location หนองนาเกลือ-ถาวร (GPS 47P 0735578, 1402792)
Measurement Date Aug 27 - Aug 28, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Aug 27, 2024			Aug 27 - Aug 28, 2024			Aug 28, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	51.4	50.2	09:40 PM - 09:45 PM	53.3	49.4	12:20 AM - 12:25 AM	50.6	48.2
07:05 PM - 07:10 PM	53.5	50.5	09:45 PM - 09:50 PM	51.5	49.0	12:25 AM - 12:30 AM	51.7	48.9
07:10 PM - 07:15 PM	53.3	50.3	09:50 PM - 09:55 PM	51.3	49.5	12:30 AM - 12:35 AM	51.8	49.8
07:15 PM - 07:20 PM	52.4	50.0	09:55 PM - 10:00 PM	52.2	49.3	12:35 AM - 12:40 AM	50.8	48.9
07:20 PM - 07:25 PM	51.5	49.0	10:00 PM - 10:05 PM	51.9	49.3	12:40 AM - 12:45 AM	54.4	50.6
07:25 PM - 07:30 PM	60.3	49.9	10:05 PM - 10:10 PM	50.5	49.0	12:45 AM - 12:50 AM	50.6	48.4
07:30 PM - 07:35 PM	52.0	49.0	10:10 PM - 10:15 PM	51.5	49.6	12:50 AM - 12:55 AM	50.0	48.3
07:35 PM - 07:40 PM	52.3	49.7	10:15 PM - 10:20 PM	55.6	49.6	12:55 AM - 01:00 AM	53.4	48.7
07:40 PM - 07:45 PM	52.0	49.9	10:20 PM - 10:25 PM	52.5	49.1	01:00 AM - 01:05 AM	53.9	50.7
07:45 PM - 07:50 PM	52.6	49.4	10:25 PM - 10:30 PM	51.9	49.7	01:05 AM - 01:10 AM	53.0	48.6
07:50 PM - 07:55 PM	51.9	49.4	10:30 PM - 10:35 PM	52.3	49.1	01:10 AM - 01:15 AM	51.0	48.7
07:55 PM - 08:00 PM	51.8	49.8	10:35 PM - 10:40 PM	50.4	49.2	01:15 AM - 01:20 AM	50.3	48.1
08:00 PM - 08:05 PM	52.7	50.0	10:40 PM - 10:45 PM	52.9	50.2	01:20 AM - 01:25 AM	48.2	47.2
08:05 PM - 08:10 PM	52.2	50.3	10:45 PM - 10:50 PM	52.7	50.5	01:25 AM - 01:30 AM	51.3	46.6
08:10 PM - 08:15 PM	52.9	50.4	10:50 PM - 10:55 PM	52.6	49.4	01:30 AM - 01:35 AM	47.2	46.4
08:15 PM - 08:20 PM	53.1	50.3	10:55 PM - 11:00 PM	52.1	49.6	01:35 AM - 01:40 AM	48.4	47.3
08:20 PM - 08:25 PM	51.8	50.0	11:00 PM - 11:05 PM	51.5	49.4	01:40 AM - 01:45 AM	47.6	46.9
08:25 PM - 08:30 PM	51.8	49.5	11:05 PM - 11:10 PM	52.8	50.6	01:45 AM - 01:50 AM	48.0	46.8
08:30 PM - 08:35 PM	53.0	49.5	11:10 PM - 11:15 PM	52.7	49.6	01:50 AM - 01:55 AM	47.6	47.0
08:35 PM - 08:40 PM	56.0	50.2	11:15 PM - 11:20 PM	52.2	49.6	01:55 AM - 02:00 AM	51.5	47.2
08:40 PM - 08:45 PM	53.4	49.6	11:20 PM - 11:25 PM	51.5	49.6	02:00 AM - 02:05 AM	48.2	47.2
08:45 PM - 08:50 PM	53.7	50.0	11:25 PM - 11:30 PM	50.9	49.2	02:05 AM - 02:10 AM	46.8	45.7
08:50 PM - 08:55 PM	53.6	49.9	11:30 PM - 11:35 PM	50.9	48.8	02:10 AM - 02:15 AM	48.6	47.0
08:55 PM - 09:00 PM	51.8	49.7	11:35 PM - 11:40 PM	53.4	49.7	02:15 AM - 02:20 AM	48.1	47.3
09:00 PM - 09:05 PM	51.1	49.1	11:40 PM - 11:45 PM	52.0	49.2	02:20 AM - 02:25 AM	70.6	57.4
09:05 PM - 09:10 PM	55.8	49.6	11:45 PM - 11:50 PM	51.0	48.9	02:25 AM - 02:30 AM	59.9	54.6
09:10 PM - 09:15 PM	54.2	49.2	11:50 PM - 11:55 PM	50.1	47.9	02:30 AM - 02:35 AM	56.0	53.8
09:15 PM - 09:20 PM	50.7	49.3	11:55 PM - 12:00 AM	52.0	48.0	02:35 AM - 02:40 AM	52.5	51.8
09:20 PM - 09:25 PM	50.5	49.0	12:00 AM - 12:05 AM	48.8	47.7	02:40 AM - 02:45 AM	51.8	51.0
09:25 PM - 09:30 PM	53.4	49.0	12:05 AM - 12:10 AM	50.1	48.0	02:45 AM - 02:50 AM	51.1	50.5
09:30 PM - 09:35 PM	50.9	49.4	12:10 AM - 12:15 AM	51.7	48.6	02:50 AM - 02:55 AM	51.2	50.0
09:35 PM - 09:40 PM	50.6	49.0	12:15 AM - 12:20 AM	49.6	48.2	02:55 AM - 03:00 AM	50.2	49.2

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102379-1

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

Page 3 of 3

Sample Number 2485391-9
Parameter Noise Level (Leq 5 min)
Location หนองนาเกลือ-ถาวร (GPS 47P 0735578, 1402792)
Measurement Date Aug 27 - Aug 28, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Aug 28, 2024			Aug 28, 2024			Aug 28, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	50.6	49.3	05:40 AM - 05:45 AM	54.7	53.6	08:20 AM - 08:25 AM	52.4	50.0
03:05 AM - 03:10 AM	50.3	49.5	05:45 AM - 05:50 AM	54.2	53.4	08:25 AM - 08:30 AM	51.3	49.5
03:10 AM - 03:15 AM	57.5	49.1	05:50 AM - 05:55 AM	54.9	53.3	08:30 AM - 08:35 AM	52.8	49.3
03:15 AM - 03:20 AM	58.3	56.0	05:55 AM - 06:00 AM	54.6	53.4	08:35 AM - 08:40 AM	54.1	50.3
03:20 AM - 03:25 AM	57.6	55.7	06:00 AM - 06:05 AM	54.7	53.4	08:40 AM - 08:45 AM	51.9	49.2
03:25 AM - 03:30 AM	56.5	55.4	06:05 AM - 06:10 AM	54.5	53.2	08:45 AM - 08:50 AM	51.6	49.5
03:30 AM - 03:35 AM	54.6	52.6	06:10 AM - 06:15 AM	54.8	53.2	08:50 AM - 08:55 AM	53.7	49.9
03:35 AM - 03:40 AM	54.8	53.6	06:15 AM - 06:20 AM	57.2	53.2	08:55 AM - 09:00 AM	53.2	49.5
03:40 AM - 03:45 AM	51.9	50.9	06:20 AM - 06:25 AM	54.4	52.8	09:00 AM - 09:05 AM	56.3	52.2
03:45 AM - 03:50 AM	52.0	50.8	06:25 AM - 06:30 AM	54.0	52.6	09:05 AM - 09:10 AM	55.2	50.5
03:50 AM - 03:55 AM	51.6	50.8	06:30 AM - 06:35 AM	54.2	52.9	09:10 AM - 09:15 AM	56.6	50.2
03:55 AM - 04:00 AM	52.0	50.9	06:35 AM - 06:40 AM	54.5	53.1	09:15 AM - 09:20 AM	58.2	52.5
04:00 AM - 04:05 AM	52.4	51.6	06:40 AM - 06:45 AM	55.1	52.9	09:20 AM - 09:25 AM	55.1	50.5
04:05 AM - 04:10 AM	52.5	51.8	06:45 AM - 06:50 AM	54.4	52.5	09:25 AM - 09:30 AM	58.2	51.1
04:10 AM - 04:15 AM	52.7	51.9	06:50 AM - 06:55 AM	54.4	52.3	09:30 AM - 09:35 AM	57.6	50.4
04:15 AM - 04:20 AM	54.0	52.7	06:55 AM - 07:00 AM	54.4	52.3	09:35 AM - 09:40 AM	52.6	50.6
04:20 AM - 04:25 AM	54.0	53.4	07:00 AM - 07:05 AM	55.3	52.4	09:40 AM - 09:45 AM	55.6	52.1
04:25 AM - 04:30 AM	54.3	53.7	07:05 AM - 07:10 AM	58.0	52.4	09:45 AM - 09:50 AM	53.6	51.4
04:30 AM - 04:35 AM	54.4	53.6	07:10 AM - 07:15 AM	54.5	52.2	09:50 AM - 09:55 AM	53.7	51.5
04:35 AM - 04:40 AM	54.4	53.8	07:15 AM - 07:20 AM	55.5	51.9	09:55 AM - 10:00 AM	53.3	51.1
04:40 AM - 04:45 AM	54.7	54.1	07:20 AM - 07:25 AM	53.9	52.2	10:00 AM - 10:05 AM	53.1	50.9
04:45 AM - 04:50 AM	54.7	54.1	07:25 AM - 07:30 AM	54.1	51.3	10:05 AM - 10:10 AM	53.3	51.7
04:50 AM - 04:55 AM	54.6	54.1	07:30 AM - 07:35 AM	53.9	51.5	10:10 AM - 10:15 AM	53.0	51.4
04:55 AM - 05:00 AM	54.6	54.1	07:35 AM - 07:40 AM	55.4	51.1	10:15 AM - 10:20 AM	52.2	49.7
05:00 AM - 05:05 AM	54.9	54.2	07:40 AM - 07:45 AM	54.3	51.1	10:20 AM - 10:25 AM	52.2	49.9
05:05 AM - 05:10 AM	55.2	54.2	07:45 AM - 07:50 AM	55.0	50.8	10:25 AM - 10:30 AM	52.1	50.1
05:10 AM - 05:15 AM	54.7	54.1	07:50 AM - 07:55 AM	54.8	50.6	10:30 AM - 10:35 AM	52.7	50.9
05:15 AM - 05:20 AM	55.0	54.3	07:55 AM - 08:00 AM	56.7	50.7	10:35 AM - 10:40 AM	59.6	51.6
05:20 AM - 05:25 AM	54.8	54.2	08:00 AM - 08:05 AM	51.2	49.8	10:40 AM - 10:45 AM	55.4	52.4
05:25 AM - 05:30 AM	54.7	54.1	08:05 AM - 08:10 AM	52.7	50.5	10:45 AM - 10:50 AM	53.7	51.9
05:30 AM - 05:35 AM	55.1	54.1	08:10 AM - 08:15 AM	54.2	50.5	10:50 AM - 10:55 AM	53.2	50.8
05:35 AM - 05:40 AM	54.6	53.8	08:15 AM - 08:20 AM	51.8	49.2	10:55 AM - 11:00 AM	53.5	50.5

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102380-1

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Page 1 of 3

Sample Number 2485391-10
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date Aug 28 - Aug 29, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Aug 28, 2024			Aug 28, 2024			Aug 28, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	53.9	51.9	01:40 PM - 01:45 PM	53.3	51.3	04:20 PM - 04:25 PM	54.2	52.2
11:05 AM - 11:10 AM	55.0	51.8	01:45 PM - 01:50 PM	52.9	49.9	04:25 PM - 04:30 PM	54.2	52.4
11:10 AM - 11:15 AM	55.5	51.7	01:50 PM - 01:55 PM	52.5	50.2	04:30 PM - 04:35 PM	58.0	53.6
11:15 AM - 11:20 AM	53.8	51.3	01:55 PM - 02:00 PM	52.5	50.4	04:35 PM - 04:40 PM	58.3	55.2
11:20 AM - 11:25 AM	52.4	50.0	02:00 PM - 02:05 PM	53.1	50.8	04:40 PM - 04:45 PM	57.7	54.9
11:25 AM - 11:30 AM	58.5	51.4	02:05 PM - 02:10 PM	52.4	49.9	04:45 PM - 04:50 PM	57.4	53.1
11:30 AM - 11:35 AM	53.8	51.0	02:10 PM - 02:15 PM	54.1	50.7	04:50 PM - 04:55 PM	56.2	53.5
11:35 AM - 11:40 AM	53.6	51.1	02:15 PM - 02:20 PM	54.3	51.0	04:55 PM - 05:00 PM	55.4	52.8
11:40 AM - 11:45 AM	54.3	51.9	02:20 PM - 02:25 PM	53.8	50.4	05:00 PM - 05:05 PM	55.0	52.9
11:45 AM - 11:50 AM	60.1	51.9	02:25 PM - 02:30 PM	52.0	50.0	05:05 PM - 05:10 PM	57.0	53.6
11:50 AM - 11:55 AM	53.3	51.3	02:30 PM - 02:35 PM	52.4	50.3	05:10 PM - 05:15 PM	55.8	53.2
11:55 AM - 12:00 PM	53.0	50.9	02:35 PM - 02:40 PM	53.1	50.8	05:15 PM - 05:20 PM	55.9	52.8
12:00 PM - 12:05 PM	55.8	52.7	02:40 PM - 02:45 PM	54.2	51.2	05:20 PM - 05:25 PM	54.7	52.4
12:05 PM - 12:10 PM	55.1	52.5	02:45 PM - 02:50 PM	55.2	50.8	05:25 PM - 05:30 PM	55.5	51.9
12:10 PM - 12:15 PM	55.5	52.7	02:50 PM - 02:55 PM	52.8	51.4	05:30 PM - 05:35 PM	54.5	52.3
12:15 PM - 12:20 PM	55.4	52.6	02:55 PM - 03:00 PM	53.5	51.4	05:35 PM - 05:40 PM	54.4	52.2
12:20 PM - 12:25 PM	53.0	50.5	03:00 PM - 03:05 PM	53.2	50.9	05:40 PM - 05:45 PM	54.1	51.4
12:25 PM - 12:30 PM	53.5	50.0	03:05 PM - 03:10 PM	55.4	52.7	05:45 PM - 05:50 PM	54.8	52.1
12:30 PM - 12:35 PM	53.1	51.2	03:10 PM - 03:15 PM	55.9	52.7	05:50 PM - 05:55 PM	55.2	52.6
12:35 PM - 12:40 PM	52.9	51.1	03:15 PM - 03:20 PM	53.3	50.9	05:55 PM - 06:00 PM	55.0	52.1
12:40 PM - 12:45 PM	53.3	51.1	03:20 PM - 03:25 PM	54.7	51.5	06:00 PM - 06:05 PM	55.7	53.4
12:45 PM - 12:50 PM	53.6	50.9	03:25 PM - 03:30 PM	53.1	50.3	06:05 PM - 06:10 PM	57.6	53.3
12:50 PM - 12:55 PM	54.6	51.7	03:30 PM - 03:35 PM	54.1	51.3	06:10 PM - 06:15 PM	56.0	52.9
12:55 PM - 01:00 PM	53.8	51.8	03:35 PM - 03:40 PM	53.3	51.3	06:15 PM - 06:20 PM	55.0	52.1
01:00 PM - 01:05 PM	56.6	51.8	03:40 PM - 03:45 PM	53.9	51.8	06:20 PM - 06:25 PM	57.0	52.8
01:05 PM - 01:10 PM	55.2	51.7	03:45 PM - 03:50 PM	54.2	52.5	06:25 PM - 06:30 PM	53.4	51.7
01:10 PM - 01:15 PM	55.6	52.2	03:50 PM - 03:55 PM	54.8	52.0	06:30 PM - 06:35 PM	53.4	51.5
01:15 PM - 01:20 PM	53.8	50.9	03:55 PM - 04:00 PM	54.7	52.7	06:35 PM - 06:40 PM	55.5	52.2
01:20 PM - 01:25 PM	53.6	50.7	04:00 PM - 04:05 PM	54.3	52.5	06:40 PM - 06:45 PM	54.9	52.8
01:25 PM - 01:30 PM	55.3	50.4	04:05 PM - 04:10 PM	54.5	51.7	06:45 PM - 06:50 PM	54.6	52.9
01:30 PM - 01:35 PM	55.8	51.8	04:10 PM - 04:15 PM	55.3	53.4	06:50 PM - 06:55 PM	54.7	52.9
01:35 PM - 01:40 PM	56.2	51.1	04:15 PM - 04:20 PM	53.7	51.6	06:55 PM - 07:00 PM	55.7	52.0

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102380-1

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Page 2 of 3

Sample Number 2485391-10
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date Aug 28 - Aug 29, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Aug 28, 2024			Aug 28 - Aug 29, 2024			Aug 29, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	54.9	52.9	09:40 PM - 09:45 PM	53.6	51.1	12:20 AM - 12:25 AM	51.1	47.9
07:05 PM - 07:10 PM	56.3	52.1	09:45 PM - 09:50 PM	53.6	51.5	12:25 AM - 12:30 AM	48.0	46.7
07:10 PM - 07:15 PM	57.2	54.5	09:50 PM - 09:55 PM	53.3	49.7	12:30 AM - 12:35 AM	49.6	47.0
07:15 PM - 07:20 PM	55.1	52.9	09:55 PM - 10:00 PM	51.3	49.6	12:35 AM - 12:40 AM	50.0	46.6
07:20 PM - 07:25 PM	54.3	52.4	10:00 PM - 10:05 PM	51.5	49.3	12:40 AM - 12:45 AM	48.8	47.0
07:25 PM - 07:30 PM	55.5	52.0	10:05 PM - 10:10 PM	51.6	49.5	12:45 AM - 12:50 AM	50.3	47.3
07:30 PM - 07:35 PM	53.8	51.1	10:10 PM - 10:15 PM	50.7	48.6	12:50 AM - 12:55 AM	51.5	47.3
07:35 PM - 07:40 PM	55.8	53.1	10:15 PM - 10:20 PM	51.1	48.5	12:55 AM - 01:00 AM	54.7	47.3
07:40 PM - 07:45 PM	55.2	52.4	10:20 PM - 10:25 PM	52.1	49.8	01:00 AM - 01:05 AM	49.5	47.7
07:45 PM - 07:50 PM	53.8	51.4	10:25 PM - 10:30 PM	52.2	49.8	01:05 AM - 01:10 AM	50.3	48.4
07:50 PM - 07:55 PM	52.9	50.6	10:30 PM - 10:35 PM	50.6	48.8	01:10 AM - 01:15 AM	48.8	47.4
07:55 PM - 08:00 PM	54.1	51.5	10:35 PM - 10:40 PM	53.0	50.8	01:15 AM - 01:20 AM	47.9	46.5
08:00 PM - 08:05 PM	54.1	51.2	10:40 PM - 10:45 PM	52.3	49.4	01:20 AM - 01:25 AM	48.2	47.2
08:05 PM - 08:10 PM	54.5	51.9	10:45 PM - 10:50 PM	54.6	51.0	01:25 AM - 01:30 AM	53.5	48.0
08:10 PM - 08:15 PM	55.0	52.4	10:50 PM - 10:55 PM	53.1	49.6	01:30 AM - 01:35 AM	50.5	47.5
08:15 PM - 08:20 PM	55.8	51.0	10:55 PM - 11:00 PM	53.9	49.4	01:35 AM - 01:40 AM	53.9	47.8
08:20 PM - 08:25 PM	53.9	51.6	11:00 PM - 11:05 PM	52.3	49.4	01:40 AM - 01:45 AM	50.2	47.1
08:25 PM - 08:30 PM	53.4	51.3	11:05 PM - 11:10 PM	55.2	50.3	01:45 AM - 01:50 AM	47.7	46.9
08:30 PM - 08:35 PM	55.0	51.0	11:10 PM - 11:15 PM	53.6	50.1	01:50 AM - 01:55 AM	49.0	46.6
08:35 PM - 08:40 PM	53.1	50.6	11:15 PM - 11:20 PM	52.2	47.9	01:55 AM - 02:00 AM	49.4	47.2
08:40 PM - 08:45 PM	52.8	50.7	11:20 PM - 11:25 PM	50.1	48.2	02:00 AM - 02:05 AM	48.5	47.3
08:45 PM - 08:50 PM	54.1	51.0	11:25 PM - 11:30 PM	50.3	48.4	02:05 AM - 02:10 AM	48.8	47.1
08:50 PM - 08:55 PM	52.9	50.8	11:30 PM - 11:35 PM	50.7	48.6	02:10 AM - 02:15 AM	47.7	46.9
08:55 PM - 09:00 PM	53.8	50.6	11:35 PM - 11:40 PM	52.1	49.3	02:15 AM - 02:20 AM	48.8	47.4
09:00 PM - 09:05 PM	52.8	50.8	11:40 PM - 11:45 PM	50.5	49.0	02:20 AM - 02:25 AM	48.0	46.9
09:05 PM - 09:10 PM	53.5	51.8	11:45 PM - 11:50 PM	50.7	48.9	02:25 AM - 02:30 AM	47.7	46.3
09:10 PM - 09:15 PM	53.4	51.0	11:50 PM - 11:55 PM	52.1	48.6	02:30 AM - 02:35 AM	47.0	46.0
09:15 PM - 09:20 PM	54.2	50.1	11:55 PM - 12:00 AM	51.5	48.4	02:35 AM - 02:40 AM	50.8	46.7
09:20 PM - 09:25 PM	55.0	50.4	12:00 AM - 12:05 AM	50.4	48.6	02:40 AM - 02:45 AM	49.0	47.1
09:25 PM - 09:30 PM	53.1	50.7	12:05 AM - 12:10 AM	50.9	47.6	02:45 AM - 02:50 AM	47.3	46.4
09:30 PM - 09:35 PM	52.6	50.8	12:10 AM - 12:15 AM	50.3	48.3	02:50 AM - 02:55 AM	48.0	46.4
09:35 PM - 09:40 PM	54.0	51.4	12:15 AM - 12:20 AM	50.9	47.8	02:55 AM - 03:00 AM	48.4	46.7

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102380-1

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

Page 3 of 3

Sample Number : 2485391-10
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date : Aug 28 - Aug 29, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Aug 29, 2024	Leq	L90	Aug 29, 2024	Leq	L90	Aug 29, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
03:00 AM - 03:05 AM	47.7	46.5	05:40 AM - 05:45 AM	54.4	52.3	08:20 AM - 08:25 AM	52.7	49.2
03:05 AM - 03:10 AM	46.4	45.5	05:45 AM - 05:50 AM	53.0	51.9	08:25 AM - 08:30 AM	54.3	49.7
03:10 AM - 03:15 AM	47.7	46.0	05:50 AM - 05:55 AM	52.4	51.1	08:30 AM - 08:35 AM	53.8	50.4
03:15 AM - 03:20 AM	47.2	46.1	05:55 AM - 06:00 AM	53.1	50.6	08:35 AM - 08:40 AM	59.6	54.1
03:20 AM - 03:25 AM	47.4	46.2	06:00 AM - 06:05 AM	52.7	51.4	08:40 AM - 08:45 AM	53.2	51.7
03:25 AM - 03:30 AM	47.3	46.4	06:05 AM - 06:10 AM	52.5	50.7	08:45 AM - 08:50 AM	63.3	54.7
03:30 AM - 03:35 AM	46.7	45.9	06:10 AM - 06:15 AM	54.0	51.2	08:50 AM - 08:55 AM	63.1	58.1
03:35 AM - 03:40 AM	47.5	46.4	06:15 AM - 06:20 AM	53.3	51.2	08:55 AM - 09:00 AM	70.8	63.8
03:40 AM - 03:45 AM	47.4	45.6	06:20 AM - 06:25 AM	53.2	52.0	09:00 AM - 09:05 AM	68.0	60.1
03:45 AM - 03:50 AM	46.4	45.2	06:25 AM - 06:30 AM	55.2	50.9	09:05 AM - 09:10 AM	56.9	55.5
03:50 AM - 03:55 AM	49.1	46.4	06:30 AM - 06:35 AM	53.5	51.2	09:10 AM - 09:15 AM	56.5	55.1
03:55 AM - 04:00 AM	48.2	46.5	06:35 AM - 06:40 AM	54.2	51.6	09:15 AM - 09:20 AM	55.9	55.1
04:00 AM - 04:05 AM	49.4	46.2	06:40 AM - 06:45 AM	56.3	52.3	09:20 AM - 09:25 AM	56.3	55.1
04:05 AM - 04:10 AM	47.6	46.4	06:45 AM - 06:50 AM	55.9	52.2	09:25 AM - 09:30 AM	55.6	54.7
04:10 AM - 04:15 AM	47.8	46.2	06:50 AM - 06:55 AM	54.7	52.8	09:30 AM - 09:35 AM	55.8	54.3
04:15 AM - 04:20 AM	48.7	47.0	06:55 AM - 07:00 AM	56.1	53.6	09:35 AM - 09:40 AM	55.0	53.2
04:20 AM - 04:25 AM	48.4	46.5	07:00 AM - 07:05 AM	54.8	52.3	09:40 AM - 09:45 AM	54.2	52.3
04:25 AM - 04:30 AM	50.5	48.4	07:05 AM - 07:10 AM	54.8	52.0	09:45 AM - 09:50 AM	54.2	52.6
04:30 AM - 04:35 AM	49.4	48.0	07:10 AM - 07:15 AM	56.6	53.3	09:50 AM - 09:55 AM	53.5	52.2
04:35 AM - 04:40 AM	49.2	47.3	07:15 AM - 07:20 AM	55.9	52.2	09:55 AM - 10:00 AM	53.4	52.1
04:40 AM - 04:45 AM	49.5	47.1	07:20 AM - 07:25 AM	57.1	52.6	10:00 AM - 10:05 AM	53.7	52.5
04:45 AM - 04:50 AM	49.1	47.4	07:25 AM - 07:30 AM	54.8	51.3	10:05 AM - 10:10 AM	54.8	53.3
04:50 AM - 04:55 AM	48.6	47.1	07:30 AM - 07:35 AM	54.0	51.6	10:10 AM - 10:15 AM	69.2	54.8
04:55 AM - 05:00 AM	49.6	47.6	07:35 AM - 07:40 AM	56.2	52.7	10:15 AM - 10:20 AM	75.2	69.2
05:00 AM - 05:05 AM	49.7	47.7	07:40 AM - 07:45 AM	54.1	51.9	10:20 AM - 10:25 AM	75.5	73.0
05:05 AM - 05:10 AM	48.8	47.4	07:45 AM - 07:50 AM	55.9	52.3	10:25 AM - 10:30 AM	72.2	70.6
05:10 AM - 05:15 AM	50.1	48.0	07:50 AM - 07:55 AM	61.0	52.4	10:30 AM - 10:35 AM	69.5	67.9
05:15 AM - 05:20 AM	59.5	48.7	07:55 AM - 08:00 AM	56.6	51.7	10:35 AM - 10:40 AM	66.8	66.1
05:20 AM - 05:25 AM	69.1	58.4	08:00 AM - 08:05 AM	53.8	51.2	10:40 AM - 10:45 AM	65.6	65.2
05:25 AM - 05:30 AM	53.7	51.3	08:05 AM - 08:10 AM	53.5	51.5	10:45 AM - 10:50 AM	64.7	64.3
05:30 AM - 05:35 AM	59.3	51.0	08:10 AM - 08:15 AM	53.3	50.2	10:50 AM - 10:55 AM	64.4	64.0
05:35 AM - 05:40 AM	61.1	56.1	08:15 AM - 08:20 AM	52.5	50.0	10:55 AM - 11:00 AM	63.8	63.4

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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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102381-1

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

Page 1 of 3

Sample Number : 2485391-11
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date : Aug 29 - Aug 30, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Aug 29, 2024	Leq	L90	Aug 29, 2024	Leq	L90	Aug 29, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	63.7	63.3	01:40 PM - 01:45 PM	58.6	57.5	04:20 PM - 04:25 PM	64.9	64.1
11:05 AM - 11:10 AM	64.1	63.8	01:45 PM - 01:50 PM	57.9	57.0	04:25 PM - 04:30 PM	64.1	63.6
11:10 AM - 11:15 AM	64.1	63.5	01:50 PM - 01:55 PM	58.1	56.5	04:30 PM - 04:35 PM	63.9	63.5
11:15 AM - 11:20 AM	63.4	63.0	01:55 PM - 02:00 PM	57.6	56.4	04:35 PM - 04:40 PM	64.4	63.8
11:20 AM - 11:25 AM	63.1	62.7	02:00 PM - 02:05 PM	56.6	55.8	04:40 PM - 04:45 PM	65.1	63.6
11:25 AM - 11:30 AM	63.1	62.7	02:05 PM - 02:10 PM	58.6	56.0	04:45 PM - 04:50 PM	64.4	63.7
11:30 AM - 11:35 AM	63.1	62.7	02:10 PM - 02:15 PM	57.2	56.0	04:50 PM - 04:55 PM	65.0	64.5
11:35 AM - 11:40 AM	63.6	63.1	02:15 PM - 02:20 PM	56.4	55.3	04:55 PM - 05:00 PM	64.1	63.4
11:40 AM - 11:45 AM	63.4	62.7	02:20 PM - 02:25 PM	56.2	55.2	05:00 PM - 05:05 PM	62.7	62.1
11:45 AM - 11:50 AM	62.6	62.2	02:25 PM - 02:30 PM	56.2	55.1	05:05 PM - 05:10 PM	62.3	61.4
11:50 AM - 11:55 AM	62.9	62.4	02:30 PM - 02:35 PM	56.5	55.1	05:10 PM - 05:15 PM	62.0	61.1
11:55 AM - 12:00 PM	62.6	62.3	02:35 PM - 02:40 PM	55.7	54.7	05:15 PM - 05:20 PM	61.2	60.3
12:00 PM - 12:05 PM	63.1	62.4	02:40 PM - 02:45 PM	55.9	54.8	05:20 PM - 05:25 PM	60.6	59.9
12:05 PM - 12:10 PM	62.1	61.2	02:45 PM - 02:50 PM	55.8	54.7	05:25 PM - 05:30 PM	60.3	59.5
12:10 PM - 12:15 PM	61.1	51.9	02:50 PM - 02:55 PM	56.6	55.3	05:30 PM - 05:35 PM	60.0	59.3
12:15 PM - 12:20 PM	60.7	55.5	02:55 PM - 03:00 PM	56.6	54.6	05:35 PM - 05:40 PM	59.6	58.7
12:20 PM - 12:25 PM	61.1	60.5	03:00 PM - 03:05 PM	55.6	54.6	05:40 PM - 05:45 PM	59.2	58.4
12:25 PM - 12:30 PM	61.8	61.4	03:05 PM - 03:10 PM	60.7	55.5	05:45 PM - 05:50 PM	59.5	58.4
12:30 PM - 12:35 PM	61.9	61.3	03:10 PM - 03:15 PM	72.0	56.5	05:50 PM - 05:55 PM	59.7	58.1
12:35 PM - 12:40 PM	71.0	62.3	03:15 PM - 03:20 PM	71.0	62.3	05:55 PM - 06:00 PM	59.7	58.2
12:40 PM - 12:45 PM	61.5	60.7	03:20 PM - 03:25 PM	73.0	71.8	06:00 PM - 06:05 PM	59.0	57.8
12:45 PM - 12:50 PM	61.2	60.5	03:25 PM - 03:30 PM	68.9	68.1	06:05 PM - 06:10 PM	58.6	57.3
12:50 PM - 12:55 PM	60.8	60.2	03:30 PM - 03:35 PM	66.9	65.9	06:10 PM - 06:15 PM	59.4	57.5
12:55 PM - 01:00 PM	60.4	59.7	03:35 PM - 03:40 PM	65.4	64.0	06:15 PM - 06:20 PM	57.9	57.1
01:00 PM - 01:05 PM	60.5	59.5	03:40 PM - 03:45 PM	63.8	63.2	06:20 PM - 06:25 PM	57.5	56.9
01:05 PM - 01:10 PM	60.0	59.2	03:45 PM - 03:50 PM	63.0	62.3	06:25 PM - 06:30 PM	57.9	56.8
01:10 PM - 01:15 PM	59.5	58.9	03:50 PM - 03:55 PM	62.6	62.1	06:30 PM - 06:35 PM	57.5	56.7
01:15 PM - 01:20 PM	59.3	58.7	03:55 PM - 04:00 PM	64.1	63.6	06:35 PM - 06:40 PM	57.7	56.7
01:20 PM - 01:25 PM	59.3	58.6	04:00 PM - 04:05 PM	65.0	64.3	06:40 PM - 06:45 PM	57.6	56.8
01:25 PM - 01:30 PM	59.7	58.7	04:05 PM - 04:10 PM	65.9	65.4	06:45 PM - 06:50 PM	57.1	56.2
01:30 PM - 01:35 PM	66.3	58.4	04:10 PM - 04:15 PM	66.3	65.8	06:50 PM - 06:55 PM	57.1	56.1
01:35 PM - 01:40 PM	59.5	58.2	04:15 PM - 04:20 PM	65.6	64.9	06:55 PM - 07:00 PM	57.2	56.1

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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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102381-1

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

Page 2 of 3

Sample Number : 2485391-11
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date : Aug 29 - Aug 30, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Aug 29, 2024			Aug 29 - Aug 30, 2024			Aug 30, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	57.2	56.1	09:40 PM - 09:45 PM	52.9	52.0	12:20 AM - 12:25 AM	51.8	49.9
07:05 PM - 07:10 PM	57.3	56.0	09:45 PM - 09:50 PM	52.9	51.7	12:25 AM - 12:30 AM	55.2	50.8
07:10 PM - 07:15 PM	57.1	56.2	09:50 PM - 09:55 PM	52.6	51.8	12:30 AM - 12:35 AM	57.4	53.8
07:15 PM - 07:20 PM	57.0	55.8	09:55 PM - 10:00 PM	53.6	51.8	12:35 AM - 12:40 AM	57.3	53.7
07:20 PM - 07:25 PM	57.4	55.7	10:00 PM - 10:05 PM	54.3	52.1	12:40 AM - 12:45 AM	55.2	52.6
07:25 PM - 07:30 PM	56.8	55.7	10:05 PM - 10:10 PM	53.1	52.0	12:45 AM - 12:50 AM	54.8	52.5
07:30 PM - 07:35 PM	56.9	55.6	10:10 PM - 10:15 PM	52.7	52.0	12:50 AM - 12:55 AM	54.5	51.1
07:35 PM - 07:40 PM	56.6	55.7	10:15 PM - 10:20 PM	53.1	51.9	12:55 AM - 01:00 AM	54.3	51.4
07:40 PM - 07:45 PM	56.2	55.4	10:20 PM - 10:25 PM	53.0	51.9	01:00 AM - 01:05 AM	53.5	50.7
07:45 PM - 07:50 PM	56.2	55.2	10:25 PM - 10:30 PM	53.4	52.2	01:05 AM - 01:10 AM	52.4	50.6
07:50 PM - 07:55 PM	56.0	55.0	10:30 PM - 10:35 PM	53.9	52.7	01:10 AM - 01:15 AM	52.8	50.0
07:55 PM - 08:00 PM	55.6	54.7	10:35 PM - 10:40 PM	55.3	52.9	01:15 AM - 01:20 AM	53.1	51.1
08:00 PM - 08:05 PM	55.7	54.9	10:40 PM - 10:45 PM	54.3	52.6	01:20 AM - 01:25 AM	53.5	50.9
08:05 PM - 08:10 PM	56.6	55.3	10:45 PM - 10:50 PM	55.0	52.7	01:25 AM - 01:30 AM	52.5	49.3
08:10 PM - 08:15 PM	56.8	55.1	10:50 PM - 10:55 PM	53.6	52.5	01:30 AM - 01:35 AM	52.7	50.4
08:15 PM - 08:20 PM	56.0	54.8	10:55 PM - 11:00 PM	53.1	52.3	01:35 AM - 01:40 AM	52.0	49.4
08:20 PM - 08:25 PM	56.3	54.8	11:00 PM - 11:05 PM	52.6	51.9	01:40 AM - 01:45 AM	51.7	49.4
08:25 PM - 08:30 PM	56.1	54.3	11:05 PM - 11:10 PM	52.8	51.8	01:45 AM - 01:50 AM	53.0	50.9
08:30 PM - 08:35 PM	55.5	54.2	11:10 PM - 11:15 PM	52.9	51.7	01:50 AM - 01:55 AM	52.2	49.9
08:35 PM - 08:40 PM	54.7	53.8	11:15 PM - 11:20 PM	52.3	51.5	01:55 AM - 02:00 AM	50.8	49.2
08:40 PM - 08:45 PM	56.0	53.6	11:20 PM - 11:25 PM	54.1	51.8	02:00 AM - 02:05 AM	51.6	49.2
08:45 PM - 08:50 PM	54.6	53.2	11:25 PM - 11:30 PM	53.5	52.4	02:05 AM - 02:10 AM	51.8	49.6
08:50 PM - 08:55 PM	54.3	53.4	11:30 PM - 11:35 PM	53.9	51.9	02:10 AM - 02:15 AM	52.9	49.9
08:55 PM - 09:00 PM	54.4	53.3	11:35 PM - 11:40 PM	53.0	51.6	02:15 AM - 02:20 AM	51.5	49.2
09:00 PM - 09:05 PM	53.8	53.0	11:40 PM - 11:45 PM	54.6	51.0	02:20 AM - 02:25 AM	54.1	49.2
09:05 PM - 09:10 PM	55.0	53.1	11:45 PM - 11:50 PM	54.7	51.1	02:25 AM - 02:30 AM	50.7	49.3
09:10 PM - 09:15 PM	54.3	52.9	11:50 PM - 11:55 PM	51.7	50.6	02:30 AM - 02:35 AM	51.8	49.2
09:15 PM - 09:20 PM	54.1	52.3	11:55 PM - 12:00 AM	54.3	51.8	02:35 AM - 02:40 AM	50.8	48.8
09:20 PM - 09:25 PM	55.6	52.2	12:00 AM - 12:05 AM	54.0	51.0	02:40 AM - 02:45 AM	56.1	49.8
09:25 PM - 09:30 PM	53.2	52.0	12:05 AM - 12:10 AM	52.7	51.3	02:45 AM - 02:50 AM	52.1	48.6
09:30 PM - 09:35 PM	54.2	52.1	12:10 AM - 12:15 AM	53.2	50.9	02:50 AM - 02:55 AM	49.5	48.2
09:35 PM - 09:40 PM	53.5	52.2	12:15 AM - 12:20 AM	52.5	50.4	02:55 AM - 03:00 AM	50.9	48.7

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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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102381-1

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

Page 3 of 3

Sample Number : 2485391-11
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date : Aug 29 - Aug 30, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Aug 30, 2024			Aug 30, 2024			Aug 30, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	51.1	49.1	05:40 AM - 05:45 AM	51.6	49.7	08:20 AM - 08:25 AM	53.8	51.7
03:05 AM - 03:10 AM	50.1	48.1	05:45 AM - 05:50 AM	52.9	50.3	08:25 AM - 08:30 AM	54.2	51.7
03:10 AM - 03:15 AM	50.2	48.9	05:50 AM - 05:55 AM	52.2	49.9	08:30 AM - 08:35 AM	55.5	52.7
03:15 AM - 03:20 AM	50.5	49.0	05:55 AM - 06:00 AM	51.8	49.8	08:35 AM - 08:40 AM	55.4	52.7
03:20 AM - 03:25 AM	50.5	48.6	06:00 AM - 06:05 AM	53.9	50.9	08:40 AM - 08:45 AM	55.3	51.9
03:25 AM - 03:30 AM	49.3	48.0	06:05 AM - 06:10 AM	53.1	51.1	08:45 AM - 08:50 AM	52.8	50.9
03:30 AM - 03:35 AM	50.7	48.8	06:10 AM - 06:15 AM	53.1	50.9	08:50 AM - 08:55 AM	57.8	53.5
03:35 AM - 03:40 AM	50.1	47.9	06:15 AM - 06:20 AM	53.8	51.5	08:55 AM - 09:00 AM	52.5	50.3
03:40 AM - 03:45 AM	49.6	48.0	06:20 AM - 06:25 AM	55.7	52.0	09:00 AM - 09:05 AM	53.0	50.5
03:45 AM - 03:50 AM	50.1	48.7	06:25 AM - 06:30 AM	54.5	52.6	09:05 AM - 09:10 AM	52.7	50.4
03:50 AM - 03:55 AM	49.4	48.4	06:30 AM - 06:35 AM	55.1	52.8	09:10 AM - 09:15 AM	55.7	52.3
03:55 AM - 04:00 AM	51.7	48.0	06:35 AM - 06:40 AM	55.7	53.2	09:15 AM - 09:20 AM	57.2	54.2
04:00 AM - 04:05 AM	48.7	47.3	06:40 AM - 06:45 AM	54.5	52.9	09:20 AM - 09:25 AM	58.4	54.0
04:05 AM - 04:10 AM	48.8	47.6	06:45 AM - 06:50 AM	56.3	53.0	09:25 AM - 09:30 AM	54.0	51.4
04:10 AM - 04:15 AM	49.2	48.0	06:50 AM - 06:55 AM	55.3	53.2	09:30 AM - 09:35 AM	53.1	50.5
04:15 AM - 04:20 AM	49.6	47.7	06:55 AM - 07:00 AM	56.3	53.7	09:35 AM - 09:40 AM	52.7	49.7
04:20 AM - 04:25 AM	48.5	47.5	07:00 AM - 07:05 AM	55.7	53.3	09:40 AM - 09:45 AM	53.1	50.3
04:25 AM - 04:30 AM	48.6	47.6	07:05 AM - 07:10 AM	55.7	53.1	09:45 AM - 09:50 AM	54.5	51.0
04:30 AM - 04:35 AM	51.1	48.0	07:10 AM - 07:15 AM	60.9	54.2	09:50 AM - 09:55 AM	53.6	50.8
04:35 AM - 04:40 AM	48.9	47.5	07:15 AM - 07:20 AM	59.0	53.5	09:55 AM - 10:00 AM	54.3	51.4
04:40 AM - 04:45 AM	49.8	47.9	07:20 AM - 07:25 AM	59.1	54.2	10:00 AM - 10:05 AM	54.5	50.7
04:45 AM - 04:50 AM	49.4	48.0	07:25 AM - 07:30 AM	55.9	53.3	10:05 AM - 10:10 AM	55.7	51.2
04:50 AM - 04:55 AM	49.4	48.1	07:30 AM - 07:35 AM	55.3	52.9	10:10 AM - 10:15 AM	56.6	52.2
04:55 AM - 05:00 AM	50.2	48.8	07:35 AM - 07:40 AM	57.1	54.2	10:15 AM - 10:20 AM	55.3	51.8
05:00 AM - 05:05 AM	50.6	48.6	07:40 AM - 07:45 AM	57.0	53.9	10:20 AM - 10:25 AM	52.5	50.5
05:05 AM - 05:10 AM	49.4	48.4	07:45 AM - 07:50 AM	56.0	52.9	10:25 AM - 10:30 AM	53.7	50.9
05:10 AM - 05:15 AM	51.2	49.5	07:50 AM - 07:55 AM	55.6	52.2	10:30 AM - 10:35 AM	54.1	52.1
05:15 AM - 05:20 AM	50.5	49.1	07:55 AM - 08:00 AM	57.2	51.8	10:35 AM - 10:40 AM	54.6	52.3
05:20 AM - 05:25 AM	51.2	49.8	08:00 AM - 08:05 AM	54.9	51.8	10:40 AM - 10:45 AM	54.7	51.8
05:25 AM - 05:30 AM	50.1	48.8	08:05 AM - 08:10 AM	54.6	52.5	10:45 AM - 10:50 AM	54.5	52.2
05:30 AM - 05:35 AM	50.9	49.3	08:10 AM - 08:15 AM	54.5	51.6	10:50 AM - 10:55 AM	54.3	51.4
05:35 AM - 05:40 AM	51.4	49.5	08:15 AM - 08:20 AM	54.9	52.4	10:55 AM - 11:00 AM	57.0	52.9

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Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102382-1

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

Page 1 of 3

Sample Number : 2485391-12
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ท่าเรือ (GPS 47P 0735578, 1402792)
Measurement Date : Aug 30 - Aug 31, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Aug 30, 2024			Aug 30, 2024			Aug 30, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	56.0	52.2	01:40 PM - 01:45 PM	55.6	53.0	04:20 PM - 04:25 PM	54.8	53.0
11:05 AM - 11:10 AM	57.2	52.0	01:45 PM - 01:50 PM	54.5	51.2	04:25 PM - 04:30 PM	53.1	51.4
11:10 AM - 11:15 AM	57.6	53.4	01:50 PM - 01:55 PM	54.1	50.8	04:30 PM - 04:35 PM	57.5	53.8
11:15 AM - 11:20 AM	56.0	53.4	01:55 PM - 02:00 PM	55.3	50.2	04:35 PM - 04:40 PM	58.6	54.9
11:20 AM - 11:25 AM	56.7	52.8	02:00 PM - 02:05 PM	57.5	55.0	04:40 PM - 04:45 PM	57.6	54.6
11:25 AM - 11:30 AM	53.8	51.5	02:05 PM - 02:10 PM	56.5	52.9	04:45 PM - 04:50 PM	56.5	53.1
11:30 AM - 11:35 AM	55.2	51.2	02:10 PM - 02:15 PM	56.4	53.4	04:50 PM - 04:55 PM	55.1	51.6
11:35 AM - 11:40 AM	55.5	52.6	02:15 PM - 02:20 PM	56.1	51.6	04:55 PM - 05:00 PM	53.5	51.0
11:40 AM - 11:45 AM	55.4	51.5	02:20 PM - 02:25 PM	59.1	52.1	05:00 PM - 05:05 PM	52.8	51.3
11:45 AM - 11:50 AM	56.3	53.7	02:25 PM - 02:30 PM	65.9	54.1	05:05 PM - 05:10 PM	56.4	51.9
11:50 AM - 11:55 AM	54.9	52.0	02:30 PM - 02:35 PM	67.5	63.7	05:10 PM - 05:15 PM	55.4	51.9
11:55 AM - 12:00 PM	53.8	51.1	02:35 PM - 02:40 PM	57.8	54.4	05:15 PM - 05:20 PM	53.6	51.5
12:00 PM - 12:05 PM	56.8	53.1	02:40 PM - 02:45 PM	53.9	52.5	05:20 PM - 05:25 PM	53.3	50.8
12:05 PM - 12:10 PM	56.6	53.4	02:45 PM - 02:50 PM	53.8	52.2	05:25 PM - 05:30 PM	54.7	51.7
12:10 PM - 12:15 PM	57.2	54.5	02:50 PM - 02:55 PM	55.5	52.6	05:30 PM - 05:35 PM	53.0	50.8
12:15 PM - 12:20 PM	53.7	49.8	02:55 PM - 03:00 PM	55.5	52.2	05:35 PM - 05:40 PM	53.9	50.3
12:20 PM - 12:25 PM	51.9	50.0	03:00 PM - 03:05 PM	53.9	51.5	05:40 PM - 05:45 PM	53.3	50.4
12:25 PM - 12:30 PM	51.6	49.9	03:05 PM - 03:10 PM	54.5	51.9	05:45 PM - 05:50 PM	53.3	50.7
12:30 PM - 12:35 PM	59.1	49.9	03:10 PM - 03:15 PM	53.3	51.3	05:50 PM - 05:55 PM	53.6	50.3
12:35 PM - 12:40 PM	56.4	51.2	03:15 PM - 03:20 PM	53.2	51.2	05:55 PM - 06:00 PM	53.2	50.8
12:40 PM - 12:45 PM	54.4	51.6	03:20 PM - 03:25 PM	51.9	50.9	06:00 PM - 06:05 PM	53.9	50.0
12:45 PM - 12:50 PM	56.3	51.7	03:25 PM - 03:30 PM	54.2	52.3	06:05 PM - 06:10 PM	55.4	51.7
12:50 PM - 12:55 PM	55.6	52.4	03:30 PM - 03:35 PM	57.6	54.0	06:10 PM - 06:15 PM	57.1	50.4
12:55 PM - 01:00 PM	55.6	52.6	03:35 PM - 03:40 PM	55.3	53.9	06:15 PM - 06:20 PM	55.8	51.1
01:00 PM - 01:05 PM	57.3	52.7	03:40 PM - 03:45 PM	65.9	61.7	06:20 PM - 06:25 PM	54.3	51.3
01:05 PM - 01:10 PM	55.5	52.3	03:45 PM - 03:50 PM	60.9	55.7	06:25 PM - 06:30 PM	52.9	50.1
01:10 PM - 01:15 PM	56.2	51.9	03:50 PM - 03:55 PM	54.0	52.7	06:30 PM - 06:35 PM	54.2	50.7
01:15 PM - 01:20 PM	55.5	54.2	03:55 PM - 04:00 PM	53.5	52.3	06:35 PM - 06:40 PM	53.2	50.5
01:20 PM - 01:25 PM	56.1	53.1	04:00 PM - 04:05 PM	54.4	52.3	06:40 PM - 06:45 PM	53.3	50.7
01:25 PM - 01:30 PM	56.7	52.9	04:05 PM - 04:10 PM	52.9	51.5	06:45 PM - 06:50 PM	52.6	50.2
01:30 PM - 01:35 PM	56.3	53.1	04:10 PM - 04:15 PM	53.4	51.5	06:50 PM - 06:55 PM	53.0	50.0
01:35 PM - 01:40 PM	54.1	51.5	04:15 PM - 04:20 PM	53.9	51.9	06:55 PM - 07:00 PM	51.9	49.8

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Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102382-1

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

Page 2 of 3

Sample Number : 2485391-12
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ท่าเรือ (GPS 47P 0735578, 1402792)
Measurement Date : Aug 30 - Aug 31, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Aug 30, 2024			Aug 30 - Aug 31, 2024			Aug 31, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	54.1	49.6	09:40 PM - 09:45 PM	50.8	48.1	12:20 AM - 12:25 AM	50.2	47.6
07:05 PM - 07:10 PM	53.8	51.0	09:45 PM - 09:50 PM	52.3	48.3	12:25 AM - 12:30 AM	48.8	47.2
07:10 PM - 07:15 PM	53.8	50.0	09:50 PM - 09:55 PM	49.7	47.8	12:30 AM - 12:35 AM	48.6	47.0
07:15 PM - 07:20 PM	52.3	49.9	09:55 PM - 10:00 PM	52.3	48.2	12:35 AM - 12:40 AM	51.9	46.9
07:20 PM - 07:25 PM	52.5	49.9	10:00 PM - 10:05 PM	50.2	48.5	12:40 AM - 12:45 AM	48.2	46.8
07:25 PM - 07:30 PM	54.5	49.9	10:05 PM - 10:10 PM	53.2	48.6	12:45 AM - 12:50 AM	48.0	47.1
07:30 PM - 07:35 PM	53.0	48.8	10:10 PM - 10:15 PM	56.8	47.9	12:50 AM - 12:55 AM	50.9	47.2
07:35 PM - 07:40 PM	52.0	49.0	10:15 PM - 10:20 PM	51.3	48.2	12:55 AM - 01:00 AM	47.8	46.8
07:40 PM - 07:45 PM	53.4	49.4	10:20 PM - 10:25 PM	49.7	48.5	01:00 AM - 01:05 AM	49.3	47.2
07:45 PM - 07:50 PM	51.3	48.7	10:25 PM - 10:30 PM	50.3	48.0	01:05 AM - 01:10 AM	48.7	47.0
07:50 PM - 07:55 PM	53.2	48.7	10:30 PM - 10:35 PM	50.0	48.5	01:10 AM - 01:15 AM	48.4	47.1
07:55 PM - 08:00 PM	51.2	48.7	10:35 PM - 10:40 PM	50.8	48.5	01:15 AM - 01:20 AM	50.2	47.0
08:00 PM - 08:05 PM	50.4	48.9	10:40 PM - 10:45 PM	50.7	48.7	01:20 AM - 01:25 AM	48.5	46.4
08:05 PM - 08:10 PM	52.2	49.0	10:45 PM - 10:50 PM	49.7	47.9	01:25 AM - 01:30 AM	50.7	47.4
08:10 PM - 08:15 PM	53.7	50.3	10:50 PM - 10:55 PM	49.9	48.1	01:30 AM - 01:35 AM	48.0	46.7
08:15 PM - 08:20 PM	51.9	49.7	10:55 PM - 11:00 PM	50.1	48.0	01:35 AM - 01:40 AM	49.0	47.0
08:20 PM - 08:25 PM	52.5	48.7	11:00 PM - 11:05 PM	51.9	49.6	01:40 AM - 01:45 AM	48.6	46.8
08:25 PM - 08:30 PM	51.5	48.3	11:05 PM - 11:10 PM	51.1	49.4	01:45 AM - 01:50 AM	48.6	47.2
08:30 PM - 08:35 PM	58.2	48.7	11:10 PM - 11:15 PM	52.6	49.5	01:50 AM - 01:55 AM	48.6	46.6
08:35 PM - 08:40 PM	52.8	49.2	11:15 PM - 11:20 PM	52.6	48.3	01:55 AM - 02:00 AM	48.8	46.9
08:40 PM - 08:45 PM	50.7	49.2	11:20 PM - 11:25 PM	51.5	48.0	02:00 AM - 02:05 AM	49.4	47.4
08:45 PM - 08:50 PM	56.3	49.5	11:25 PM - 11:30 PM	51.2	48.0	02:05 AM - 02:10 AM	48.9	47.3
08:50 PM - 08:55 PM	51.7	49.0	11:30 PM - 11:35 PM	50.5	48.4	02:10 AM - 02:15 AM	49.0	47.4
08:55 PM - 09:00 PM	51.8	49.1	11:35 PM - 11:40 PM	54.5	48.9	02:15 AM - 02:20 AM	50.3	47.9
09:00 PM - 09:05 PM	51.5	48.8	11:40 PM - 11:45 PM	50.4	48.7	02:20 AM - 02:25 AM	47.3	46.6
09:05 PM - 09:10 PM	51.0	48.6	11:45 PM - 11:50 PM	50.6	48.4	02:25 AM - 02:30 AM	48.4	46.8
09:10 PM - 09:15 PM	51.6	48.7	11:50 PM - 11:55 PM	49.9	48.6	02:30 AM - 02:35 AM	50.5	48.5
09:15 PM - 09:20 PM	50.6	48.5	11:55 PM - 12:00 AM	57.3	47.9	02:35 AM - 02:40 AM	52.6	49.4
09:20 PM - 09:25 PM	51.6	48.2	12:00 AM - 12:05 AM	49.1	47.6	02:40 AM - 02:45 AM	50.9	48.1
09:25 PM - 09:30 PM	50.0	47.9	12:05 AM - 12:10 AM	48.8	47.6	02:45 AM - 02:50 AM	49.9	48.0
09:30 PM - 09:35 PM	52.5	47.8	12:10 AM - 12:15 AM	49.2	48.0	02:50 AM - 02:55 AM	48.1	47.0
09:35 PM - 09:40 PM	52.9	47.9	12:15 AM - 12:20 AM	48.7	47.5	02:55 AM - 03:00 AM	48.3	47.1

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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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102382-1

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

Page 3 of 3

Sample Number 2485391-12
Parameter Noise Level (Leq 5 min)
Location ฐานตรวจวัด-ด้านโรงรถ (GPS 47P 0735578, 1402792)
Measurement Date Aug 30 - Aug 31, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Aug 31, 2024			Aug 31, 2024			Aug 31, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	47.9	46.9	05:40 AM - 05:45 AM	53.6	48.9	08:20 AM - 08:25 AM	51.5	50.1
03:05 AM - 03:10 AM	48.0	46.3	05:45 AM - 05:50 AM	51.4	49.8	08:25 AM - 08:30 AM	51.8	50.1
03:10 AM - 03:15 AM	49.1	46.8	05:50 AM - 05:55 AM	51.4	49.7	08:30 AM - 08:35 AM	51.6	50.1
03:15 AM - 03:20 AM	48.6	47.5	05:55 AM - 06:00 AM	52.8	49.4	08:35 AM - 08:40 AM	52.0	49.8
03:20 AM - 03:25 AM	48.5	46.9	06:00 AM - 06:05 AM	57.1	49.5	08:40 AM - 08:45 AM	51.5	49.5
03:25 AM - 03:30 AM	49.1	47.8	06:05 AM - 06:10 AM	51.5	49.4	08:45 AM - 08:50 AM	51.0	49.0
03:30 AM - 03:35 AM	49.3	48.3	06:10 AM - 06:15 AM	51.4	49.6	08:50 AM - 08:55 AM	51.1	49.2
03:35 AM - 03:40 AM	50.1	48.9	06:15 AM - 06:20 AM	53.2	50.2	08:55 AM - 09:00 AM	51.9	49.9
03:40 AM - 03:45 AM	54.9	48.4	06:20 AM - 06:25 AM	55.4	50.6	09:00 AM - 09:05 AM	51.7	49.9
03:45 AM - 03:50 AM	50.5	48.4	06:25 AM - 06:30 AM	53.8	51.1	09:05 AM - 09:10 AM	51.2	49.2
03:50 AM - 03:55 AM	49.8	48.4	06:30 AM - 06:35 AM	55.4	51.3	09:10 AM - 09:15 AM	51.3	49.3
03:55 AM - 04:00 AM	48.4	47.6	06:35 AM - 06:40 AM	54.1	51.5	09:15 AM - 09:20 AM	51.3	49.9
04:00 AM - 04:05 AM	50.0	47.7	06:40 AM - 06:45 AM	54.2	50.5	09:20 AM - 09:25 AM	51.6	49.9
04:05 AM - 04:10 AM	49.1	47.9	06:45 AM - 06:50 AM	53.8	50.9	09:25 AM - 09:30 AM	51.6	49.4
04:10 AM - 04:15 AM	48.9	47.6	06:50 AM - 06:55 AM	55.4	52.1	09:30 AM - 09:35 AM	51.9	49.2
04:15 AM - 04:20 AM	49.1	47.4	06:55 AM - 07:00 AM	53.1	51.1	09:35 AM - 09:40 AM	52.3	49.8
04:20 AM - 04:25 AM	49.1	47.6	07:00 AM - 07:05 AM	56.0	52.1	09:40 AM - 09:45 AM	52.3	49.1
04:25 AM - 04:30 AM	49.4	47.9	07:05 AM - 07:10 AM	56.3	52.3	09:45 AM - 09:50 AM	51.3	48.9
04:30 AM - 04:35 AM	50.5	48.1	07:10 AM - 07:15 AM	58.9	51.7	09:50 AM - 09:55 AM	51.5	49.8
04:35 AM - 04:40 AM	50.5	47.9	07:15 AM - 07:20 AM	56.3	52.2	09:55 AM - 10:00 AM	52.4	49.8
04:40 AM - 04:45 AM	51.4	47.9	07:20 AM - 07:25 AM	54.7	51.1	10:00 AM - 10:05 AM	51.0	49.4
04:45 AM - 04:50 AM	49.2	47.4	07:25 AM - 07:30 AM	58.2	51.8	10:05 AM - 10:10 AM	51.5	49.4
04:50 AM - 04:55 AM	48.4	47.2	07:30 AM - 07:35 AM	55.4	51.9	10:10 AM - 10:15 AM	51.6	49.4
04:55 AM - 05:00 AM	50.4	47.1	07:35 AM - 07:40 AM	54.4	51.6	10:15 AM - 10:20 AM	52.3	50.1
05:00 AM - 05:05 AM	49.5	47.8	07:40 AM - 07:45 AM	54.8	52.0	10:20 AM - 10:25 AM	52.6	49.7
05:05 AM - 05:10 AM	48.9	47.9	07:45 AM - 07:50 AM	54.9	51.6	10:25 AM - 10:30 AM	51.2	49.2
05:10 AM - 05:15 AM	49.4	47.8	07:50 AM - 07:55 AM	53.7	50.9	10:30 AM - 10:35 AM	51.7	49.0
05:15 AM - 05:20 AM	49.5	48.2	07:55 AM - 08:00 AM	54.4	50.8	10:35 AM - 10:40 AM	52.1	49.9
05:20 AM - 05:25 AM	49.5	47.5	08:00 AM - 08:05 AM	52.4	50.6	10:40 AM - 10:45 AM	51.3	49.3
05:25 AM - 05:30 AM	51.3	47.7	08:05 AM - 08:10 AM	53.2	50.4	10:45 AM - 10:50 AM	52.1	50.0
05:30 AM - 05:35 AM	50.0	48.0	08:10 AM - 08:15 AM	52.9	50.7	10:50 AM - 10:55 AM	52.4	50.6
05:35 AM - 05:40 AM	52.7	48.7	08:15 AM - 08:20 AM	53.0	50.3	10:55 AM - 11:00 AM	51.0	49.4

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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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102383-1

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

Page 1 of 3

Sample Number 2485391-13
Parameter Noise Level (Leq 5 min)
Location ฐานตรวจวัด-ด้านโรงรถ (GPS 47P 0735578, 1402792)
Measurement Date Aug 31 - Sep 01, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Aug 31, 2024			Aug 31, 2024			Aug 31, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	51.1	49.4	01:40 PM - 01:45 PM	52.2	50.0	04:20 PM - 04:25 PM	52.3	49.6
11:05 AM - 11:10 AM	52.3	49.3	01:45 PM - 01:50 PM	52.3	49.3	04:25 PM - 04:30 PM	52.1	49.3
11:10 AM - 11:15 AM	52.0	48.6	01:50 PM - 01:55 PM	59.1	49.9	04:30 PM - 04:35 PM	53.5	49.8
11:15 AM - 11:20 AM	56.7	49.0	01:55 PM - 02:00 PM	53.4	50.6	04:35 PM - 04:40 PM	53.5	51.0
11:20 AM - 11:25 AM	52.6	49.7	02:00 PM - 02:05 PM	54.0	50.5	04:40 PM - 04:45 PM	54.0	50.1
11:25 AM - 11:30 AM	52.0	49.5	02:05 PM - 02:10 PM	52.8	50.2	04:45 PM - 04:50 PM	52.8	50.2
11:30 AM - 11:35 AM	52.2	49.0	02:10 PM - 02:15 PM	52.2	50.1	04:50 PM - 04:55 PM	52.3	50.8
11:35 AM - 11:40 AM	51.4	48.9	02:15 PM - 02:20 PM	53.2	50.0	04:55 PM - 05:00 PM	52.4	51.0
11:40 AM - 11:45 AM	51.0	48.2	02:20 PM - 02:25 PM	50.6	48.6	05:00 PM - 05:05 PM	52.2	50.2
11:45 AM - 11:50 AM	52.4	49.1	02:25 PM - 02:30 PM	50.4	48.0	05:05 PM - 05:10 PM	54.9	51.5
11:50 AM - 11:55 AM	51.2	48.7	02:30 PM - 02:35 PM	50.3	47.6	05:10 PM - 05:15 PM	55.6	52.1
11:55 AM - 12:00 PM	51.3	48.5	02:35 PM - 02:40 PM	50.5	48.3	05:15 PM - 05:20 PM	53.6	51.6
12:00 PM - 12:05 PM	51.7	48.8	02:40 PM - 02:45 PM	56.3	48.4	05:20 PM - 05:25 PM	53.2	50.8
12:05 PM - 12:10 PM	50.7	48.6	02:45 PM - 02:50 PM	49.8	48.0	05:25 PM - 05:30 PM	53.5	50.1
12:10 PM - 12:15 PM	52.7	48.6	02:50 PM - 02:55 PM	51.7	49.4	05:30 PM - 05:35 PM	54.8	50.0
12:15 PM - 12:20 PM	51.5	48.7	02:55 PM - 03:00 PM	50.3	48.8	05:35 PM - 05:40 PM	54.3	50.4
12:20 PM - 12:25 PM	50.1	48.3	03:00 PM - 03:05 PM	53.1	49.6	05:40 PM - 05:45 PM	53.7	50.8
12:25 PM - 12:30 PM	51.3	49.4	03:05 PM - 03:10 PM	58.4	49.7	05:45 PM - 05:50 PM	59.2	50.5
12:30 PM - 12:35 PM	51.9	49.4	03:10 PM - 03:15 PM	51.4	49.3	05:50 PM - 05:55 PM	51.8	50.1
12:35 PM - 12:40 PM	51.7	49.0	03:15 PM - 03:20 PM	54.6	49.3	05:55 PM - 06:00 PM	52.5	49.9
12:40 PM - 12:45 PM	51.4	49.3	03:20 PM - 03:25 PM	51.6	49.3	06:00 PM - 06:05 PM	53.7	50.5
12:45 PM - 12:50 PM	52.8	49.4	03:25 PM - 03:30 PM	50.7	49.0	06:05 PM - 06:10 PM	55.3	51.8
12:50 PM - 12:55 PM	51.8	49.0	03:30 PM - 03:35 PM	50.5	48.4	06:10 PM - 06:15 PM	54.1	51.1
12:55 PM - 01:00 PM	53.9	51.6	03:35 PM - 03:40 PM	53.5	49.5	06:15 PM - 06:20 PM	55.8	50.9
01:00 PM - 01:05 PM	54.1	50.1	03:40 PM - 03:45 PM	52.8	49.5	06:20 PM - 06:25 PM	52.1	50.1
01:05 PM - 01:10 PM	55.5	51.0	03:45 PM - 03:50 PM	51.6	48.7	06:25 PM - 06:30 PM	53.0	50.4
01:10 PM - 01:15 PM	50.9	48.8	03:50 PM - 03:55 PM	53.6	49.9	06:30 PM - 06:35 PM	53.8	50.4
01:15 PM - 01:20 PM	52.1	49.3	03:55 PM - 04:00 PM	53.5	49.5	06:35 PM - 06:40 PM	55.4	52.0
01:20 PM - 01:25 PM	53.0	49.3	04:00 PM - 04:05 PM	53.6	49.4	06:40 PM - 06:45 PM	55.2	51.2
01:25 PM - 01:30 PM	51.3	48.9	04:05 PM - 04:10 PM	52.2	49.3	06:45 PM - 06:50 PM	52.9	50.2
01:30 PM - 01:35 PM	51.5	48.9	04:10 PM - 04:15 PM	52.0	49.8	06:50 PM - 06:55 PM	52.5	50.6
01:35 PM - 01:40 PM	52.0	50.4	04:15 PM - 04:20 PM	52.8	49.5	06:55 PM - 07:00 PM	51.5	49.4

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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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102383-1

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

Page 2 of 3

Sample Number 2485391-13
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date Aug 31 - Sep 01, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Aug 31, 2024			Aug 31 - Sep 01, 2024			Sep 01, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	52.3	48.8	09:40 PM - 09:45 PM	49.6	48.1	12:20 AM - 12:25 AM	49.5	46.9
07:05 PM - 07:10 PM	59.2	50.4	09:45 PM - 09:50 PM	50.7	48.3	12:25 AM - 12:30 AM	48.7	46.9
07:10 PM - 07:15 PM	54.4	51.0	09:50 PM - 09:55 PM	51.8	49.3	12:30 AM - 12:35 AM	50.3	46.4
07:15 PM - 07:20 PM	52.9	49.9	09:55 PM - 10:00 PM	51.2	48.8	12:35 AM - 12:40 AM	49.3	47.0
07:20 PM - 07:25 PM	53.1	50.1	10:00 PM - 10:05 PM	50.7	48.3	12:40 AM - 12:45 AM	49.9	47.9
07:25 PM - 07:30 PM	55.8	48.9	10:05 PM - 10:10 PM	51.3	48.5	12:45 AM - 12:50 AM	49.9	47.4
07:30 PM - 07:35 PM	54.7	48.6	10:10 PM - 10:15 PM	50.9	48.3	12:50 AM - 12:55 AM	48.6	47.4
07:35 PM - 07:40 PM	54.6	48.9	10:15 PM - 10:20 PM	52.0	48.0	12:55 AM - 01:00 AM	50.3	47.8
07:40 PM - 07:45 PM	55.4	49.7	10:20 PM - 10:25 PM	50.5	47.9	01:00 AM - 01:05 AM	48.9	47.3
07:45 PM - 07:50 PM	52.8	49.4	10:25 PM - 10:30 PM	54.7	48.5	01:05 AM - 01:10 AM	52.3	48.2
07:50 PM - 07:55 PM	50.6	48.7	10:30 PM - 10:35 PM	51.6	48.7	01:10 AM - 01:15 AM	52.0	48.7
07:55 PM - 08:00 PM	52.6	49.0	10:35 PM - 10:40 PM	50.0	47.7	01:15 AM - 01:20 AM	50.3	48.6
08:00 PM - 08:05 PM	51.7	48.9	10:40 PM - 10:45 PM	48.1	46.4	01:20 AM - 01:25 AM	50.3	48.8
08:05 PM - 08:10 PM	52.6	49.2	10:45 PM - 10:50 PM	49.7	47.7	01:25 AM - 01:30 AM	51.0	48.5
08:10 PM - 08:15 PM	51.8	49.2	10:50 PM - 10:55 PM	49.4	47.3	01:30 AM - 01:35 AM	49.5	48.3
08:15 PM - 08:20 PM	51.2	48.6	10:55 PM - 11:00 PM	50.5	47.4	01:35 AM - 01:40 AM	50.4	48.9
08:20 PM - 08:25 PM	52.5	49.2	11:00 PM - 11:05 PM	50.1	47.7	01:40 AM - 01:45 AM	50.9	49.4
08:25 PM - 08:30 PM	56.0	52.2	11:05 PM - 11:10 PM	49.5	47.1	01:45 AM - 01:50 AM	50.3	48.7
08:30 PM - 08:35 PM	55.6	54.1	11:10 PM - 11:15 PM	48.4	46.9	01:50 AM - 01:55 AM	50.8	48.8
08:35 PM - 08:40 PM	55.4	49.3	11:15 PM - 11:20 PM	48.6	46.4	01:55 AM - 02:00 AM	52.5	48.3
08:40 PM - 08:45 PM	52.6	49.2	11:20 PM - 11:25 PM	47.6	46.6	02:00 AM - 02:05 AM	49.8	48.2
08:45 PM - 08:50 PM	57.1	49.5	11:25 PM - 11:30 PM	48.5	46.9	02:05 AM - 02:10 AM	49.5	48.5
08:50 PM - 08:55 PM	53.7	48.8	11:30 PM - 11:35 PM	48.6	47.1	02:10 AM - 02:15 AM	50.1	48.6
08:55 PM - 09:00 PM	52.1	49.2	11:35 PM - 11:40 PM	50.5	46.8	02:15 AM - 02:20 AM	49.1	48.2
09:00 PM - 09:05 PM	50.8	48.8	11:40 PM - 11:45 PM	50.7	47.8	02:20 AM - 02:25 AM	49.8	48.2
09:05 PM - 09:10 PM	50.6	48.6	11:45 PM - 11:50 PM	49.5	47.2	02:25 AM - 02:30 AM	49.8	48.0
09:10 PM - 09:15 PM	50.1	47.7	11:50 PM - 11:55 PM	51.4	47.0	02:30 AM - 02:35 AM	50.2	48.6
09:15 PM - 09:20 PM	52.0	48.6	11:55 PM - 12:00 AM	48.3	46.8	02:35 AM - 02:40 AM	50.0	48.2
09:20 PM - 09:25 PM	49.2	47.3	12:00 AM - 12:05 AM	48.9	47.0	02:40 AM - 02:45 AM	48.8	47.9
09:25 PM - 09:30 PM	50.4	47.9	12:05 AM - 12:10 AM	50.3	47.8	02:45 AM - 02:50 AM	49.0	47.8
09:30 PM - 09:35 PM	50.9	47.7	12:10 AM - 12:15 AM	49.3	47.0	02:50 AM - 02:55 AM	50.1	47.7
09:35 PM - 09:40 PM	50.5	48.2	12:15 AM - 12:20 AM	50.3	47.1	02:55 AM - 03:00 AM	48.1	47.0

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



Analysis / Test Report

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

Lot ID: 2485391
Date Received :Sep 04, 2024
Date Reported :Sep 06, 2024
Report Number : 3102383-1

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

Page 3 of 3

Sample Number 2485391-13
Parameter Noise Level (Leq 5 min)
Location กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date Aug 31 - Sep 01, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Sep 01, 2024			Sep 01, 2024			Sep 01, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	48.3	47.0	05:40 AM - 05:45 AM	51.1	49.2	08:20 AM - 08:25 AM	50.9	48.7
03:05 AM - 03:10 AM	49.2	48.1	05:45 AM - 05:50 AM	51.3	49.8	08:25 AM - 08:30 AM	51.0	48.3
03:10 AM - 03:15 AM	49.2	47.9	05:50 AM - 05:55 AM	50.7	48.2	08:30 AM - 08:35 AM	50.8	48.1
03:15 AM - 03:20 AM	49.0	47.9	05:55 AM - 06:00 AM	50.4	48.1	08:35 AM - 08:40 AM	50.5	48.5
03:20 AM - 03:25 AM	49.9	48.0	06:00 AM - 06:05 AM	50.7	48.2	08:40 AM - 08:45 AM	51.4	49.3
03:25 AM - 03:30 AM	50.0	48.5	06:05 AM - 06:10 AM	52.0	48.5	08:45 AM - 08:50 AM	51.0	49.1
03:30 AM - 03:35 AM	49.7	48.3	06:10 AM - 06:15 AM	51.1	48.9	08:50 AM - 08:55 AM	52.5	50.3
03:35 AM - 03:40 AM	49.1	47.7	06:15 AM - 06:20 AM	51.3	49.2	08:55 AM - 09:00 AM	51.6	49.9
03:40 AM - 03:45 AM	49.7	48.1	06:20 AM - 06:25 AM	51.7	49.0	09:00 AM - 09:05 AM	51.1	48.7
03:45 AM - 03:50 AM	49.8	47.9	06:25 AM - 06:30 AM	54.2	50.6	09:05 AM - 09:10 AM	51.8	49.9
03:50 AM - 03:55 AM	53.2	47.9	06:30 AM - 06:35 AM	51.2	49.5	09:10 AM - 09:15 AM	52.0	50.0
03:55 AM - 04:00 AM	53.1	47.5	06:35 AM - 06:40 AM	52.0	50.0	09:15 AM - 09:20 AM	50.5	48.7
04:00 AM - 04:05 AM	48.3	47.4	06:40 AM - 06:45 AM	52.5	50.1	09:20 AM - 09:25 AM	50.7	49.2
04:05 AM - 04:10 AM	48.4	47.3	06:45 AM - 06:50 AM	52.1	49.9	09:25 AM - 09:30 AM	52.0	50.1
04:10 AM - 04:15 AM	48.1	47.1	06:50 AM - 06:55 AM	54.7	49.6	09:30 AM - 09:35 AM	51.4	49.8
04:15 AM - 04:20 AM	48.4	46.9	06:55 AM - 07:00 AM	51.9	49.5	09:35 AM - 09:40 AM	51.3	49.6
04:20 AM - 04:25 AM	48.8	47.3	07:00 AM - 07:05 AM	53.8	51.0	09:40 AM - 09:45 AM	51.1	48.2
04:25 AM - 04:30 AM	48.9	47.2	07:05 AM - 07:10 AM	54.2	50.5	09:45 AM - 09:50 AM	52.2	49.4
04:30 AM - 04:35 AM	48.9	47.8	07:10 AM - 07:15 AM	53.5	49.9	09:50 AM - 09:55 AM	51.2	49.0
04:35 AM - 04:40 AM	49.2	47.7	07:15 AM - 07:20 AM	53.1	49.1	09:55 AM - 10:00 AM	52.9	50.8
04:40 AM - 04:45 AM	49.7	47.7	07:20 AM - 07:25 AM	54.1	48.9	10:00 AM - 10:05 AM	53.7	51.0
04:45 AM - 04:50 AM	49.7	47.7	07:25 AM - 07:30 AM	54.6	50.1	10:05 AM - 10:10 AM	52.3	50.0
04:50 AM - 04:55 AM	50.1	47.1	07:30 AM - 07:35 AM	52.1	49.5	10:10 AM - 10:15 AM	51.6	50.0
04:55 AM - 05:00 AM	51.2	47.3	07:35 AM - 07:40 AM	52.7	49.9	10:15 AM - 10:20 AM	52.8	50.4
05:00 AM - 05:05 AM	49.6	48.0	07:40 AM - 07:45 AM	52.3	49.2	10:20 AM - 10:25 AM	51.9	50.2
05:05 AM - 05:10 AM	49.2	48.3	07:45 AM - 07:50 AM	52.4	48.9	10:25 AM - 10:30 AM	52.5	50.6
05:10 AM - 05:15 AM	49.6	48.4	07:50 AM - 07:55 AM	51.3	48.3	10:30 AM - 10:35 AM	52.9	50.3
05:15 AM - 05:20 AM	49.8	48.4	07:55 AM - 08:00 AM	50.2	48.0	10:35 AM - 10:40 AM	52.5	49.0
05:20 AM - 05:25 AM	49.8	48.1	08:00 AM - 08:05 AM	52.2	49.7	10:40 AM - 10:45 AM	53.6	48.9
05:25 AM - 05:30 AM	49.3	47.4	08:05 AM - 08:10 AM	51.9	49.1	10:45 AM - 10:50 AM	54.1	49.5
05:30 AM - 05:35 AM	50.1	47.1	08:10 AM - 08:15 AM	52.6	49.6	10:50 AM - 10:55 AM	52.3	50.2
05:35 AM - 05:40 AM	50.0	48.1	08:15 AM - 08:20 AM	53.3	49.7	10:55 AM - 11:00 AM	52.4	50.1

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



Analysis / Test Report

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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102384-1

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Page 1 of 3

Sample Number : 2485391-14
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date : Sep 01 - Sep 02, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Sep 01, 2024	Leq	L90	Sep 01, 2024	Leq	L90	Sep 01, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	52.1	49.4	01:40 PM - 01:45 PM	51.2	48.9	04:20 PM - 04:25 PM	53.5	48.2
11:05 AM - 11:10 AM	50.9	49.5	01:45 PM - 01:50 PM	50.1	47.7	04:25 PM - 04:30 PM	51.8	49.0
11:10 AM - 11:15 AM	51.3	49.1	01:50 PM - 01:55 PM	50.8	48.4	04:30 PM - 04:35 PM	52.6	49.2
11:15 AM - 11:20 AM	51.1	49.0	01:55 PM - 02:00 PM	51.2	48.4	04:35 PM - 04:40 PM	53.5	48.8
11:20 AM - 11:25 AM	54.3	49.8	02:00 PM - 02:05 PM	51.7	48.1	04:40 PM - 04:45 PM	52.5	49.9
11:25 AM - 11:30 AM	51.2	49.2	02:05 PM - 02:10 PM	51.3	48.8	04:45 PM - 04:50 PM	53.8	49.1
11:30 AM - 11:35 AM	52.4	49.8	02:10 PM - 02:15 PM	50.3	48.4	04:50 PM - 04:55 PM	51.5	49.1
11:35 AM - 11:40 AM	53.7	49.3	02:15 PM - 02:20 PM	52.7	49.0	04:55 PM - 05:00 PM	51.6	49.2
11:40 AM - 11:45 AM	53.1	49.5	02:20 PM - 02:25 PM	54.1	49.0	05:00 PM - 05:05 PM	52.4	49.6
11:45 AM - 11:50 AM	51.0	48.9	02:25 PM - 02:30 PM	50.4	48.4	05:05 PM - 05:10 PM	53.1	50.1
11:50 AM - 11:55 AM	54.6	49.4	02:30 PM - 02:35 PM	51.2	48.4	05:10 PM - 05:15 PM	54.4	50.0
11:55 AM - 12:00 PM	51.8	49.4	02:35 PM - 02:40 PM	50.9	48.5	05:15 PM - 05:20 PM	52.3	49.8
12:00 PM - 12:05 PM	53.8	49.6	02:40 PM - 02:45 PM	50.9	48.4	05:20 PM - 05:25 PM	53.2	48.7
12:05 PM - 12:10 PM	54.9	51.9	02:45 PM - 02:50 PM	50.6	48.3	05:25 PM - 05:30 PM	52.0	48.8
12:10 PM - 12:15 PM	55.2	51.3	02:50 PM - 02:55 PM	50.5	47.7	05:30 PM - 05:35 PM	52.2	49.0
12:15 PM - 12:20 PM	53.6	50.6	02:55 PM - 03:00 PM	50.4	48.2	05:35 PM - 05:40 PM	51.6	48.6
12:20 PM - 12:25 PM	52.2	49.5	03:00 PM - 03:05 PM	50.8	47.7	05:40 PM - 05:45 PM	53.0	48.7
12:25 PM - 12:30 PM	50.8	48.8	03:05 PM - 03:10 PM	53.6	47.8	05:45 PM - 05:50 PM	50.4	48.0
12:30 PM - 12:35 PM	50.5	48.0	03:10 PM - 03:15 PM	49.1	47.4	05:50 PM - 05:55 PM	52.5	48.1
12:35 PM - 12:40 PM	50.7	48.5	03:15 PM - 03:20 PM	49.6	47.5	05:55 PM - 06:00 PM	52.6	49.0
12:40 PM - 12:45 PM	50.8	48.3	03:20 PM - 03:25 PM	56.4	47.2	06:00 PM - 06:05 PM	51.0	48.4
12:45 PM - 12:50 PM	50.5	47.7	03:25 PM - 03:30 PM	52.6	48.2	06:05 PM - 06:10 PM	52.2	49.6
12:50 PM - 12:55 PM	49.5	48.0	03:30 PM - 03:35 PM	50.2	47.1	06:10 PM - 06:15 PM	52.0	48.9
12:55 PM - 01:00 PM	52.0	49.4	03:35 PM - 03:40 PM	49.6	46.9	06:15 PM - 06:20 PM	50.8	48.8
01:00 PM - 01:05 PM	53.3	48.6	03:40 PM - 03:45 PM	50.2	47.5	06:20 PM - 06:25 PM	53.0	49.0
01:05 PM - 01:10 PM	51.3	48.4	03:45 PM - 03:50 PM	49.8	47.6	06:25 PM - 06:30 PM	56.1	49.4
01:10 PM - 01:15 PM	52.5	48.6	03:50 PM - 03:55 PM	51.1	47.6	06:30 PM - 06:35 PM	51.9	48.6
01:15 PM - 01:20 PM	51.3	49.3	03:55 PM - 04:00 PM	50.6	46.9	06:35 PM - 06:40 PM	53.1	51.0
01:20 PM - 01:25 PM	51.1	48.4	04:00 PM - 04:05 PM	53.9	48.6	06:40 PM - 06:45 PM	51.7	49.6
01:25 PM - 01:30 PM	51.2	48.1	04:05 PM - 04:10 PM	53.9	47.9	06:45 PM - 06:50 PM	53.2	48.7
01:30 PM - 01:35 PM	54.0	49.7	04:10 PM - 04:15 PM	53.7	49.0	06:50 PM - 06:55 PM	53.9	49.3
01:35 PM - 01:40 PM	52.3	49.2	04:15 PM - 04:20 PM	52.4	49.3	06:55 PM - 07:00 PM	52.9	49.8

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Analysis / Test Report

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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102384-1

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Page 2 of 3

Sample Number : 2485391-14
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร-ฉะเชิงเทรา (GPS 47P 0735578, 1402792)
Measurement Date : Sep 01 - Sep 02, 2024
Measurement by : Apichart Wilars
Sound Level meter : Serial No. 00734223

Sep 01, 2024	Leq	L90	Sep 01 - Sep 02, 2024	Leq	L90	Sep 02, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	52.3	48.2	09:40 PM - 09:45 PM	51.1	48.9	12:20 AM - 12:25 AM	72.2	67.0
07:05 PM - 07:10 PM	53.4	49.2	09:45 PM - 09:50 PM	50.0	47.6	12:25 AM - 12:30 AM	75.2	73.1
07:10 PM - 07:15 PM	52.5	48.8	09:50 PM - 09:55 PM	49.5	47.5	12:30 AM - 12:35 AM	75.2	72.3
07:15 PM - 07:20 PM	51.7	49.1	09:55 PM - 10:00 PM	48.8	47.3	12:35 AM - 12:40 AM	72.7	67.9
07:20 PM - 07:25 PM	53.9	49.3	10:00 PM - 10:05 PM	49.3	47.3	12:40 AM - 12:45 AM	69.3	68.0
07:25 PM - 07:30 PM	52.3	48.3	10:05 PM - 10:10 PM	49.6	47.4	12:45 AM - 12:50 AM	74.6	71.8
07:30 PM - 07:35 PM	51.8	48.0	10:10 PM - 10:15 PM	49.4	47.0	12:50 AM - 12:55 AM	72.9	70.5
07:35 PM - 07:40 PM	52.5	48.6	10:15 PM - 10:20 PM	48.7	46.3	12:55 AM - 01:00 AM	73.5	68.5
07:40 PM - 07:45 PM	50.0	47.6	10:20 PM - 10:25 PM	47.5	46.0	01:00 AM - 01:05 AM	69.1	68.0
07:45 PM - 07:50 PM	51.9	47.9	10:25 PM - 10:30 PM	52.4	46.3	01:05 AM - 01:10 AM	66.8	65.7
07:50 PM - 07:55 PM	53.6	47.3	10:30 PM - 10:35 PM	49.9	46.5	01:10 AM - 01:15 AM	66.2	63.6
07:55 PM - 08:00 PM	51.0	47.6	10:35 PM - 10:40 PM	47.1	46.0	01:15 AM - 01:20 AM	65.3	62.2
08:00 PM - 08:05 PM	51.4	47.6	10:40 PM - 10:45 PM	48.1	46.2	01:20 AM - 01:25 AM	64.3	61.5
08:05 PM - 08:10 PM	52.4	47.9	10:45 PM - 10:50 PM	54.1	49.7	01:25 AM - 01:30 AM	65.6	64.4
08:10 PM - 08:15 PM	51.7	48.4	10:50 PM - 10:55 PM	55.6	51.2	01:30 AM - 01:35 AM	65.9	64.5
08:15 PM - 08:20 PM	51.2	47.6	10:55 PM - 11:00 PM	52.7	47.7	01:35 AM - 01:40 AM	63.5	62.6
08:20 PM - 08:25 PM	51.5	48.1	11:00 PM - 11:05 PM	47.6	45.9	01:40 AM - 01:45 AM	61.7	61.0
08:25 PM - 08:30 PM	50.9	46.7	11:05 PM - 11:10 PM	53.9	46.8	01:45 AM - 01:50 AM	61.4	60.7
08:30 PM - 08:35 PM	50.7	47.3	11:10 PM - 11:15 PM	47.8	46.4	01:50 AM - 01:55 AM	66.6	62.2
08:35 PM - 08:40 PM	51.1	47.5	11:15 PM - 11:20 PM	52.3	46.9	01:55 AM - 02:00 AM	67.1	66.4
08:40 PM - 08:45 PM	51.2	47.3	11:20 PM - 11:25 PM	48.6	46.6	02:00 AM - 02:05 AM	67.4	65.9
08:45 PM - 08:50 PM	49.7	47.6	11:25 PM - 11:30 PM	51.3	47.1	02:05 AM - 02:10 AM	64.4	62.8
08:50 PM - 08:55 PM	56.1	48.1	11:30 PM - 11:35 PM	53.2	49.2	02:10 AM - 02:15 AM	62.5	61.8
08:55 PM - 09:00 PM	54.2	47.1	11:35 PM - 11:40 PM	53.5	50.2	02:15 AM - 02:20 AM	62.8	61.9
09:00 PM - 09:05 PM	52.9	46.9	11:40 PM - 11:45 PM	51.2	48.6	02:20 AM - 02:25 AM	63.7	63.1
09:05 PM - 09:10 PM	49.1	46.2	11:45 PM - 11:50 PM	53.4	50.4	02:25 AM - 02:30 AM	62.8	61.9
09:10 PM - 09:15 PM	49.1	47.1	11:50 PM - 11:55 PM	53.9	50.9	02:30 AM - 02:35 AM	62.1	61.4
09:15 PM - 09:20 PM	50.0	46.4	11:55 PM - 12:00 AM	55.1	54.2	02:35 AM - 02:40 AM	63.2	62.4
09:20 PM - 09:25 PM	60.3	55.2	12:00 AM - 12:05 AM	55.4	54.5	02:40 AM - 02:45 AM	63.0	62.5
09:25 PM - 09:30 PM	61.2	60.0	12:05 AM - 12:10 AM	59.6	56.8	02:45 AM - 02:50 AM	63.2	62.7
09:30 PM - 09:35 PM	57.9	56.0	12:10 AM - 12:15 AM	65.6	63.4	02:50 AM - 02:55 AM	65.2	63.9
09:35 PM - 09:40 PM	54.2	52.1	12:15 AM - 12:20 AM	67.3	64.2	02:55 AM - 03:00 AM	65.4	64.8

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Analysis / Test Report

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

Lot ID: 2485391
Date Received : Sep 04, 2024
Date Reported : Sep 06, 2024
Report Number : 3102384-1

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

Page 3 of 3

Sample Number 2485391-14
Parameter Noise Level (Leq 5 min)
Location เขตอุตสาหกรรม-ระยอง (GPS 47P 0735578, 1402792)
Measurement Date Sep 01 - Sep 02, 2024
Measurement by Apichart Wilars
Sound Level meter Serial No. 00734223

Sep 02, 2024	Leq	L90	Sep 02, 2024	Leq	L90	Sep 02, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
03:00 AM - 03:05 AM	65.0	64.1	05:40 AM - 05:45 AM	65.7	65.2	08:20 AM - 08:25 AM	56.0	55.0
03:05 AM - 03:10 AM	67.0	66.1	05:45 AM - 05:50 AM	65.6	65.0	08:25 AM - 08:30 AM	57.5	55.1
03:10 AM - 03:15 AM	67.3	66.8	05:50 AM - 05:55 AM	65.4	64.3	08:30 AM - 08:35 AM	56.9	55.3
03:15 AM - 03:20 AM	67.0	66.5	05:55 AM - 06:00 AM	65.1	62.9	08:35 AM - 08:40 AM	58.1	56.1
03:20 AM - 03:25 AM	65.6	65.0	06:00 AM - 06:05 AM	64.2	62.4	08:40 AM - 08:45 AM	57.6	55.4
03:25 AM - 03:30 AM	64.2	62.9	06:05 AM - 06:10 AM	63.2	62.1	08:45 AM - 08:50 AM	57.6	55.7
03:30 AM - 03:35 AM	61.3	60.4	06:10 AM - 06:15 AM	64.1	62.9	08:50 AM - 08:55 AM	55.8	54.5
03:35 AM - 03:40 AM	59.4	58.2	06:15 AM - 06:20 AM	62.9	61.6	08:55 AM - 09:00 AM	55.2	54.2
03:40 AM - 03:45 AM	58.6	56.8	06:20 AM - 06:25 AM	63.1	61.2	09:00 AM - 09:05 AM	55.4	54.4
03:45 AM - 03:50 AM	58.1	57.1	06:25 AM - 06:30 AM	63.2	60.7	09:05 AM - 09:10 AM	55.3	54.1
03:50 AM - 03:55 AM	61.7	59.6	06:30 AM - 06:35 AM	62.9	61.4	09:10 AM - 09:15 AM	55.0	54.1
03:55 AM - 04:00 AM	65.0	63.5	06:35 AM - 06:40 AM	62.7	58.8	09:15 AM - 09:20 AM	55.6	54.2
04:00 AM - 04:05 AM	65.7	65.0	06:40 AM - 06:45 AM	61.8	58.3	09:20 AM - 09:25 AM	55.0	54.2
04:05 AM - 04:10 AM	66.6	66.1	06:45 AM - 06:50 AM	61.8	58.0	09:25 AM - 09:30 AM	56.0	53.7
04:10 AM - 04:15 AM	67.2	66.7	06:50 AM - 06:55 AM	61.3	57.6	09:30 AM - 09:35 AM	54.4	53.5
04:15 AM - 04:20 AM	66.2	65.5	06:55 AM - 07:00 AM	61.1	57.7	09:35 AM - 09:40 AM	54.1	53.1
04:20 AM - 04:25 AM	64.2	63.3	07:00 AM - 07:05 AM	62.5	61.0	09:40 AM - 09:45 AM	54.1	53.2
04:25 AM - 04:30 AM	62.3	61.4	07:05 AM - 07:10 AM	61.5	57.2	09:45 AM - 09:50 AM	54.2	53.2
04:30 AM - 04:35 AM	62.1	61.0	07:10 AM - 07:15 AM	59.5	56.6	09:50 AM - 09:55 AM	59.0	53.0
04:35 AM - 04:40 AM	64.8	63.1	07:15 AM - 07:20 AM	58.2	56.1	09:55 AM - 10:00 AM	53.8	52.8
04:40 AM - 04:45 AM	66.2	65.6	07:20 AM - 07:25 AM	59.1	56.4	10:00 AM - 10:05 AM	54.1	52.8
04:45 AM - 04:50 AM	65.8	65.1	07:25 AM - 07:30 AM	59.3	56.2	10:05 AM - 10:10 AM	54.2	52.8
04:50 AM - 04:55 AM	67.3	66.5	07:30 AM - 07:35 AM	59.1	56.3	10:10 AM - 10:15 AM	54.9	53.4
04:55 AM - 05:00 AM	67.6	66.9	07:35 AM - 07:40 AM	58.1	56.2	10:15 AM - 10:20 AM	54.0	53.1
05:00 AM - 05:05 AM	67.1	66.6	07:40 AM - 07:45 AM	57.1	56.1	10:20 AM - 10:25 AM	54.1	53.4
05:05 AM - 05:10 AM	67.0	66.4	07:45 AM - 07:50 AM	60.5	56.2	10:25 AM - 10:30 AM	55.2	53.2
05:10 AM - 05:15 AM	66.3	65.7	07:50 AM - 07:55 AM	57.5	56.1	10:30 AM - 10:35 AM	53.8	52.3
05:15 AM - 05:20 AM	66.1	65.3	07:55 AM - 08:00 AM	56.4	55.5	10:35 AM - 10:40 AM	53.7	51.9
05:20 AM - 05:25 AM	66.2	65.1	08:00 AM - 08:05 AM	56.7	55.6	10:40 AM - 10:45 AM	53.5	51.4
05:25 AM - 05:30 AM	66.1	65.5	08:05 AM - 08:10 AM	56.1	55.3	10:45 AM - 10:50 AM	52.7	51.4
05:30 AM - 05:35 AM	66.0	65.5	08:10 AM - 08:15 AM	56.8	55.4	10:50 AM - 10:55 AM	52.4	51.0
05:35 AM - 05:40 AM	65.7	65.1	08:15 AM - 08:20 AM	56.3	55.1	10:55 AM - 11:00 AM	54.1	51.5

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Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-6

ระดับเสียงในสถานประกอบการ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417273

Date Received : Mar 26, 2024

Date Reported : Mar 29, 2024

Report Number: 2951725-1

Page 1 of 1

Sample Number 2417273-1
Parameter Noise (Leq 8 hrs.)
Location Solvent Recovery Unit 1
Measurement Date Mar 25, 2024
Measurement by Pipat Nipatsed

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:13 AM - 10:13 AM	86.0	89.2	85.6
10:13 AM - 11:13 AM	86.1	101.1	83.9
11:13 AM - 12:13 PM	84.4	86.7	83.7
12:13 PM - 01:13 PM	84.4	86.8	83.2
01:13 PM - 02:13 PM	84.7	88.3	84.1
02:13 PM - 03:13 PM	84.9	87.6	84.1
03:13 PM - 04:13 PM	85.0	87.2	84.4
04:13 PM - 05:13 PM	85.2	88.3	84.3

Leq Average 8 hrs. (dB(A))

85.1

Lmax (dB(A))

101.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (4:40PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417273

Date Received : Mar 26, 2024

Date Reported : Mar 29, 2024

Report Number : 2951726-1

Page 1 of 1

Sample Number 2417273-2
Parameter Noise (Leq 8 hrs.)
Location Solvent Recovery Unit 2
Measurement Date Mar 25, 2024
Measurement by Pipat Nipatsed

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:03 AM - 10:03 AM	84.6	87.2	77.8
10:03 AM - 11:03 AM	85.5	99.2	84.5
11:03 AM - 12:03 PM	85.4	101.3	84.1
12:03 PM - 01:03 PM	84.8	87.2	83.9
01:03 PM - 02:03 PM	85.0	86.8	84.5
02:03 PM - 03:03 PM	85.5	87.6	84.9
03:03 PM - 04:03 PM	85.2	87.4	84.6
04:03 PM - 05:03 PM	84.8	86.5	84.5

Leq Average 8 hrs. (dB(A))

85.1

Lmax (dB(A))

101.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
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S:\Reports\Air Noise.rpt (4:40PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2443249

Date Received : Jun 08, 2024

Date Reported : Jun 13, 2024

Report Number: 3023887-1

Page 1 of 1

Sample Number 2443249-1
Parameter Noise (Leq 8 hrs.)
Location Solvent Recovery Unit 1
Measurement Date Jun 07, 2024
Measurement by Jittakorn Sriwasa

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:09 AM - 10:09 AM	89.3	93.9	84.1
10:06 AM - 11:06 AM	84.7	87.5	83.9
11:06 AM - 12:06 PM	84.9	88.4	83.9
12:06 PM - 01:06 PM	84.8	88.4	83.8
01:06 PM - 02:06 PM	85.3	89.0	84.1
02:06 PM - 03:06 PM	84.7	88.4	83.7
03:06 PM - 04:06 PM	84.6	88.0	83.8
04:06 PM - 05:06 PM	84.5	87.8	83.6

Leq Average 8 hrs. (dB(A))

85.7

Lmax (dB(A))

93.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

Thanita K.

Thanita Kulsuriwong
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S:\Reports_Air Noise rpt (6:28PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2443249

Date Received : Jun 08, 2024

Date Reported : Jun 13, 2024

Report Number: 3023888-1

Page 1 of 1

Sample Number 2443249-2
Parameter Noise (Leq 8 hrs.)
Location Solvent Recovery Unit 2
Measurement Date Jun 07, 2024
Measurement by Jittakorn Sriwasa

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:06 AM - 10:06 AM	81.9	97.4	81.0
10:09 AM - 11:09 AM	82.4	92.9	81.3
11:09 AM - 12:09 PM	81.9	87.2	81.5
12:09 PM - 01:09 PM	81.6	85.4	80.9
01:09 PM - 02:09 PM	81.3	95.3	80.8
02:09 PM - 03:09 PM	81.2	89.7	80.9
03:09 PM - 04:09 PM	81.8	87.5	81.3
04:09 PM - 05:09 PM	81.8	94.0	81.1

Leq Average 8 hrs. (dB(A))

81.8

Lmax (dB(A))

97.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

Thanita K.

Thanita Kulsuriwong
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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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24112071

Date Received : Sep 27, 2024

Date Reported : Oct 04, 2024

Report Number : 3122323-1

Page 1 of 1

Sample Number 24112071-1
Parameter Octave band
Location Solvent Recovery Unit 1
Measurement Date Sep 27, 2024
Measurement By Nontachai Uppathamp

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	16 kHz
10:30 AM - 11:30 AM	88.6	21.9	46.9	56.3	65.2	70.0	87.4	78.2	79.4	69.8	59.9	50.5
11:30 AM - 12:30 PM	87.6	22.3	47.7	56.9	65.6	70.2	86.0	78.2	79.9	69.6	59.9	50.8
12:30 PM - 01:30 PM	88.3	22.0	47.4	56.5	66.4	70.3	86.8	78.6	79.5	70.3	60.4	51.1
01:30 PM - 02:30 PM	88.2	21.4	46.4	55.7	65.5	70.0	86.8	79.1	78.5	70.3	60.4	51.1
02:30 PM - 03:30 PM	89.5	22.8	47.8	57.1	65.9	70.1	88.5	79.6	78.4	69.9	59.9	50.8
03:30 PM - 04:30 PM	88.2	22.7	47.7	56.9	66.2	70.4	86.9	78.8	78.6	70.1	60.2	51.0
04:30 PM - 05:30 PM	88.3	22.3	47.6	56.8	65.9	70.2	87.0	78.6	78.6	70.1	60.2	50.9
05:30 PM - 06:30 PM	87.9	22.2	47.2	56.5	65.9	70.0	86.6	78.6	78.8	69.8	60.1	50.7
Average	88.4	22.2	47.4	56.6	65.8	70.2	87.0	78.7	79.0	70.0	60.1	50.9

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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S:\Reports_Air Noise_Octave band.rpt (1.43PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2485385

Date Received : Sep 02, 2024

Date Reported : Sep 10, 2024

Report Number : 3106518-1

Page 1 of 1

Sample Number 2485385-2
Parameter Octave band
Location Solvent Recovery Unit 2
Measurement Date Aug 30, 2024
Measurement By Satcha Phetsawaeng

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	16 kHz
09:15 AM - 10:15 AM	82.8	27.0	45.9	53.6	64.7	70.0	74.0	78.9	77.6	71.7	63.0	48.6
10:15 AM - 11:15 AM	82.4	28.7	46.7	53.7	64.5	69.7	73.5	78.4	77.3	71.8	63.5	48.4
11:15 AM - 12:15 PM	82.0	28.7	46.6	53.2	64.3	69.6	73.2	77.8	76.9	71.1	62.9	48.2
12:15 PM - 01:15 PM	81.8	28.5	46.4	53.1	64.2	69.6	73.2	77.6	76.6	71.1	62.8	48.1
01:15 PM - 02:15 PM	82.3	28.5	46.5	53.2	64.2	69.5	73.4	77.9	77.5	72.1	63.7	48.7
02:15 PM - 03:15 PM	82.4	28.5	46.4	53.4	64.1	69.5	73.7	78.0	77.4	72.2	64.0	49.3
03:15 PM - 04:15 PM	82.6	28.9	47.0	53.8	64.8	69.9	73.9	78.6	77.2	72.1	63.7	49.1
04:15 PM - 05:15 PM	85.1	34.9	54.9	66.3	76.4	80.8	77.9	77.1	75.3	68.6	59.8	47.3
Average	82.8	30.0	48.9	58.6	69.0	73.7	74.4	78.1	77.0	71.5	63.1	48.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105134

Date Received : Dec 18, 2024

Date Reported : Dec 25, 2024

Report Number : 3202638-1

Page 1 of 1

Sample Number 24105134-1
Parameter Octave band
Location Solvent Recovery Unit 1
Measurement Date Dec 17, 2024
Measurement By Satcha Phetsawaeng

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	16 kHz
08:29 AM - 09:29 AM	87.3	20.7	44.8	53.0	62.9	68.6	85.2	78.6	80.4	72.7	62.6	51.7
09:29 AM - 10:29 AM	88.4	20.7	44.7	52.5	62.4	67.7	86.9	77.3	80.8	72.6	62.4	51.1
10:29 AM - 11:29 AM	87.3	20.9	45.4	53.1	63.4	67.9	85.3	77.5	80.8	72.6	62.4	50.8
11:29 AM - 12:29 PM	89.2	20.6	45.1	53.2	64.7	68.5	88.0	77.9	79.9	72.4	62.3	50.6
12:29 PM - 01:29 PM	89.6	20.7	45.2	53.2	64.7	68.7	88.6	78.3	79.6	72.2	62.3	50.6
01:29 PM - 02:29 PM	86.5	20.9	45.4	53.4	64.7	68.9	83.9	77.6	80.8	72.0	62.2	50.5
02:29 PM - 03:29 PM	86.3	21.1	45.7	53.7	64.8	68.6	83.6	76.6	80.9	72.0	62.2	50.7
03:29 PM - 04:29 PM	88.0	21.7	46.2	54.2	64.6	68.4	86.9	77.0	78.5	72.3	62.6	51.3
Average	88.0	20.9	45.3	53.3	64.1	68.4	86.4	77.6	80.3	72.4	62.4	50.9

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24105134

Date Received : Dec 18, 2024

Date Reported : Dec 25, 2024

Report Number : 3202639-1

Page 1 of 1

Sample Number 24105134-2
Parameter Octave band
Location Solvent Recovery Unit 2
Measurement Date Dec 17, 2024
Measurement By Satcha Phetsawaeng

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	16 kHz
08:35 AM - 09:35 AM	83.2	26.0	43.8	52.5	63.8	68.7	74.9	78.0	79.0	73.5	64.7	48.1
09:35 AM - 10:35 AM	83.2	25.9	43.8	52.5	63.6	68.6	74.8	77.5	79.3	73.6	64.6	47.9
10:35 AM - 11:35 AM	82.7	25.1	43.7	52.5	63.4	68.4	74.5	77.2	78.7	73.2	64.3	47.7
11:35 AM - 12:35 PM	82.7	25.7	43.7	52.2	63.2	68.4	74.4	77.5	78.6	73.2	64.3	48.0
12:35 PM - 01:35 PM	82.6	25.9	43.7	52.2	63.2	68.1	74.3	77.4	78.3	73.2	64.2	47.8
01:35 PM - 02:35 PM	82.9	25.3	43.6	52.3	63.2	68.1	74.3	77.7	78.8	73.7	64.4	48.0
02:35 PM - 03:35 PM	83.0	25.6	43.7	52.2	63.4	68.2	74.4	77.4	79.1	73.5	64.3	48.4
03:35 PM - 04:35 PM	82.9	26.0	43.8	52.5	63.7	68.6	74.9	77.2	78.8	73.6	64.6	49.2
Average	82.9	25.7	43.7	52.4	63.4	68.4	74.6	77.5	78.8	73.4	64.4	48.2

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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ภาคผนวก ค-8

ระดับเสียงสะสมที่ตัวบุคคล (Noise Dose)

๕ ผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง (Noise Dosimeter)

ลำดับ เรียง SEG	บริเวณที่ทำการตรวจวัด	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน จริงพนักงาน (ชั่วโมง/นาฬิกา)	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA \leq ชั่วโมง (dBA)	ผลการประเมิน (ระบุว่าเป็นเกณฑ์ ไม่เกินเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข
				ระยะเวลาการตรวจวัด (ชั่วโมง/นาฬิกา)	ปริมาณเสียงสะสม (D) เดซิเบล (dB)			
๑	PE Operator-General 12 hour exposure at Train 1	รายละเอียดตามเอกสารแนบ ๑	720 นาที	629 นาที	49.7	82.0	ไม่เกินเกณฑ์	
๒	PE Operator-General 12 hour exposure at Train 2		720 นาที	640 นาที	65.1	83.1	ไม่เกินเกณฑ์	

- หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งสัมผัสสภาวะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสียงเหมือนกัน
- ๒) ระดับเสียงเฉลี่ย TWA \leq ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในขณะสวมใส่อุปกรณ์คุ้มครองความปลอดภัยส่วนบุคคล
- ๓) ผลการประเมินให้เกินพิกัดฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ถูกจ้างได้รับเฉลี่ยตลอดระยะเวลาการลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓ ทำงานไม่เกิน ๘ ชั่วโมง
- ๔) กรณีผลการประเมินเกินพิกัดฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ

Poh

(นางสาวปัทมา จุลบุตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน

ลงชื่อ

Darnbuck C

(นางสาวศุภณีย์กมล ณาชัยนตร)

นายจ้าง/ผู้มีอำนาจกระทำการแทน

General Business

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงาน
เกี่ยวกับความร้อน แสงสว่าง และเสียงภายในสถานประกอบการ
ตามข้อ ๑๕ แห่งกฎกระทรวงกำหนดมาตรฐานในการบริหาร จัดการ และดำเนินการด้านความปลอดภัย
อาชีวอนามัย และสภาพแวดล้อมในการทำงานเกี่ยวกับความร้อน แสงสว่าง และเสียง พ.ศ. ๒๕๕๔

๑. จ้างจ้าง (นายจ้าง/นายจ้าง) ศุภณีย์กมล ณาชัยนตร นายจ้างผู้มีอำนาจกระทำการแทน
๒. ชื่อสถานประกอบการ บริษัท สยามโกลด์ทีน จำกัด
- เลขทะเบียนนิติบุคคล 0105538145319
- ประเภทกิจการ ผลิตพลาสติกโพลีเอทิลีน
- | | | | | | | | | | |
|-------------|----------------------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| ตั้งอยู่ที่ | 8/1 หมู่ที่ ๖ ตระกือ | ถนน | โกลด์ทีน | ตำบล | โกลด์ทีน | อำเภอ | โกลด์ทีน | จังหวัด | โกลด์ทีน |
| ค่าเฉลี่ย | ค่าเฉลี่ย | ค่าเฉลี่ย | ค่าเฉลี่ย | ค่าเฉลี่ย | ค่าเฉลี่ย | ค่าเฉลี่ย | ค่าเฉลี่ย | ค่าเฉลี่ย | ค่าเฉลี่ย |
| โทรศัพท์ | 0-3867-3000 | โทรสาร | 0-3868-3991 | เว็บไซต์ | เว็บไซต์ | เว็บไซต์ | เว็บไซต์ | เว็บไซต์ | เว็บไซต์ |

๓. การดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน
- ☒ บุคคลที่ขึ้นทะเบียนเจ้าหน้าที่ความปลอดภัยในการทำงานระดับวิชาชีพ หรือบุคคลผู้สำเร็จการศึกษา
ไม่ต่ำกว่าปริญญาตรีสาขาอาชีวอนามัยและความปลอดภัย หรือเทียบเท่าที่ขึ้นทะเบียนเจ้าหน้าที่ความปลอดภัยในการทำงาน
ของสถานประกอบการ เป็นผู้ดำเนินการเอง (แนบสำเนาเอกสารขึ้นทะเบียน และสำเนาวุฒิการศึกษา
พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุลผู้ดำเนินการ ตรวจวัดและวิเคราะห์ผลการทำงาน	ประเภท ของเจ้าหน้าที่ความปลอดภัยในการทำงาน	เลขทะเบียน เจ้าหน้าที่ความปลอดภัยในการทำงาน
๑) นางสาวปัทมา จุลบุตร	เจ้าหน้าที่ความปลอดภัย ระดับวิชาชีพ	05-221-2966-000006

รายการผลการตรวจวัดและวิเคราะห์ผลการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับความร้อน (แบบ รส.๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับแสงสว่าง (แบบ รส.๒)
- ☒ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียง (แบบ รส.๓)

๔. บุคคลที่ได้รับขึ้นทะเบียนตามมาตรา ๔ หรือนิติบุคคลที่ได้รับใบอนุญาตตามมาตรา ๑๑
แห่งพระราชบัญญัติความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน พ.ศ. ๒๕๕๔
(แนบสำเนาเอกสารขึ้นทะเบียน/ใบอนุญาตตามมาตรา ๔ หรือมาตรา ๑๑ พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุล บุคคลหรือนิติบุคคลผู้ดำเนินการ ตรวจวัดและวิเคราะห์ผลการทำงาน	เลขที่ใบขึ้นทะเบียนหรือใบอนุญาต	ระยะเวลาที่ได้รับ การขึ้นทะเบียนและได้รับใบอนุญาต ตั้งแต่วันเดือนปี ถึง วันเดือนปี
๑)		

หมายเหตุ: สามารถเพิ่มบุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงานเป็นลำดับในตาราง

รายการผลการตรวจวัดและวิเคราะห์ผลการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับความร้อน (แบบ รส.๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับแสงสว่าง (แบบ รส.๒)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียง (แบบ รส.๓)

ลงชื่อ

Poh

(นางสาวปัทมา จุลบุตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน

ลงชื่อ

Darnbuck C

(นางสาวศุภณีย์กมล ณาชัยนตร)

นายจ้าง/ผู้มีอำนาจกระทำการแทน

General Business

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียง

๑. วัน เดือน ปี ที่ตรวจวัด 11 ตุลาคม 2567 และ 21 ตุลาคม 2567

๒. เครื่องมือที่ใช้ในการตรวจวัด (กรณีที่ใช้เครื่องตรวจวัดมากกว่า ๑ เครื่อง ให้เพิ่มข้อมูลเป็นลำดับในตาราง)

ชนิดประเภทเครื่องตรวจวัด ระดับความดังเสียง (SLM/Noise Dosimeter)	ชื่อรุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	วันเดือนปี (ปรับเทียบความถูกต้อง)	หมายเหตุ
a) Noise Dose Meter	TSI QUEST ED04P-NB-D	EYY030018	IEC 651 - 1979	21 พฤษภาคม 2567	

๓. อุปกรณ์ที่ใช้ในการปรับเทียบความถูกต้องของเครื่องมือตรวจวัดระดับความดังเสียง

อุปกรณ์ปรับเทียบความถูกต้อง	ชื่อรุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	หมายเหตุ
a) Sound calibrator	TSI QUEST AC-300	AC300017760	ANSI S1.40-1984 and IEC 942-1988 Cds 1	

๔. ผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง Sound Level Meter (SLM)

ลำดับ ของ SEG ^๑	บริเวณที่ทำการตรวจวัด ^๒	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที)	พื้นที่ทำงาน ^๓	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง ^๔ (dBA)	ผลการประเมิน ๕ (ระบุว่าเป็นเกณฑ์ ไม่เกินเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข ^๕
					ความดังเสียง (dBA)	ระยะเวลาการตรวจวัด (ชั่วโมง/นาที)			
-	-	-	-	-	-	-	-	-	-

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

๒) บริเวณที่ทำการตรวจวัด ไม่จำกัดตำแหน่งพื้นที่ที่ดำเนินการตรวจวัดระดับความดังเสียงเป็นเอกสารแนบ

๓) กรณีที่พนักงานสัมผัสเสียงดังในบริเวณตรวจวัดหลายจุดทำงาน (หลายสถานี/ยานพาหนะ/พื้นที่ทำงาน) สามารถเพิ่มพื้นที่ทำงานในตารางได้

๔) ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในคู่มือสามารถใส่อุปกรณ์คุ้มครองความปลอดภัยส่วนบุคคล

๕) ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้อุปกรณ์คุ้มครองความปลอดภัยส่วนบุคคล

๖) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ



(นางสาวปัทมิ จุกานฺตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน

ลงชื่อ



(นางสาวอรุณลักษณ์ ฉายยิ่งมตร)

นายจ้าง/ผู้มีอำนาจกระทำการแทน

General Business

๕. ผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง (Noise Dosimeter)

ลำดับ ของ SEG ^๑	บริเวณที่ทำการตรวจวัด ^๒	ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที)	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง ^๔ (dBA)	ผลการประเมิน ๕ (ระบุว่าเป็นเกณฑ์ ไม่เกินเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข ^๕
				ระยะเวลาการตรวจวัด (ชั่วโมง/นาที)	ปริมาณเสียงสะสม (D) เปอร์เซ็นต์ (%)			
๑	PE Operator-General 12 hour exposure at Train 1	รายละเอียดตามเอกสารแนบ ๕	720 นาที	637 นาที	48.0	81.8	ไม่เกินเกณฑ์	
๒	PE Operator-General 12 hour exposure at Train 2		720 นาที	670 นาที	50.5	82.0	ไม่เกินเกณฑ์	

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

๒) ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในคู่มือสามารถใส่อุปกรณ์คุ้มครองความปลอดภัยส่วนบุคคล

๓) ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้อุปกรณ์คุ้มครองความปลอดภัยส่วนบุคคล

๔) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ



(นางสาวปัทมิ จุกานฺตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน

ลงชื่อ



(นางสาวอรุณลักษณ์ ฉายยิ่งมตร)

นายจ้าง/ผู้มีอำนาจกระทำการแทน

General Business

ภาคผนวก ค-9

คุณภาพน้ำทิ้ง



Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)

Lot ID: 2472194

Date Received : Jul 03, 2024

Date Reported : Jul 11, 2024

Report Number : 3033956-1

Page 1 of 2

Sample Number	2472194-1						
Sampled Date	Jul 03, 2024 9:25 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Jul 03, 2024						
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	17.9	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	41	≤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	35	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	34	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	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	20.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

โทรเลขเลขที่ 7-323-9-9446

Approved by

D. Chumon

Dej Changchon
Senior Manager

โทรเลขเลขที่ 7-323-9-9442

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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)

Lot ID: 2472194

Date Received : Jul 03, 2024

Date Reported : Jul 11, 2024

Report Number : 3033956-1

Page 2 of 2

Sample Number	2472194-1						
Sampled Date	Jul 03, 2024 9:25 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Jul 03, 2024						
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Sampling By : Chainusorn Lertnathakunchai โทรเลขเลขที่ 7-323-9-9461, Pattarapol Sawangjaitam โทรเลขเลขที่ 7-204-9-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

โทรเลขเลขที่ 7-323-9-9446

Approved by

D. Chumon

Dej Changchon
Senior Manager

โทรเลขเลขที่ 7-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2472194

Date Received : Jul 03, 2024

Date Reported : Jul 11, 2024

Report Number : 3033956-2

Page 1 of 1

Sample Number	2472194-1
Sampled Date	Jul 03, 2024 9:25 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jul 05, 2024
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	9.90	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 2485338

Date Received : Aug 07, 2024

Date Reported : Aug 16, 2024

Report Number : 3064926-1

Page 1 of 2

Sample Number	2485338-1
Sampled Date	Aug 07, 2024 9:20 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Aug 07, 2024
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	10.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	32	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	23	≤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	22	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	292	≤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	9.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

โทรเลขเลขที่ 7-323-9-9446

Approved by

D. Chongchon

Dej Chongchon
Senior Manager

โทรเลขเลขที่ 7-323-9-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 2485338

Date Received : Aug 07, 2024

Date Reported : Aug 16, 2024

Report Number : 3064926-1

Page 2 of 2

Sample Number	2485338-1
Sampled Date	Aug 07, 2024 9:20 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Aug 07, 2024
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

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

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

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ 7-323-3-0005 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-3-0101

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ 7-323-3-9446

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ 7-323-3-9442

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)

Lot ID: 2485338

Date Received : Aug 07, 2024

Date Reported : Aug 16, 2024

Report Number : 3064926-2

Page 1 of 1

Sample Number	2485338-1
Sampled Date	Aug 07, 2024 9:20 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Aug 08, 2024
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	5.45	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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

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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)

Lot ID: 2494446

Date Received : Sep 04, 2024

Date Reported : Sep 12, 2024

Report Number : 3084882-1

Page 1 of 2

Sample Number	2494446-1						
Sampled Date	Sep 04, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Sep 04, 2024						
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	-	2.0	3.2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	22	≤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	22	≤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		-	-	7.4	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	-	-	31.2	≤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	328	≤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	6.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

หมายเลขโทรศัพท์ 7-323-9-0028

Approved by

D. Chumon

Dej Changchon
Senior Manager

หมายเลขโทรศัพท์ 7-323-9-0001

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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)

Lot ID: 2494446

Date Received : Sep 04, 2024

Date Reported : Sep 12, 2024

Report Number : 3084882-1

Page 2 of 2

Sample Number	2494446-1						
Sampled Date	Sep 04, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Sep 04, 2024						
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 Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 2494446) is 23.9 mg/L

Sampling By : Wanlop Hunchainao เลขที่ 7-323-9-0038

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

Photchana S.

Photchana Seeda
Scientist (4)

หมายเลขโทรศัพท์ 7-323-9-0028

Approved by

D. Chumon

Dej Changchon
Senior Manager

หมายเลขโทรศัพท์ 7-323-9-0001

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S:\Reports\AL_GL_rpt (9:02AM)



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 : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2494446

Date Received : Sep 04, 2024

Date Reported : Sep 12, 2024

Report Number : 3084882-2

Page 1 of 1

Sample Number	2494446-1
Sampled Date	Sep 04, 2024 9:40 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Sep 05, 2024
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	6.58	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Note : Raw data of COD value (Refer to Lot ID 2494446) is 23.9 mg/L

Sampling By : Wanlop Hunchainaw

Remark :

- LOD : Limit of Detection

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

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Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 24105031

Date Received : Oct 02, 2024

Date Reported : Oct 10, 2024

Report Number : 3107748-1

Page 1 of 2

Sample Number	24105031-1
Sampled Date	Oct 02, 2024 10:20 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Oct 02, 2024
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	15	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	280	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchanas.

Photchanas Seeda
Scientist (4)

โทรเลขเลขที่ 7-323-9-0028

Approved by

D. Chongchon

Dej Changchon
Senior Manager

โทรเลขเลขที่ 7-323-9-0001

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 24105031

Date Received : Oct 02, 2024

Date Reported : Oct 10, 2024

Report Number : 3107748-1

Page 2 of 2

Sample Number	24105031-1
Sampled Date	Oct 02, 2024 10:20 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Oct 02, 2024
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 24105031-1) is 13.1 mg/L

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ร-323-ก-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-ก-0002

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ร-323-ก-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ร-323-ก-0001

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location: Map Ta Phut_Latex (SSLC)

Lot ID: 24105031

Date Received : Oct 02, 2024

Date Reported : Oct 08, 2024

Report Number : 3107748-2

Page 1 of 1

Sample Number	24105031-1
Sampled Date	Oct 02, 2024 10:20 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Oct 04, 2024
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	4.11	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

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

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ร-323-ก-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-ก-0002

Remark :

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

Technical Management

Van S.

Narin Saiseng

Supervisor

ทะเบียนเลขที่ ร-204-ก-0009

Approved by

Kanokkorn Anek

Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ ร-204-ก-0004

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4515493615
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042
Lot ID: 24122389
Date Received : Nov 06, 2024
Date Reported : Nov 14, 2024
Report Number : 3147232-1

Page 1 of 2

Sample Number	24122389-1						
Sampled Date	Nov 06, 2024 9:15 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Nov 06, 2024						
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	26	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	20	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	18	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	576	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.5	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

หมายเลขโทรศัพท์ 7-323-9-0028

Approved by

D. Chumon

Dej Changchon
Senior Manager

หมายเลขโทรศัพท์ 7-323-9-0001

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4515493615
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042
Lot ID: 24122389
Date Received : Nov 06, 2024
Date Reported : Nov 14, 2024
Report Number : 3147232-1

Page 2 of 2

Sample Number	24122389-1						
Sampled Date	Nov 06, 2024 9:15 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Nov 06, 2024						
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

Sampling By : Chainusorn Lertnathakunchai หมายเลขโทรศัพท์ 7-323-9-0041 , Pattarapol Sawangjaitam หมายเลขโทรศัพท์ 7-204-9-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

หมายเลขโทรศัพท์ 7-323-9-0028

Approved by

D. Chumon

Dej Changchon
Senior Manager

หมายเลขโทรศัพท์ 7-323-9-0001

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

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

P/O : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 24122389

Date Received : Nov 06, 2024

Date Reported : Nov 14, 2024

Report Number : 3147232-2

Page 1 of 1

Sample Number	24122389-1
Sampled Date	Nov 06, 2024 9:15 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Nov 08, 2024
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	5.05	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

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

Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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S:\Reports\PubRef_AL_GL_rpt (3:40PM)



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 : 4515493615

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 24133799

Date Received : Dec 04, 2024

Date Reported : Dec 13, 2024

Report Number : 3176046-1

Page 1 of 2

Sample Number	24133799-1
Sampled Date	Dec 04, 2024 9:00 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Dec 04, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	25	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	22	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	452	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

โทรเลขเลขที่ 7-323-9-0028

Approved by

D. Chongchon

Dej Chongchon
Senior Manager

โทรเลขเลขที่ 7-323-9-0001

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4515493615
Project Name : Water Testing
Project Location: Map Ta Phut_Latex (SSLC)



TESTING
No.0042
Lot ID: 24133799
Date Received : Dec 04, 2024
Date Reported : Dec 13, 2024
Report Number : 3176046-1

Page 2 of 2

Sample Number	24133799-1						
Sampled Date	Dec 04, 2024 9:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Dec 04, 2024						
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	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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

Note : Raw data of COD value (Refer to Lot ID 24133799-1) is 20.0 mg/L

Sampling By : Surawit Narapong ทะเบียนเลขที่ ร-323-ก-0011 , Thanasoun Namakunna ทะเบียนเลขที่ ร-204-ก-0101

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ร-323-ก-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ร-323-ก-0001

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4515493615
Project Name : Water Testing
Project Location: Map Ta Phut_Latex (SSLC)

Lot ID: 24133799
Date Received : Dec 04, 2024
Date Reported : Dec 13, 2024
Report Number : 3176046-2

Page 1 of 1

Sample Number	24133799-1						
Sampled Date	Dec 04, 2024 9:00 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Dec 06, 2024						
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	5.10	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Surawit Narapong , Thanasoun Namakunna

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

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Analysis / Test Report

TESTING
No.0042

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

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

Lot ID: 2455752
Date Received : Jul 03, 2024
Date Reported : Jan 02, 2025
Report Number : 3073898-1 C1

Page 1 of 2

Sample Number	2455752-1						
Sampled Date	Jul 03, 2024 10:10 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Jul 03, 2024						
Condition of Sample	Contained in four glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.1	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	35	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	440	≤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	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ๖-323-๖-0031

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ๖-323-๓-0001

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Analysis / Test Report

TESTING
No.0042

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

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

Lot ID: 2455752
Date Received : Jul 03, 2024
Date Reported : Jan 02, 2025
Report Number : 3073898-1 C1

Page 2 of 2

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

Note : This Analysis test report is reissued to supersede report No.3033931-1, Date Reported : Jul 11, 2024 due to revise analytical information.

Sampled By : Chainusorn Lertnathakunchai ทะเบียนเลขที่ ๖-323-๖-0041, Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :

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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ๖-323-๖-0031

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ๖-323-๓-0001

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Analysis / Test Report

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

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



TESTING
No.0009

Lot ID: 2455752
Date Received : Jul 03, 2024
Date Reported : Jan 02, 2025
Report Number : 3073898-3 C1

Page 1 of 1

Sample Number	2455752-1
Sampled Date	Jul 03, 2024 10:10 AM
Sample Description	Wastewater
Location	Outfall
Date Analysis Commenced	Jul 04, 2024
Condition of Sample	Contained in four 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							
Total Organic Carbon *	mg/L	0.01	0.1	10.7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Note : This Analysis test report is reissued to supersede report No.3033931-1, Date Reported : Jul 11, 2024 due to revise analytical information.

Sampled By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :
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Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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Analysis / Test Report

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

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



TESTING
No.0009

Lot ID: 2455752
Date Received : Jul 03, 2024
Date Reported : Jan 02, 2025
Report Number : 3073898-4 C1

Page 1 of 1

Sample Number	2455752-1
Sampled Date	Jul 03, 2024 10:10 AM
Sample Description	Wastewater
Location	Outfall
Date Analysis Commenced	Jul 05, 2024
Condition of Sample	Contained in four 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

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 reissued to supersede report No.3033931-1, Date Reported : Jul 11, 2024 due to revise analytical information.

Sampled By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

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Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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Analysis / Test Report

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



TESTING
No.0009
Lot ID: 2484758
Date Received : Jul 25, 2024
Date Reported : Jan 02, 2025
Report Number : 3063564-1 C1

Page 1 of 1

Sample Number	2484758-1
Sampled Date	Jul 25, 2024 9:20 AM
Sample Description	Wastewater
Location	Outfall
Date Analysis Commenced	Jul 26, 2024
Condition of Sample	Contained in two vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
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

Guideline :

Sampled By : Pattarapol Sawangjaitam

Remark :

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Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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Analysis / Test Report

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



TESTING
No.0042
Lot ID: 2485330
Date Received : Aug 07, 2024
Date Reported : Aug 16, 2024
Report Number : 3064893-1 C1

Page 1 of 2

Sample Number	2485330-1
Sampling Date	Aug 07, 2024 10:11 AM
Sample Description	Wastewater
Location	Outfall
Date Analysis Commenced	Aug 07, 2024
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	52	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	11	≤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	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	796	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

Photchanas.

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ๖-323-๙-9446

Approved by

D. Chongchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๙-9442

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Analysis / Test Report

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

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 2485330

Date Received : Aug 07, 2024

Date Reported : Aug 16, 2024

Report Number : 3064893-1 C1

Page 2 of 2

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

Sampling By : Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

เบอร์โทรเลขที่ 7-323-9-9446

Approved by

D. Changchon

Dej Changchon
Senior Manager

เบอร์โทรเลขที่ 7-323-9-9442

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Analysis / Test Report

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

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)

Lot ID: 2485330

Date Received : Aug 07, 2024

Date Reported : Aug 16, 2024

Report Number : 3064893-3 C1

Page 1 of 1

Sample Number 2485330-1
Sampling Date Aug 07, 2024 10:11 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Aug 08, 2024
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	13.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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

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Analysis / Test Report

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

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



TESTING
No.0042
Lot ID: 2494411
Date Received : Sep 04, 2024
Date Reported : Jan 06, 2025
Report Number : 3084849-1 C1

Page 1 of 2

Sample Number	2494411-1						
Sampled Date	Sep 04, 2024 10:30 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Sep 04, 2024						
Condition of Sample	Contained in six glass vials, three amber glass bottles and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	35	≤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	8	≤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	6	≤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		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	536	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ 7-323-ก-0028

Approved by

D. Khunou.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-ก-0001

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Analysis / Test Report

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

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



TESTING
No.0042
Lot ID: 2494411
Date Received : Sep 04, 2024
Date Reported : Jan 06, 2025
Report Number : 3084849-1 C1

Page 2 of 2

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampled By : Wanlop Hunchainaoow ทะเบียนเลขที่ 7-323-ก-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ 7-204-ก-0002

Remark :

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

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ 7-323-ก-0028

Approved by

D. Khunou.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-ก-0001

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Analysis / Test Report

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

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



TESTING
No.0009

Lot ID: 2494411
Date Received : Sep 04, 2024
Date Reported : Jan 06, 2025
Report Number : 3084849-3 C1

Page 1 of 1

Sample Number	2494411-1
Sampled Date	Sep 04, 2024 10:30 AM
Sample Description	Wastewater
Location	Outfall
Date Analysis Commenced	Sep 05, 2024
Condition of Sample	Contained in six glass vials, three amber glass bottles and eight 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	10.8	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).

Sampled By : Wanlop Hunchainaow , Pattarapol Sawangjalatam

Remark :

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

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

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



TESTING
No.0042

Lot ID: 24105028
Date Received : Oct 02, 2024
Date Reported : Jan 06, 2025
Report Number : 3107730-1 C1

Page 1 of 2

Sample Number	24105028-1
Sampled Date	Oct 02, 2024 11:10 AM
Sample Description	Wastewater
Location	Outfall (จุดติดตั้งอุปกรณ์บริเวณน้ำทิ้งระบบออกนอกโรงงาน)
Date Analysis Commenced	Oct 02, 2024
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	35	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	34.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	564	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ 7-323-4-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-4-0001

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Analysis / Test Report

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

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 24105028

Date Received : Oct 02, 2024

Date Reported : Jan 06, 2025

Report Number : 3107730-1 C1

Page 2 of 2

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

Sampled By : Sansoen Khuiyoksui ทะเบียนเลขที่ ร-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-จ-0002

Remark :

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Technical Management

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Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ร-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ร-323-ค-0001

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Analysis / Test Report

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

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0009

Lot ID: 24105028

Date Received : Oct 02, 2024

Date Reported : Jan 06, 2025

Report Number : 3107730-2 C1

Page 1 of 1

Sample Number 24105028-1
Sampled Date Oct 02, 2024 11:10 AM
Sample Description Wastewater
Location Outfall (จุดติดตั้งอุปกรณ์รับน้ำทิ้งระบายออกนอกโรงงาน)
Date Analysis Commenced Oct 03, 2024
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, 24th ed., 2023, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon *	mg/L	0.01	0.1	10.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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).

Sampled By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

Remark :

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Approved by

Chanatt L.

Chanattagarn Inchom
Section Head



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: 24122386
Date Received : Nov 15, 2024
Date Reported : Jan 06, 2025
Report Number : 3147224-1 C1

Page 1 of 2

Sample Number	24122386-1						
Sampled Date	Nov 15, 2024 9:15 AM						
Sample Description	Wastewater						
Location	Outfall (จุดติดตั้งอุปกรณ์บริเวณน้ำทิ้งระบายออกนอกโรงงาน)						
Date Analysis Commenced	Nov 15, 2024						
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	32	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	352	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	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, 24th ed., 2023, part 2540 C	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ 7-323-ก-0028

Approved by

D. Khunou.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 7-323-ก-0001

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Analysis / Test Report

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



TESTING
No.0042
Lot ID: 24122386
Date Received : Nov 15, 2024
Date Reported : Jan 06, 2025
Report Number : 3147224-1 C1

Page 2 of 2

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampled By: Wanlop Hunchainaoow ทะเบียนเลขที่ 7-323-ก-0038 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-ก-0101

Remark :

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Technical Management

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Photchana Seeda
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ทะเบียนเลขที่ 7-323-ก-0028

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Analysis / Test Report

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



TESTING
No.0009
Lot ID: 24122386
Date Received : Nov 15, 2024
Date Reported : Jan 06, 2025
Report Number : 3147224-3 C1

Page 1 of 1

Sample Number	24122386-1
Sampled Date	Nov 15, 2024 9:15 AM
Sample Description	Wastewater
Location	Outfall (จุดติดตั้งอุปกรณ์บริเวณน้ำทิ้งระบายออกนอกโรงงาน)
Date Analysis Commenced	Nov 16, 2024
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, 24th ed., 2023, 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, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon *	mg/L	0.01	0.1	6.60	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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).
Sampled By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :
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Chanattagarn Imchom
Section Head

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Life Sciences

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6506-102/ EMAIL



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 :
Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042
Lot ID: 24133796
Date Received : Dec 10, 2024
Date Reported : Jan 07, 2025
Report Number : 3176039-1 C1

Page 1 of 2

Sample Number	24133796-1
Sampled Date	Dec 10, 2024 8:42 AM
Sample Description	Wastewater
Location	Outfall
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	49	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	14	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1056	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ๖-323-๖-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ๖-323-๖-0001

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

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P/O :

Project Name :

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 24133796

Date Received : Dec 10, 2024

Date Reported : Jan 07, 2025

Report Number : 3176039-1 C1

Page 2 of 2

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

Sampled By : Sansoen Khuiyoksui ทะเบียนเลขที่ 7-323-จ-0005 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-จ-0101

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

Photchana S.

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ 7-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ 7-323-จ-0001

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P/O :

Project Name :

Project Location: Map Ta Phut_PE (SPE)

Lot ID: 24133796

Date Received : Dec 10, 2024

Date Reported : Jan 07, 2025

Report Number : 3176039-3 C1

Page 1 of 1

Sample Number	24133796-1
Sampled Date	Dec 10, 2024 8:42 AM
Sample Description	Wastewater
Location	Outfall
Date Analysis Commenced	Dec 12, 2024
Condition of Sample	Contained in six glass vials, two amber glass bottles and seven plastic bottle, 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, 24th ed., 2023, 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, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	18.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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).

Sampled By : Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

- LOD : Limit of Detection
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Siriluk P.

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