

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: 2417230

Date Received : Jun 12, 2024

Date Reported : Jun 20, 2024

Report Number: 2910542-1

Page 1 of 2

Sample Number 2417230-1
Sampled Date Jun 12, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Jun 13, 2024
Condition of Sample Extracted into two 2-L collection flasks and one 10-L air sampling bag

Stack Description

Ambient Pressure	757	mmHg	Diameter	1.40	m	Oxygen	5.5	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	8.8	%
Type of Process	Combustion		Stack Temperature	205	°C	Gas Velocity	6.1	m/s
Type of Fuel	Natural Gas		Moisture	12.77	%	Flow Rate (Actual O2)	18236	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂ , at 5.5 % O ₂		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Carbon Monoxide	12:20 PM - 12:30 PM	ppm	-	1.0	<1.0	<1.0	690	-	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen	12:10 PM - 12:20 PM	ppm	-	1.06	8.48	9.40	200	25	United States Environmental Protection Agency, EPA Method 7	Rayong

Guideline :

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 Mar 5, B.E.2557.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-ก-9447

Approved by

D. Changchon

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

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Life Sciences

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4989-122/ EMAIL

S:\Reports\Air Stack_O2_2GL.rpt (1:02PM)



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: 2417230

Date Received : Jun 12, 2024

Date Reported : Jun 20, 2024

Report Number: 2910542-1

Page 2 of 2

Sample Number 2417230-1
Sampled Date Jun 12, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Jun 13, 2024
Condition of Sample Extracted into two 2-L collection flasks and one 10-L air sampling bag

Stack Description

Ambient Pressure	757	mmHg	Diameter	1.40	m	Oxygen	5.5	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	8.8	%
Type of Process	Combustion		Stack Temperature	205	°C	Gas Velocity	6.1	m/s
Type of Fuel	Natural Gas		Moisture	12.77	%	Flow Rate (Actual O2)	18236	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Carbon Monoxide	12:20 PM - 12:30 PM	g/s	-	-	<0.006	-	-	Calculated	Rayong
Oxides of Nitrogen	12:10 PM - 12:20 PM	g/s	-	-	0.090	-	0.390	Calculated	Rayong

Guideline :

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 Mar 5, B.E.2557.

Sampled By : Warawut Pubpa

Remark :

- LOD : Limit of Detection

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

Technical Management

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Thanita Kulsuriwong
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ทะเบียนเลขที่ ว-323-ก-9447

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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417230

Date Received : Jun 12, 2024

Date Reported : Jun 20, 2024

Report Number: 2910542-2

Page 1 of 1

Sample Number 2417230-1
Sampled Date Jun 12, 2024
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Jun 13, 2024
Condition of Sample Extracted into two 2-L collection flasks and one 10-L air sampling bag

Stack Description

Ambient Pressure	757	mmHg	Diameter	1.40	m	Oxygen	5.5	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	8.8	%
Type of Process	Combustion		Stack Temperature	205	°C	Gas Velocity	6.1	m/s
Type of Fuel	Natural Gas		Moisture	12.77	%	Flow Rate (Actual O2)	18236	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Methane as Propane	12:20 PM - 12:30 PM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	12:20 PM - 12:30 PM	ppm	-	0.4	0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	12:20 PM - 12:30 PM	ppm	-	0.4	0.8	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pubpa

Remark :

- LOD : Limit of Detection
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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: 2417240

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910599-1

Page 1 of 1

Sample Number 2417240-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Spin Dryer 1 (GPS 47P 0733967, 1404426)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.63 x 0.63	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Square		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	44.0	°C	Gas Velocity	7.1	m/s
Type of Fuel	-		Moisture	2.71	%	Flow Rate (Actual O2)	9271	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	10:50 AM - 11:15 AM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Jaradrawee Siruksa

Remark :

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

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ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417240

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910599-2

Page 1 of 1

Sample Number 2417240-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Spin Dryer 1 (GPS 47P 0733967, 1404426)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.63 x 0.63	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Square		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	44.0	°C	Gas Velocity	7.1	m/s
Type of Fuel	-		Moisture	2.71	%	Flow Rate (Actual O2)	9271	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	10:50 AM - 11:15 AM	ppm	-	1.0	4522	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	10:50 AM - 11:15 AM	ppm	-	0.4	1.0	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	10:50 AM - 11:15 AM	ppm	-	0.4	10.2	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	10:50 AM - 11:15 AM	ppm	-	0.4	11.2	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Jaradrawee Sriruksa

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: 2417238

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910554-1

Page 1 of 1

Sample Number 2417238-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Hold Up Hopper 1 (GPS 47P 0733995, 1404455)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.25	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	46.0	°C	Gas Velocity	3.8	m/s
Type of Fuel	-		Moisture	2.49	%	Flow Rate (Actual O2)	600	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	11:30 AM - 11:55 AM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Jaradrawee Sriruksa

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

Dej Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417238

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910554-2

Page 1 of 1

Sample Number 2417238-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Hold Up Hopper 1 (GPS 47P 0733995, 1404455)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.25	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	46.0	°C	Gas Velocity	3.8	m/s
Type of Fuel	-		Moisture	2.49	%	Flow Rate (Actual O2)	600	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	11:30 AM - 11:55 AM	ppm	-	1.0	3330	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	11:30 AM - 11:55 AM	ppm	-	0.4	3.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	11:30 AM - 11:55 AM	ppm	-	0.4	589	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	11:30 AM - 11:55 AM	ppm	-	0.4	592	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Jaradrawee Sriruksa

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: 2417239

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910596-1

Page 1 of 1

Sample Number 2417239-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Blenders 1 (GPS 47P 0733984, 1404492)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.60	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	34.0	°C	Gas Velocity	1.2	m/s
Type of Fuel	-		Moisture	2.05	%	Flow Rate (Actual O2)	1155	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	10:10 AM - 10:35 AM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Warawut Pubpa

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417239

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910596-2

Page 1 of 1

Sample Number 2417239-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Blenders 1 (GPS 47P 0733984, 1404492)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.60	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	34.0	°C	Gas Velocity	1.2	m/s
Type of Fuel	-		Moisture	2.05	%	Flow Rate (Actual O2)	1155	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	11:00 AM - 11:35 AM	ppm	-	1.0	4680	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	10:10 AM - 10:35 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	10:10 AM - 10:35 AM	ppm	-	0.4	231	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	10:10 AM - 10:35 AM	ppm	-	0.4	231	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pubpa

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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2452939

Date Received : Jun 12, 2024

Date Reported : Jun 20, 2024

Report Number: 2989550-1

Page 1 of 2

Sample Number 2452939-1
Sampled Date Jun 12, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Jun 13, 2024
Condition of Sample Extracted into two 2-L collection flasks and one 10-L air sampling bag

Stack Description

Ambient Pressure	757	mmHg	Diameter	1.53	m	Oxygen	4.6	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	9.3	%
Type of Process	Combustion		Stack Temperature	220	°C	Gas Velocity	5.5	m/s
Type of Fuel	Natural Gas		Moisture	12.38	%	Flow Rate (Actual O2)	19110	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 % O ₂	Result at 4.6 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Carbon Monoxide	10:50 AM - 11:00 AM	ppm	-	1.0	<1.0	<1.0	690	-	United States Environmental Protection Agency, EPA Method 10	Rayong
Oxides of Nitrogen	10:40 AM - 10:50 AM	ppm	-	1.06	8.58	10.06	200	25	United States Environmental Protection Agency, EPA Method 7	Rayong

Guideline :

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 Mar 5, B.E.2557.

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Thanita Kulsuriwong
Scientist (4)

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Approved by

D. Chongchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ก-9442

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4989-122/ EMAIL

S:\Reports\Air Stack_O2_2GL.rpt (1:11PM)



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: 2452939

Date Received : Jun 12, 2024

Date Reported : Jun 20, 2024

Report Number: 2989550-1

Page 2 of 2

Sample Number 2452939-1
Sampled Date Jun 12, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Jun 13, 2024
Condition of Sample Extracted into two 2-L collection flasks and one 10-L air sampling bag

Stack Description

Ambient Pressure	757	mmHg	Diameter	1.53	m	Oxygen	4.6	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	9.3	%
Type of Process	Combustion		Stack Temperature	220	°C	Gas Velocity	5.5	m/s
Type of Fuel	Natural Gas		Moisture	12.38	%	Flow Rate (Actual O2)	19110	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Carbon Monoxide	10:50 AM - 11:00 AM	g/s	-	-	<0.006	-	-	Calculated	Rayong
Oxides of Nitrogen	10:40 AM - 10:50 AM	g/s	-	-	0.101	-	0.429	Calculated	Rayong

Guideline :

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 Mar 5, B.E.2557.

Sampled By : Warawut Pubpa

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ๖-323-๙-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ๖-323-๙-9442

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S:\Reports_Air Stack_O2_2GL.rpt (1:11PM)



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: 2452939

Date Received : Jun 12, 2024

Date Reported : Jun 20, 2024

Report Number: 2989550-2

Page 1 of 1

Sample Number 2452939-1
Sampled Date Jun 12, 2024
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced Jun 13, 2024
Condition of Sample Extracted into two 2-L collection flasks and one 10-L air sampling bag

Stack Description

Ambient Pressure	757	mmHg	Diameter	1.53	m	Oxygen	4.6	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	9.3	%
Type of Process	Combustion		Stack Temperature	220	°C	Gas Velocity	5.5	m/s
Type of Fuel	Natural Gas		Moisture	12.38	%	Flow Rate (Actual O2)	19110	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Methane as Propane	10:50 AM - 11:00 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	10:50 AM - 11:00 AM	ppm	-	0.4	0.8	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	10:50 AM - 11:00 AM	ppm	-	0.4	0.8	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pubpa

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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S:\Reports_Air Stack_NGL.rpt (1:11PM)



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: 2417241

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910601-1

Page 1 of 1

Sample Number 2417241-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Spin Dryer 2 (GPS 47P 0733702, 1404276)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.63 x 0.80	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Rectangular		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	49.0	°C	Gas Velocity	7.5	m/s
Type of Fuel	-		Moisture	2.93	%	Flow Rate (Actual O2)	12219	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	11:40 AM - 12:05 PM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Warawut Pubpa

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417241

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910601-2

Page 1 of 1

Sample Number 2417241-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Spin Dryer 2 (GPS 47P 0733702, 1404276)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.63 x 0.80	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Rectangular		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	49.0	°C	Gas Velocity	7.5	m/s
Type of Fuel	-		Moisture	2.93	%	Flow Rate (Actual O2)	12219	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Carbon dioxide	11:40 AM - 12:05 PM	ppm	-	1.0	6710	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	11:40 AM - 12:05 PM	ppm	-	0.4	0.9	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	11:40 AM - 12:05 PM	ppm	-	0.4	21.3	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	11:40 AM - 12:05 PM	ppm	-	0.4	21.3	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pubpa

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: 2417242

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910604-1

Page 1 of 1

Sample Number 2417242-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Hold Up Hopper 2 (GPS 47P 0734013, 1404453)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.20	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	43.0	°C	Gas Velocity	6.9	m/s
Type of Fuel	-		Moisture	2.71	%	Flow Rate (Actual O2)	716	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	12:20 PM - 12:45 PM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Warawut Pubpa

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-ก-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ก-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417242

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910604-2

Page 1 of 1

Sample Number 2417242-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Hold Up Hopper 2 (GPS 47P 0734013, 1404453)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.20	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	43.0	°C	Gas Velocity	6.9	m/s
Type of Fuel	-		Moisture	2.71	%	Flow Rate (Actual O2)	716	Nm3/hr

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

Carbon dioxide	12:20 PM - 12:45 PM	ppm	-	1.0	6690	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	12:20 PM - 12:45 PM	ppm	-	0.4	6.9	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	12:20 PM - 12:45 PM	ppm	-	0.4	290	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	12:20 PM - 12:45 PM	ppm	-	0.4	297	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pubpa

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: 2417243

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910605-1

Page 1 of 1

Sample Number 2417243-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.30	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	39.0	°C	Gas Velocity	2.7	m/s
Type of Fuel	-		Moisture	2.49	%	Flow Rate (Actual O2)	646	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Testing Location
Air Testing								
Carbon Monoxide	11:00 AM - 11:25 AM	ppm	-	1.0	<1.0	870	United States Environmental Protection Agency, EPA Method 10	Rayong

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

Sampled By : Warawut Pubpa

Remark :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417243

Date Received : Jun 13, 2024

Date Reported : Jun 21, 2024

Report Number: 2910605-2

Page 1 of 1

Sample Number 2417243-1
Sampled Date Jun 13, 2024
Sample Description Emission from Stationary Source
Location Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced Jun 14, 2024
Condition of Sample Extracted into one 25-L air sampling bag

Stack Description

Ambient Pressure	756	mmHg	Diameter	0.30	m	Oxygen	20.9	%
Ambient Temperature	33.3	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	39.0	°C	Gas Velocity	2.7	m/s
Type of Fuel	-		Moisture	2.49	%	Flow Rate (Actual O2)	646	Nm3/hr

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

Carbon dioxide	11:00 AM - 11:25 AM	ppm	-	1.0	4210	United States Environmental Protection Agency, EPA Method 3	Rayong
Methane as Propane	11:00 AM - 11:25 AM	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Non-Methane Hydrocarbon as Propane	11:00 AM - 11:25 AM	ppm	-	0.4	437	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong
Total Hydrocarbon as Propane	11:00 AM - 11:25 AM	ppm	-	0.4	437	Total Hydrocarbon Analyzer, Based on US EPA Method 25A	Rayong

Sampled By : Warawut Pubpa

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2417706

Date Received : Jun 18, 2024

Date Reported : Jun 24, 2024

Report Number : 2911613-1C5

Page 1 of 1

Sample Description Air Quality

Location บ้านลำโรงใหญ่ (โรงพยาบาลส่งเสริมสุขภาพตำบลตากวน) (GPS 47P 0735531, 1402769)

Parameter Nitrogen dioxide (ppm)

Measurement Date Jun 09, 2024 - Jun 16, 2024

Measurement by Chatchai Sukpia

Time	2417706-1 Jun 09, 2024	2417706-2 Jun 10, 2024	2417706-3 Jun 11, 2024	2417706-4 Jun 12, 2024	2417706-5 Jun 13, 2024	2417706-6 Jun 14, 2024	2417706-7 Jun 15, 2024
10:00 AM - 11:00 AM	0.008	0.018	0.022	0.006	0.002	0.007	0.014
11:00 PM - 12:00 AM	0.015	0.012	0.044	0.013	0.002	0.006	0.010
12:00 PM - 01:00 PM	0.019	0.012	0.034	0.017	0.002	0.006	0.005
01:00 PM - 02:00 PM	0.017	0.013	0.024	0.014	0.002	0.008	0.005
02:00 PM - 03:00 PM	0.016	0.012	0.021	0.019	0.003	0.010	0.006
03:00 PM - 04:00 PM	0.016	0.022	0.018	0.018	0.006	0.015	0.010
04:00 PM - 05:00 PM	0.009	0.035	0.024	0.008	0.006	0.017	0.019
05:00 PM - 06:00 PM	0.008	0.034	0.033	0.010	0.007	0.018	0.022
06:00 PM - 07:00 PM	0.010	0.031	0.035	0.011	0.004	0.016	0.020
07:00 PM - 08:00 PM	0.011	0.032	0.032	0.008	0.003	0.017	0.016
08:00 PM - 09:00 PM	0.007	0.032	0.027	0.010	0.002	0.010	0.015
09:00 PM - 10:00 PM	0.004	0.024	0.024	0.011	0.001	0.008	0.009
10:00 PM - 11:00 PM	0.002	0.018	0.020	0.012	0.001	0.010	0.012
11:00 PM - 12:00 AM	0.003	0.018	0.025	0.013	<0.001	0.008	0.013
12:00 AM - 01:00 AM	0.002	0.019	0.023	0.010	<0.001	0.008	0.006
01:00 AM - 02:00 AM	0.003	0.021	0.016	0.012	<0.001	0.006	0.006
02:00 AM - 03:00 AM	0.002	0.019	0.013	0.010	0.001	0.008	0.010
03:00 AM - 04:00 AM	0.002	0.015	0.018	0.012	0.002	0.009	0.008
04:00 AM - 05:00 AM	0.003	0.017	0.020	0.013	0.004	0.010	0.009
05:00 AM - 06:00 AM	0.006	0.019	0.021	0.020	0.010	0.009	0.012
06:00 AM - 07:00 AM	0.015	0.022	0.025	0.022	0.005	0.008	0.006
07:00 AM - 08:00 AM	0.015	0.020	0.015	0.017	0.009	0.007	0.005
08:00 AM - 09:00 AM	0.015	0.021	0.006	0.011	0.011	0.007	0.003
09:00 AM - 10:00 AM	0.024	0.017	0.006	0.001	0.012	0.013	0.004
Average	0.010	0.021	0.023	0.012	0.004	0.010	0.010
1hr - Maximum	0.024	0.035	0.044	0.022	0.012	0.018	0.022
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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

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Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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: 2417709

Date Received : Jun 18, 2024

Date Reported : Jun 24, 2024

Report Number : 2911617-1C5

Page 1 of 1

Sample Description Air Quality

Location บ้านสวนตาคู (GPS 47P 0735346, 1406705)

Parameter Nitrogen dioxide (ppm)

Measurement Date Jun 09, 2024 - Jun 16, 2024

Measurement by Chatchai Sukpia

Time	2417709-1 Jun 09, 2024	2417709-2 Jun 10, 2024	2417709-3 Jun 11, 2024	2417709-4 Jun 12, 2024	2417709-5 Jun 13, 2024	2417709-6 Jun 14, 2024	2417709-7 Jun 15, 2024
11:00 AM - 12:00 PM	0.021	0.009	0.012	0.008	0.007	0.007	0.008
12:00 PM - 01:00 PM	0.016	0.008	0.008	0.006	0.006	0.005	0.007
01:00 PM - 02:00 PM	0.012	0.008	0.007	0.007	0.006	0.004	0.003
02:00 PM - 03:00 PM	0.008	0.010	0.007	0.007	0.007	0.005	0.002
03:00 PM - 04:00 PM	0.009	0.008	0.008	0.009	0.006	0.005	0.002
04:00 PM - 05:00 PM	0.005	0.008	0.007	0.010	0.009	0.008	0.004
05:00 PM - 06:00 PM	0.004	0.007	0.007	0.012	0.010	0.010	0.006
06:00 PM - 07:00 PM	0.006	0.008	0.010	0.015	0.012	0.018	0.006
07:00 PM - 08:00 PM	0.010	0.011	0.012	0.013	0.018	0.020	0.008
08:00 PM - 09:00 PM	0.012	0.019	0.018	0.018	0.022	0.020	0.003
09:00 PM - 10:00 PM	0.013	0.020	0.023	0.012	0.021	0.018	0.002
10:00 PM - 11:00 PM	0.010	0.015	0.019	0.009	0.016	0.017	0.002
11:00 PM - 12:00 AM	0.009	0.009	0.014	0.014	0.011	0.019	0.002
12:00 AM - 01:00 AM	0.009	0.011	0.011	0.012	0.008	0.014	0.002
01:00 AM - 02:00 AM	0.011	0.010	0.010	0.012	0.007	0.014	0.002
02:00 AM - 03:00 AM	0.011	0.011	0.014	0.013	0.015	0.007	0.002
03:00 AM - 04:00 AM	0.011	0.010	0.007	0.013	0.010	0.012	0.002
04:00 AM - 05:00 AM	0.007	0.006	0.015	0.015	0.008	0.006	0.003
05:00 AM - 06:00 AM	0.008	0.011	0.010	0.014	0.005	0.004	0.002
06:00 AM - 07:00 AM	0.007	0.014	0.009	0.013	0.013	0.002	0.002
07:00 AM - 08:00 AM	0.008	0.018	0.014	0.012	0.010	0.004	0.002
08:00 AM - 09:00 AM	0.011	0.016	0.011	0.014	0.011	0.005	0.003
09:00 AM - 10:00 AM	0.011	0.012	0.012	0.015	0.013	0.007	0.003
10:00 AM - 11:00 AM	0.013	0.015	0.012	0.013	0.010	0.009	0.006
Average	0.010	0.011	0.012	0.012	0.011	0.010	0.004
1hr - Maximum	0.021	0.020	0.023	0.018	0.022	0.020	0.008
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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

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Approved by

Orawan R.

Orawan Rakyong
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Life Sciences

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417179

Date Received : Jun 18, 2024

Date Reported : Jun 24, 2024

Report Number: 2910496-1

Page 1 of 1

Sample Description	Air Quality						
Location	สถานีอนามัยเทศบาล (GPS 47P 0735187, 1405873)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Jun 09, 2024 - Jun 16, 2024						
Measurement by	Chatchai Sukpia						
Time	2417179-1 Jun 09, 2024	2417179-2 Jun 10, 2024	2417179-3 Jun 11, 2024	2417179-4 Jun 12, 2024	2417179-5 Jun 13, 2024	2417179-6 Jun 14, 2024	2417179-7 Jun 15, 2024
09:00 AM - 10:00 AM	0.010	0.013	0.017	0.019	0.013	0.013	0.015
10:00 AM - 11:00 AM	0.010	0.010	0.010	0.019	0.014	0.014	0.014
11:00 PM - 12:00 AM	0.010	0.011	0.013	0.015	0.018	0.017	0.011
12:00 PM - 01:00 PM	0.010	0.016	0.014	0.020	0.016	0.026	0.010
01:00 PM - 02:00 PM	0.012	0.019	0.019	0.021	0.022	0.026	0.007
02:00 PM - 03:00 PM	0.017	0.022	0.015	0.027	0.038	0.030	0.023
03:00 PM - 04:00 PM	0.017	0.023	0.041	0.023	0.028	0.032	0.028
04:00 PM - 05:00 PM	0.014	0.020	0.023	0.016	0.022	0.026	0.020
05:00 PM - 06:00 PM	0.012	0.014	0.011	0.014	0.016	0.029	0.011
06:00 PM - 07:00 PM	0.010	0.012	0.011	0.012	0.010	0.020	0.012
07:00 PM - 08:00 PM	0.011	0.012	0.008	0.006	0.009	0.014	0.018
08:00 PM - 09:00 PM	0.006	0.009	0.011	0.005	0.014	0.010	0.012
09:00 PM - 10:00 PM	0.005	0.009	0.010	0.006	0.008	0.008	0.012
10:00 PM - 11:00 PM	0.006	0.005	0.009	0.007	0.006	0.005	0.006
11:00 PM - 12:00 AM	0.010	0.012	0.010	0.008	0.003	0.004	0.004
12:00 AM - 01:00 AM	0.009	0.010	0.008	0.007	0.006	0.003	0.003
01:00 AM - 02:00 AM	0.011	0.013	0.006	0.008	0.006	0.003	0.003
02:00 AM - 03:00 AM	0.012	0.013	0.013	0.006	0.009	0.004	0.004
03:00 AM - 04:00 AM	0.018	0.020	0.017	0.008	0.013	0.006	0.006
04:00 AM - 05:00 AM	0.016	0.026	0.016	0.014	0.014	0.006	0.006
05:00 AM - 06:00 AM	0.013	0.023	0.015	0.008	0.012	0.006	0.004
06:00 AM - 07:00 AM	0.011	0.012	0.011	0.010	0.010	0.006	0.007
07:00 AM - 08:00 AM	0.010	0.014	0.011	0.011	0.010	0.015	0.007
08:00 AM - 09:00 AM	0.016	0.012	0.013	0.014	0.011	0.018	0.007
Average	0.011	0.015	0.014	0.013	0.014	0.014	0.010
1hr - Maximum	0.018	0.026	0.041	0.027	0.038	0.032	0.028
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 EPAMethod Part 50 App. F (Chemiluminescence)

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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4989-122/ EMAIL

S:\Reports_Air SOxNOx.rpt (3:49PM)



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: 2417179

Date Received : Jun 18, 2024

Date Reported : Jun 24, 2024

Report Number: 3034184-1

Page 1 of 1

Sample Description	Air Quality						
Location	ศูนย์วิจัยปิโตรฯ จังหวัดระยอง (GPS 47P 0731794, 1408788)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Jun 09, 2024 - Jun 16, 2024						
Measurement by	Chatchai Sukpia						
Time	2417179-8 Jun 09, 2024	2417179-9 Jun 10, 2024	2417179-10 Jun 11, 2024	2417179-11 Jun 12, 2024	2417179-12 Jun 13, 2024	2417179-13 Jun 14, 2024	2417179-14 Jun 15, 2024
12:00 PM - 01:00 PM	0.006	0.006	0.009	0.006	0.006	0.005	0.004
01:00 PM - 02:00 PM	0.005	0.006	0.006	0.006	0.006	0.005	0.004
02:00 PM - 03:00 PM	0.005	0.004	0.007	0.005	0.004	0.004	0.004
03:00 PM - 04:00 PM	0.006	0.004	0.007	0.005	0.005	0.003	0.004
04:00 PM - 05:00 PM	0.005	0.004	0.006	0.005	0.005	0.004	0.004
05:00 PM - 06:00 PM	0.004	0.005	0.005	0.006	0.005	0.004	0.004
06:00 PM - 07:00 PM	0.004	0.004	0.007	0.005	0.006	0.005	0.005
07:00 PM - 08:00 PM	0.004	0.005	0.006	0.006	0.005	0.005	0.006
08:00 PM - 09:00 PM	0.005	0.007	0.005	0.006	0.008	0.007	0.007
09:00 PM - 10:00 PM	0.005	0.007	0.011	0.005	0.008	0.005	0.008
10:00 PM - 11:00 PM	0.003	0.006	0.010	0.005	0.008	0.007	0.012
11:00 PM - 12:00 AM	0.006	0.004	0.009	0.008	0.006	0.008	0.009
12:00 AM - 01:00 AM	0.004	0.006	0.008	0.007	0.004	0.006	0.006
01:00 AM - 02:00 AM	0.005	0.006	0.008	0.006	0.002	0.006	0.005
02:00 AM - 03:00 AM	0.002	0.004	0.009	0.004	0.004	0.003	0.004
03:00 AM - 04:00 AM	0.002	0.003	0.010	0.005	0.004	0.005	0.007
04:00 AM - 05:00 AM	0.003	0.002	0.007	0.006	0.004	0.005	0.006
05:00 AM - 06:00 AM	0.002	0.002	0.006	0.006	0.003	0.004	0.005
06:00 AM - 07:00 AM	0.003	0.003	0.006	0.008	0.004	0.004	0.004
07:00 AM - 08:00 AM	0.005	0.003	0.005	0.010	0.007	0.004	0.003
08:00 AM - 09:00 AM	0.005	0.005	0.008	0.012	0.009	0.006	0.004
09:00 AM - 10:00 AM	0.008	0.008	0.011	0.014	0.011	0.010	0.007
10:00 AM - 11:00 AM	0.009	0.007	0.009	0.013	0.009	0.008	0.006
11:00 AM - 12:00 PM	0.006	0.008	0.009	0.009	0.007	0.005	0.005
Average	0.005	0.005	0.008	0.007	0.006	0.005	0.006
1hr - Maximum	0.009	0.008	0.011	0.014	0.011	0.010	0.012
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 EPAMethod Part 50 App. F (Chemiluminescence)

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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S:\Reports_Air SOxNOx.rpt (3:50PM)



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: 2417710

Date Received :Jun 17, 2024

Date Reported :Jun 21, 2024

Report Number :2911620-1 CS

Page 1 of 2

Sample Number 2417710-1 to 7

Parameter Wind Speed / Wind Direction

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

Sampling Date Jun 09 - Jun 16, 2024

Sampling by Chatchai Sukpia

Time	Jun 09 - Jun 10, 2024			Jun 10 - Jun 11, 2024			Jun 11 - Jun 12, 2024			Jun 12 - Jun 13, 2024			Jun 13 - Jun 14, 2024			Jun 14 - Jun 15, 2024			Jun 15 - Jun 16, 2024			
	WS (m/s)	WD (deg)	SE	WS (m/s)	WD (deg)	S	WS (m/s)	WD (deg)	S	WS (m/s)	WD (deg)	SW	WS (m/s)	WD (deg)	SW	WS (m/s)	WD (deg)	W	WS (m/s)	WD (deg)	W	WS (m/s)
10:00 AM - 11:00 AM	2.1	138.0	SE	1.5	181.0	S	0.0	-	-	1.4	221.0	SW	1.7	270.0	W	4.5	270.0	W	2.6	208.0	SSW	
11:00 AM - 12:00 PM	2.5	114.0	ESE	4.5	197.0	SSW	1.9	249.0	WSW	0.7	201.0	SSW	1.2	266.0	W	3.0	248.0	WSW	3.6	230.0	SW	
12:00 PM - 01:00 PM	0.8	168.0	SSE	1.8	195.0	SSW	2.1	216.0	SW	1.6	220.0	SW	1.8	222.0	SW	2.1	212.0	SSW	4.6	219.0	SW	
01:00 PM - 02:00 PM	0.7	261.0	W	3.4	211.0	SSW	1.7	244.0	WSW	0.7	241.0	WSW	1.6	192.0	SSW	1.4	193.0	SSW	2.5	206.0	SSW	
02:00 PM - 03:00 PM	0.4	256.0	WSW	0.0	-	-	1.9	203.0	SSW	2.3	157.0	SSE	2.0	229.0	SW	0.5	259.0	W	0.8	241.0	WSW	
03:00 PM - 04:00 PM	1.1	246.0	WSW	1.3	185.0	S	1.9	69.0	ENE	0.4	247.0	WSW	0.7	184.0	S	2.3	247.0	WSW	2.2	217.0	SW	
04:00 PM - 05:00 PM	0.4	190.0	S	0.4	234.0	SW	4.4	307.0	NW	0.0	-	-	0.7	209.0	SSW	1.2	257.0	WSW	2.0	209.0	SSW	
05:00 PM - 06:00 PM	0.8	171.0	S	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.1	241.0	WSW	0.3	247.0	WSW	
06:00 PM - 07:00 PM	1.4	268.0	W	0.0	-	-	0.1	-	-	0.0	-	-	2.2	178.0	S	1.0	246.0	WSW	0.0	-	-	
07:00 PM - 08:00 PM	2.4	194.0	SSW	0.7	237.0	WSW	0.5	228.0	SW	3.8	253.0	WSW	1.5	230.0	SW	0.0	-	-	0.6	203.0	SSW	
08:00 PM - 09:00 PM	3.1	220.0	SW	0.0	-	-	1.6	272.0	W	0.0	-	-	0.0	-	-	0.0	-	-	0.3	201.0	SSW	
09:00 PM - 10:00 PM	0.8	30.0	NNE	2.7	253.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.8	255.0	WSW	
10:00 PM - 11:00 PM	1.4	242.0	WSW	0.4	229.0	SW	0.0	-	-	1.2	246.0	WSW	1.2	224.0	SW	0.2	-	-	0.0	-	-	
11:00 PM - 12:00 AM	0.0	-	-	3.8	230.0	SW	0.0	-	-	2.1	268.0	W	0.7	240.0	WSW	1.8	192.0	SSW	2.3	210.0	SSW	
12:00 AM - 01:00 AM	1.5	202.0	SSW	1.1	189.0	S	0.0	-	-	0.0	-	-	1.3	290.0	WNW	1.3	261.0	W	0.0	-	-	
01:00 AM - 02:00 AM	0.0	-	-	1.8	239.0	WSW	0.7	223.0	SW	1.6	273.0	W	2.6	297.0	WNW	1.7	230.0	SW	1.3	255.0	WSW	
02:00 AM - 03:00 AM	0.5	198.0	SSW	1.2	164.0	SSE	0.8	209.0	SSW	0.0	-	-	0.8	230.0	SW	1.5	250.0	WSW	0.7	253.0	WSW	
03:00 AM - 04:00 AM	2.1	258.0	WSW	0.7	160.0	SSE	0.0	-	-	0.0	-	-	1.6	268.0	W	1.0	237.0	WSW	1.7	241.0	WSW	
04:00 AM - 05:00 AM	0.0	-	-	2.4	160.0	SSE	0.4	209.0	SSW	0.3	254.0	WSW	0.0	-	-	1.1	266.0	W	0.9	241.0	WSW	
05:00 AM - 06:00 AM	1.5	192.0	SSW	0.9	210.0	SSW	0.9	178.0	S	0.8	104.0	ESE	0.0	-	-	0.0	-	-	0.0	-	-	
06:00 AM - 07:00 AM	4.3	220.0	SW	0.0	-	-	0.0	-	-	0.6	306.0	NW	0.0	-	-	1.4	239.0	WSW	0.8	242.0	WSW	
07:00 AM - 08:00 AM	2.5	158.0	SSE	2.9	213.0	SSW	2.1	240.0	WSW	2.0	231.0	SW	0.3	215.0	SW	0.6	304.0	NW	0.1	-	-	
08:00 AM - 09:00 AM	0.5	172.0	S	1.2	188.0	S	1.7	224.0	SW	0.6	246.0	WSW	1.2	183.0	S	1.0	184.0	S	1.6	242.0	WSW	
09:00 AM - 10:00 AM	1.5	132.0	SE	3.5	191.0	S	2.8	251.0	WSW	3.1	212.0	SSW	1.4	185.0	S	1.0	226.0	SW	1.8	240.0	WSW	

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

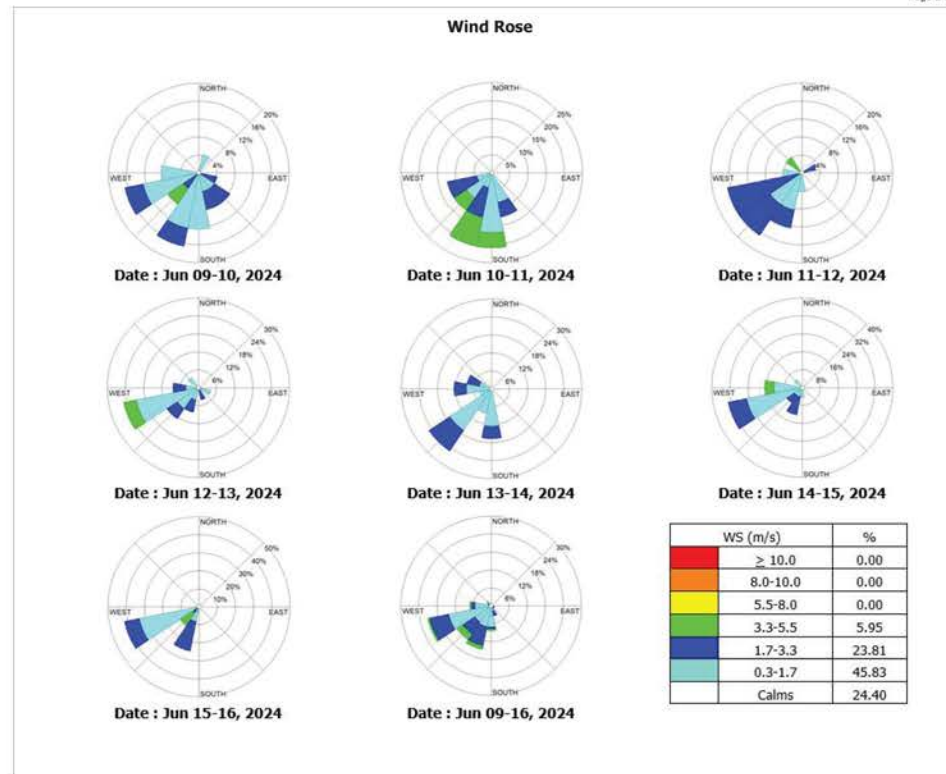
Lot ID: 2417710

Date Received :Jun 17, 2024

Date Reported :Jun 21, 2024

Report Number :2911620-1 CS

Page 2 of 2



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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417711

Date Received :Jun 17, 2024

Date Reported :Jun 21, 2024

Report Number :2911663-1 CS

Sample Number 2417711-1 to 7

Parameter Wind Speed / Wind Direction

Location บ้านนาหว้า (GPS 47P 0735346, 1406705)

Sampling Date Jun 09 - Jun 16, 2024

Sampling by Chatchai Sukpia

Time	Jun 09 - Jun 10, 2024			Jun 10 - Jun 11, 2024			Jun 11 - Jun 12, 2024			Jun 12 - Jun 13, 2024			Jun 13 - Jun 14, 2024			Jun 14 - Jun 15, 2024			Jun 15 - Jun 16, 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	1.4	207.0	SSW	1.1	311.0	NW	0.6	287.0	WNW	0.5	307.0	NW	1.3	263.0	W	2.2	282.0	WNW	2.2	261.0	W
12:00 PM - 01:00 PM	1.6	257.0	WSW	2.7	252.0	WSW	1.1	279.0	W	1.5	265.0	W	2.8	260.0	W	1.3	291.0	WNW	1.8	239.0	WSW
01:00 PM - 02:00 PM	1.7	284.0	WNW	2.9	241.0	WSW	2.2	249.0	WSW	1.0	281.0	W	1.5	332.0	NNW	1.6	242.0	WSW	4.2	272.0	W
02:00 PM - 03:00 PM	2.1	286.0	WNW	1.8	237.0	WSW	2.1	297.0	WNW	1.1	284.0	WNW	1.5	309.0	NW	3.8	220.0	SW	1.2	316.0	NW
03:00 PM - 04:00 PM	0.8	46.0	NE	1.6	280.0	W	1.1	274.0	W	1.0	326.0	NW	3.4	276.0	W	1.4	256.0	WSW	2.6	287.0	WNW
04:00 PM - 05:00 PM	1.3	338.0	NNW	1.0	310.0	NW	1.4	249.0	WSW	1.2	294.0	WNW	0.7	293.0	WNW	1.1	300.0	WNW	0.9	275.0	W
05:00 PM - 06:00 PM	0.6	202.0	SSW	1.9	280.0	W	0.4	301.0	WNW	0.5	285.0	WNW	0.5	297.0	WNW	0.7	283.0	WNW	0.9	257.0	WSW
06:00 PM - 07:00 PM	2.5	316.0	NW	1.5	294.0	WNW	0.7	68.0	ENE	0.8	284.0	WNW	0.4	314.0	NW	0.6	290.0	WNW	0.4	226.0	SW
07:00 PM - 08:00 PM	2.1	332.0	NNW	1.1	270.0	W	0.0	-	-	0.7	307.0	NW	0.8	286.0	WNW	0.5	300.0	WNW	0.3	294.0	WNW
08:00 PM - 09:00 PM	1.1	301.0	WNW	1.3	276.0	W	2.3	234.0	SW	0.7	278.0	W	2.7	294.0	WNW	0.0	-	-	1.7	263.0	W
09:00 PM - 10:00 PM	0.9	299.0	WNW	0.6	289.0	WNW	1.2	238.0	WSW	0.3	284.0	WNW	0.5	255.0	WSW	1.1	309.0	NW	1.0	315.0	NW
10:00 PM - 11:00 PM	1.0	315.0	NW	1.6	279.0	W	0.5	291.0	WNW	1.6	275.0	W	1.9	230.0	SW	2.5	276.0	W	0.9	281.0	W
11:00 PM - 12:00 AM	2.1	256.0	WSW	1.6	343.0	NNW	0.0	-	-	0.8	297.0	WNW	1.1	318.0	NW	0.4	300.0	WNW	1.0	310.0	NW
12:00 AM - 01:00 AM	2.4	288.0	WNW	1.9	327.0	NNW	0.0	-	-	1.0	304.0	NW	0.7	286.0	WNW	0.6	310.0	NW	0.5	283.0	WNW
01:00 AM - 02:00 AM	1.6	294.0	WNW	1.0	320.0	NW	1.7	318.0	NW	0.5	281.0	W	0.0	-	-	0.5	298.0	WNW	0.4	292.0	WNW
02:00 AM - 03:00 AM	1.5	291.0	WNW	0.8	226.0	SW	0.0	-	-	0.8	296.0	WNW	0.8	359.0	N	0.8	309.0	NW	0.5	65.0	ENE
03:00 AM - 04:00 AM	4.4	300.0	WNW	1.6	265.0	W	0.5	287.0	WNW	0.5	318.0	NW	0.7	283.0	WNW	1.7	77.0	ENE	0.8	37.0	NE
04:00 AM - 05:00 AM	1.0	273.0	W	2.8	345.0	NNW	0.0	-	-	0.1	-	-	0.5	320.0	NW	1.1	289.0	WNW	2.2	23.0	NNE
05:00 AM - 06:00 AM	1.4	243.0	WSW	1.4	230.0	SW	3.5	331.0	NNW	0.3	276.0	W	0.0	-	-	0.5	301.0	WNW	1.0	316.0	NW
06:00 AM - 07:00 AM	0.9	317.0	NW	0.9	294.0	WNW	1.5	283.0	WNW	1.4	272.0	W	1.0	289.0	WNW	1.3	48.0	NE	0.6	327.0	NNW
07:00 AM - 08:00 AM	1.1	288.0	WNW	0.8	258.0	WSW	0.8	270.0	W	1.6	322.0	NW	1.2	275.0	W	0.5	299.0	WNW	0.9	231.0	SW
08:00 AM - 09:00 AM	2.5	280.0	W	1.6	287.0	WNW	0.7	301.0	WNW	0.9	301.0	WNW	0.8	287.0	WNW	0.7	300.0	WNW	2.6	20.0	NNE
09:00 AM - 10:00 AM	1.7	304.0	NW	1.6	254.0	WSW	0.9	298.0	WNW	0.8	290.0	WNW	0.6	274.0	W	1.0	244.0	WSW	1.2	38.0	NE
10:00 AM - 11:00 AM	4.0	237.0	WSW	2.8	247.0	WSW	1.6	239.0	WSW	1.5	280.0	W	1.6	277.0	W	1.2	268.0	W	2.2	46.0	NW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4514154868

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417711

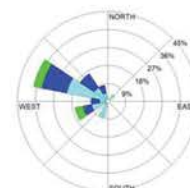
Date Received :Jun 17, 2024

Date Reported :Jun 21, 2024

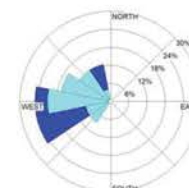
Report Number :2911663-1 CS

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Wind Rose



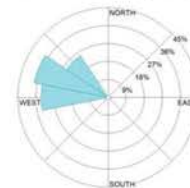
Date : Jun 09-10, 2024



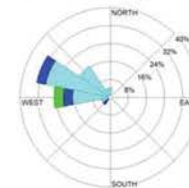
Date : Jun 10-11, 2024



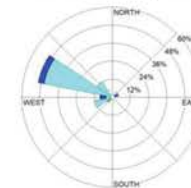
Date : Jun 11-12, 2024



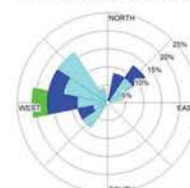
Date : Jun 12-13, 2024



Date : Jun 13-14, 2024



Date : Jun 14-15, 2024



Date : Jun 15-16, 2024



Date : Jun 16-17, 2024

WS (m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	3.57
1.7-3.3	19.05
0.3-1.7	72.02
Calms	5.36

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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: 2417180

Date Received :Jun 17, 2024

Date Reported :Jun 21, 2024

Report Number :2910500-1

Sample Number 2417180-1 to 7

Parameter Wind Speed / Wind Direction

Location สถานีอนามัยมาบตาพุด (GPS 47P 0735187, 1405873)

Sampling Date Jun 09 - Jun 16, 2024

Sampling by Chatchai Sukpia

Time	Jun 09 - Jun 10, 2024			Jun 10 - Jun 11, 2024			Jun 11 - Jun 12, 2024			Jun 12 - Jun 13, 2024			Jun 13 - Jun 14, 2024			Jun 14 - Jun 15, 2024			Jun 15 - Jun 16, 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	0.6	147.0	SSE	1.4	133.0	SE	2.8	153.0	SSE	1.3	119.0	ESE	1.6	144.0	SE	3.4	125.0	SE	2.2	135.0	SE
10:00 AM - 11:00 AM	1.8	163.0	SSE	1.6	155.0	SSE	0.9	63.0	ENE	1.3	127.0	SE	2.9	90.0	E	0.0	-	-	0.7	149.0	SSE
11:00 AM - 12:00 PM	2.1	142.0	SE	0.6	96.0	E	1.5	83.0	E	2.0	68.0	ENE	4.1	125.0	SE	2.6	114.0	ESE	2.3	183.0	S
12:00 PM - 01:00 PM	1.0	150.0	SSE	2.4	114.0	ESE	2.8	131.0	SE	1.1	115.0	ESE	2.0	105.0	ESE	1.4	106.0	ESE	3.2	105.0	ESE
01:00 PM - 02:00 PM	1.2	87.0	E	2.2	207.0	SSW	0.8	148.0	SSE	1.1	145.0	SE	4.4	91.0	E	1.5	160.0	SSE	6.2	122.0	ESE
02:00 PM - 03:00 PM	0.6	95.0	E	2.1	157.0	SSE	2.7	160.0	SSE	1.5	108.0	ESE	2.8	104.0	ESE	2.4	89.0	E	2.5	194.0	SSW
03:00 PM - 04:00 PM	0.4	113.0	ESE	1.3	114.0	ESE	0.9	111.0	ESE	1.9	149.0	SSE	2.0	127.0	SE	2.6	110.0	ESE	2.7	151.0	SSE
04:00 PM - 05:00 PM	0.8	88.0	E	2.6	111.0	ESE	1.7	190.0	S	1.2	121.0	ESE	1.9	76.0	ENE	1.9	85.0	E	0.6	146.0	SE
05:00 PM - 06:00 PM	0.7	58.0	ENE	2.6	67.0	ENE	0.3	200.0	SSW	2.7	92.0	E	1.0	66.0	ENE	1.9	125.0	SE	0.0	-	-
06:00 PM - 07:00 PM	4.0	127.0	SE	1.5	95.0	E	0.0	-	-	0.7	122.0	ESE	0.0	-	-	2.7	117.0	ESE	1.2	72.0	ENE
07:00 PM - 08:00 PM	2.1	105.0	ESE	1.4	98.0	E	4.7	104.0	ESE	1.0	162.0	SSE	1.6	92.0	E	2.7	112.0	ESE	1.5	91.0	E
08:00 PM - 09:00 PM	2.8	131.0	SE	2.8	105.0	ESE	2.4	139.0	SE	0.6	195.0	SSW	0.0	-	-	1.1	177.0	S	4.5	131.0	SE
09:00 PM - 10:00 PM	2.5	135.0	SE	1.7	94.0	E	2.0	129.0	SE	2.8	146.0	SE	0.7	108.0	ESE	1.9	104.0	ESE	0.0	-	-
10:00 PM - 11:00 PM	0.8	132.0	SE	4.7	110.0	ESE	0.3	146.0	SE	1.6	204.0	SSW	1.3	120.0	ESE	1.7	91.0	E	1.1	86.0	E
11:00 PM - 12:00 AM	1.6	175.0	S	2.6	194.0	SSW	0.0	-	-	1.1	158.0	SSE	0.7	120.0	ESE	4.2	98.0	E	2.8	36.0	NE
12:00 AM - 01:00 AM	1.4	245.0	WSW	4.7	148.0	SSE	2.4	147.0	SSE	2.2	152.0	SSE	2.0	137.0	SE	1.4	210.0	SSW	1.4	161.0	SSE
01:00 AM - 02:00 AM	3.1	117.0	ESE	2.6	105.0	ESE	1.0	120.0	ESE	2.5	138.0	SE	0.0	-	-	1.5	146.0	SE	0.5	227.0	SW
02:00 AM - 03:00 AM	1.6	103.0	ESE	2.3	105.0	ESE	0.0	-	-	0.0	-	-	1.9	141.0	SE	0.6	162.0	SSE	1.0	190.0	S
03:00 AM - 04:00 AM	2.7	142.0	SE	4.8	95.0	E	0.0	-	-	3.4	130.0	SE	1.1	113.0	ESE	0.5	118.0	ESE	2.6	161.0	SSE
04:00 AM - 05:00 AM	1.5	74.0	ENE	2.9	114.0	ESE	2.7	115.0	ESE	1.0	163.0	SSE	0.0	-	-	0.9	141.0	SE	2.9	171.0	S
05:00 AM - 06:00 AM	1.6	153.0	SSE	1.9	78.0	ENE	0.7	46.0	NE	3.6	97.0	E	2.5	122.0	ESE	0.6	200.0	SSW	0.8	143.0	SE
06:00 AM - 07:00 AM	2.3	142.0	SE	1.7	73.0	ENE	1.2	124.0	SE	2.6	76.0	ENE	0.3	137.0	SE	0.4	141.0	SE	0.4	200.0	SSW
07:00 AM - 08:00 AM	3.0	67.0	ENE	2.4	27.0	NNE	2.2	129.0	SE	2.7	139.0	SE	1.0	167.0	SSE	1.1	167.0	SSE	1.8	250.0	WSW
08:00 AM - 09:00 AM	3.3	123.0	ESE	2.0	116.0	ESE	1.9	150.0	SSE	1.0	210.0	SSW	3.8	141.0	SE	1.8	122.0	ESE	0.8	211.0	SSW

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: 2417180

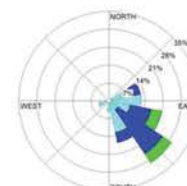
Date Received :Jun 17, 2024

Date Reported :Jun 21, 2024

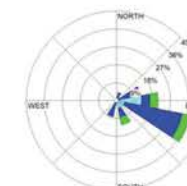
Report Number :2910500-1

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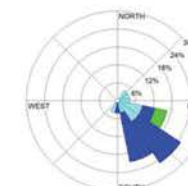
Wind Rose



Date : Jun 09-10, 2024



Date : Jun 10-11, 2024



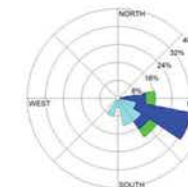
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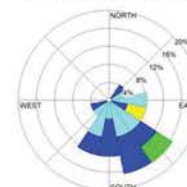
Date : Jun 12-13, 2024



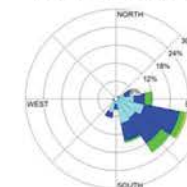
Date : Jun 13-14, 2024



Date : Jun 14-15, 2024



Date : Jun 15-16, 2024



Date : Jun 09-16, 2024

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.60
3.3-5.5	8.33
1.7-3.3	41.07
0.3-1.7	42.86
Calms	7.14

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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)

Lab ID: 2417180

Date Received : Jun 17, 2024

Date Reported : Jun 21, 2024

Report Number : 2910500-1

Page 1 of 2

Sample Number : 2417180-8 to 14
Parameter : Wind Speed / Wind Direction
Location : ศูนย์วิจัยปิโตรฯ จังหวัดระยอง (GPS 47P 0731794, 1408788)
Sampling Date : Jun 09 - Jun 16, 2024
Sampling by : Chatchai Sukpia

Time	Jun 09 - Jun 10, 2024			Jun 10 - Jun 11, 2024			Jun 11 - Jun 12, 2024			Jun 12 - Jun 13, 2024			Jun 13 - Jun 14, 2024			Jun 14 - Jun 15, 2024			Jun 15 - Jun 16, 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)	
12:00 PM - 01:00 PM	1.6	221.0	SW	2.3	258.0	WSW	1.1	210.0	SSW	0.8	251.0	WSW	1.1	279.0	W	0.7	148.0	SSE	1.8	189.0	S
01:00 PM - 02:00 PM	1.9	208.0	SSW	2.0	295.0	WNW	2.1	202.0	SSW	0.8	220.0	SW	0.9	183.0	S	1.4	140.0	SE	4.3	292.0	WNW
02:00 PM - 03:00 PM	0.9	205.0	SSW	0.7	235.0	SW	0.8	174.0	S	2.0	325.0	NW	1.8	176.0	S	0.2	-	-	1.0	226.0	SW
03:00 PM - 04:00 PM	0.3	149.0	SSE	1.0	220.0	SW	0.5	214.0	SW	0.5	228.0	SW	1.6	196.0	SSW	0.9	253.0	WSW	2.7	288.0	WNW
04:00 PM - 05:00 PM	1.9	207.0	SSW	0.9	236.0	SW	0.3	223.0	SW	2.2	154.0	SSE	0.4	211.0	SSW	1.2	165.0	SSE	0.4	278.0	W
05:00 PM - 06:00 PM	1.3	235.0	SW	0.5	245.0	WSW	0.0	-	-	1.5	230.0	SW	0.7	183.0	S	1.5	235.0	SW	1.2	222.0	SW
06:00 PM - 07:00 PM	1.5	316.0	NW	0.6	161.0	SSE	0.2	-	-	1.9	202.0	SSW	0.2	-	-	0.9	230.0	SW	0.7	221.0	SW
07:00 PM - 08:00 PM	1.4	248.0	WSW	0.3	230.0	SW	1.0	277.0	W	0.1	-	-	0.8	194.0	SSW	0.0	-	-	0.3	275.0	W
08:00 PM - 09:00 PM	0.8	232.0	SW	0.1	-	-	1.6	278.0	W	0.0	-	-	1.1	221.0	SW	0.3	198.0	SSW	0.1	-	-
09:00 PM - 10:00 PM	0.4	263.0	W	0.6	219.0	SW	0.9	270.0	W	0.3	223.0	SW	0.5	0.0	N	0.8	138.0	SE	0.4	220.0	SW
10:00 PM - 11:00 PM	0.9	216.0	SW	1.3	232.0	SW	0.2	-	-	0.6	222.0	SW	0.6	299.0	WNW	0.5	221.0	SW	0.8	221.0	SW
11:00 PM - 12:00 AM	0.9	229.0	SW	0.2	-	-	0.4	280.0	W	0.0	-	-	0.4	264.0	W	0.4	200.0	SSW	0.0	-	-
12:00 AM - 01:00 AM	0.7	233.0	SW	0.4	192.0	SSW	0.4	216.0	SW	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.6	241.0	WSW	0.8	225.0	SW	0.0	-	-	0.0	-	-	0.3	290.0	WNW	0.4	275.0	W	0.0	-	-
02:00 AM - 03:00 AM	0.8	238.0	WSW	1.1	185.0	S	0.0	-	-	0.0	-	-	0.1	-	-	0.4	246.0	WSW	0.4	283.0	WNW
03:00 AM - 04:00 AM	1.4	229.0	SW	0.9	226.0	SW	0.0	-	-	0.0	-	-	0.3	284.0	WNW	0.5	279.0	W	2.1	289.0	WNW
04:00 AM - 05:00 AM	0.5	243.0	WSW	0.7	230.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.9	278.0	W	2.0	281.0	W
05:00 AM - 06:00 AM	0.6	182.0	S	0.2	-	-	0.4	220.0	SW	0.0	-	-	0.0	-	-	0.3	270.0	W	0.0	-	-
06:00 AM - 07:00 AM	1.2	247.0	WSW	1.3	228.0	SW	1.9	207.0	SSW	0.3	266.0	W	0.1	-	-	1.1	261.0	W	1.5	288.0	WNW
07:00 AM - 08:00 AM	1.9	218.0	SW	0.6	206.0	SSW	1.4	312.0	NW	1.3	185.0	S	1.5	153.0	SSE	2.1	281.0	W	1.2	268.0	W
08:00 AM - 09:00 AM	1.4	253.0	WSW	0.6	229.0	SW	1.0	246.0	WSW	1.9	216.0	SW	2.4	211.0	SSW	0.7	285.0	WNW	0.8	294.0	WNW
09:00 AM - 10:00 AM	2.1	147.0	SSE	1.9	209.0	SSW	0.8	264.0	W	3.3	283.0	WNW	1.2	170.0	S	1.8	214.0	SW	2.2	286.0	WNW
10:00 AM - 11:00 AM	0.5	216.0	SW	0.4	229.0	SW	1.3	258.0	WSW	1.7	182.0	S	1.1	233.0	SW	1.7	190.0	S	0.6	288.0	WNW
11:00 AM - 12:00 PM	2.4	247.0	WSW	0.5	229.0	SW	1.4	202.0	SSW	0.3	201.0	SSW	1.7	318.0	NW	0.4	213.0	SSW	1.4	301.0	WNW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

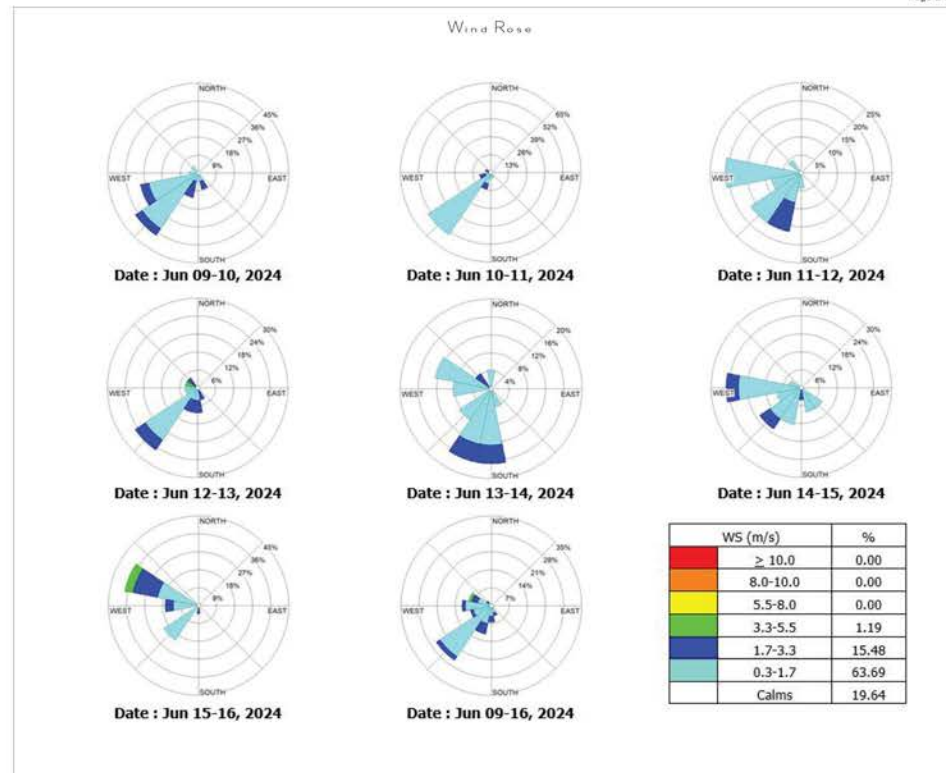
Lab ID: 2417180

Date Received : Jun 17, 2024

Date Reported : Jun 21, 2024

Report Number : 2910500-1

Page 2 of 2



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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1CS

Page 1 of 12

Sample Number 2417189-1
Sampled Date Jun 12, 2024
Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉางประจักษ์) (GPS 47P 0735520, 1402767)
Date Analysis Commenced Jun 18, 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	12/06/24 - 13/06/24	ppm	-	0.4	1.0	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

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: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1CS

Page 2 of 12

Sample Number 2417189-2
Sampled Date Jun 13, 2024
Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉางประจักษ์) (GPS 47P 0735520, 1402767)
Date Analysis Commenced Jun 18, 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	13/06/24 - 14/06/24	ppm	-	0.4	1.0	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1C5

Page 3 of 12

Sample Number 2417189-3
Sampled Date Jun 14, 2024
Sample Description Air Quality
Location บ้านฉางประจักษ์ (โรงพยาบาลส่งเสริมสุขภาพตำบลฉางประจักษ์) (GPS 47P 0735520, 1402767)
Date Analysis Commenced Jun 18, 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	14/06/24 - 15/06/24	ppm	-	0.4	0.6	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1C5

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Sample Number 2417189-4
Sampled Date Jun 12, 2024
Sample Description Air Quality
Location บ้านฉางประจักษ์ (GPS 47P 0735346, 1406705)
Date Analysis Commenced Jun 18, 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	12/06/24 - 13/06/24	ppm	-	0.4	1.2	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

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Thanita Kulsuriwong
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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1CS

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Sample Number 2417189-5
Sampled Date Jun 13, 2024
Sample Description Air Quality
Location บ้านนาหว้า (GPS 47P 0735346, 1406705)
Date Analysis Commenced Jun 18, 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	13/06/24 - 14/06/24	ppm	-	0.4	0.6	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

- LOD : Limit of Detection
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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: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1CS

Page 6 of 12

Sample Number 2417189-6
Sampled Date Jun 14, 2024
Sample Description Air Quality
Location บ้านนาหว้า (GPS 47P 0735346, 1406705)
Date Analysis Commenced Jun 18, 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	14/06/24 - 15/06/24	ppm	-	0.4	0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1C5

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Sample Number 2417189-7
Sampled Date Jun 12, 2024
Sample Description Air Quality
Location สถานีอนามัยบางตาพูด (GPS 47P 0735187, 1405873)
Date Analysis Commenced Jun 18, 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	12/06/24 - 13/06/24	ppm	-	0.4	2.1	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

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Thanita Kulsuriwong
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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1C5

Page 8 of 12

Sample Number 2417189-8
Sampled Date Jun 13, 2024
Sample Description Air Quality
Location สถานีอนามัยบางตาพูด (GPS 47P 0735187, 1405873)
Date Analysis Commenced Jun 18, 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	13/06/24 - 14/06/24	ppm	-	0.4	<0.4	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1C5

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Sample Number 2417189-9
Sampled Date Jun 14, 2024
Sample Description Air Quality
Location สถานีอนามัยบางตาพูด (GPS 47P 0735187, 1405873)
Date Analysis Commenced Jun 18, 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	14/06/24 - 15/06/24	ppm	-	0.4	0.5	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

- LOD : Limit of Detection
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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1C5

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Sample Number 2417189-10
Sampled Date Jun 12, 2024
Sample Description Air Quality
Location ศูนย์วิจัยพืชไร่ จังหวัดระยอง (GPS 47P 0731794, 1408788)
Date Analysis Commenced Jun 18, 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	12/06/24 - 13/06/24	ppm	-	0.4	0.9	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

- LOD : Limit of Detection
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Approved by

Thanita K.

Thanita Kulsuriwong
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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1C5

Page 11 of 12

Sample Number 2417189-11
Sampled Date Jun 13, 2024
Sample Description Air Quality
Location ศูนย์วิจัยปิโตรเลียมฯ จ.ระยอง (GPS 47P 0731794, 1408788)
Date Analysis Commenced Jun 18, 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	13/06/24 - 14/06/24	ppm	-	0.4	0.8	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

- LOD : Limit of Detection
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Approved by

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417189

Date Received : Jun 17, 2024

Date Reported : Jun 24, 2024

Report Number : 2910513-1C5

Page 12 of 12

Sample Number 2417189-12
Sampled Date Jun 14, 2024
Sample Description Air Quality
Location ศูนย์วิจัยปิโตรเลียมฯ จ.ระยอง (GPS 47P 0731794, 1408788)
Date Analysis Commenced Jun 18, 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	14/06/24 - 15/06/24	ppm	-	0.4	0.5	Total Hydrocarbon Analyzer (FID)	Rayong

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

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ปริมาณสารอินทรีย์ระเหยในบรรยากาศ (VOCs)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23149456

Date Received : Jan 05, 2024

Date Reported : Jan 12, 2024

Report Number : 2877032-1CS

Page 1 of 3

Sample Number 23149456-1
Sampled Date Jan 04, 2024
Sample Description Air Quality
Location บ้านนาหว้า (GPS 47P 0735350, 1406704)
Date Analysis Commenced Jan 08, 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	04/01/24 - 05/01/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/01/24 - 05/01/24	ug/m3	0.05	0.16	2.68	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/01/24 - 05/01/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/01/24 - 05/01/24	ug/m3	0.60	1.76	6.56	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/01/24 - 05/01/24	ug/m3	0.30	0.86	5.65	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/01/24 - 05/01/24	ug/m3	0.60	1.88	14.10	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 : Satcha Phetsawaeng

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23149456

Date Received : Jan 05, 2024

Date Reported : Jan 12, 2024

Report Number : 2877032-1CS

Page 2 of 3

Sample Number 23149456-2
Sampled Date Jan 04, 2024
Sample Description Air Quality
Location โรงเรือนบ้านหนองพูน (GPS 47P 0723821, 1403299)
Date Analysis Commenced Jan 08, 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	04/01/24 - 05/01/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/01/24 - 05/01/24	ug/m3	0.05	0.16	3.26	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/01/24 - 05/01/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/01/24 - 05/01/24	ug/m3	0.60	1.76	1.83	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/01/24 - 05/01/24	ug/m3	0.30	0.86	3.27	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/01/24 - 05/01/24	ug/m3	0.60	1.88	6.56	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 23149456

Date Received : Jan 05, 2024

Date Reported : Jan 12, 2024

Report Number : 2877032-1CS

Page 3 of 3

Sample Number 23149456-3
Sampled Date Jan 04, 2024
Sample Description Air Quality
Location สถานีอนามัยบางตาพูด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Jan 08, 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	04/01/24 - 05/01/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/01/24 - 05/01/24	ug/m3	0.05	0.16	2.68	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/01/24 - 05/01/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/01/24 - 05/01/24	ug/m3	0.60	1.76	2.96	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/01/24 - 05/01/24	ug/m3	0.30	0.86	4.03	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/01/24 - 05/01/24	ug/m3	0.60	1.88	12.14	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 Put Public Health Center station has moderate traffic.Normal activity, Clear sky, Nearby Temple, school and Community

Sampled By : Satcha Phetsawaeng

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 24420

Date Received : Feb 02, 2024

Date Reported : Feb 10, 2024

Report Number : 2877262-1CS

Page 1 of 3

Sample Number 24420-1
Sampled Date Feb 01, 2024
Sample Description Air Quality
Location บ้านนาบาคาพูด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Feb 05, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.0 °C

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 24420

Date Received : Feb 02, 2024

Date Reported : Feb 10, 2024

Report Number : 2877262-1CS

Page 2 of 3

Sample Number 24420-2
Sampled Date Feb 01, 2024
Sample Description Air Quality
Location โรงเรียนบ้านหนองเพน (GPS 47P 0723821, 1403299)
Date Analysis Commenced Feb 05, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.0 °C

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

Guideline :

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

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

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

Sampled By : 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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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 24420

Date Received : Feb 02, 2024

Date Reported : Feb 10, 2024

Report Number : 2877262-1CS

Page 3 of 3

Sample Number 24420-3
Sampled Date Feb 01, 2024
Sample Description Air Quality
Location สถานีอนามัยบ้านตาพุด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Feb 05, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 758 mmHg
Atmospheric Temperature 28.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	01/02/24 - 02/02/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/02/24 - 02/02/24	ug/m3	0.05	0.16	1.34	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/02/24 - 02/02/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/02/24 - 02/02/24	ug/m3	0.60	1.76	1.97	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/02/24 - 02/02/24	ug/m3	0.30	0.86	2.58	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/02/24 - 02/02/24	ug/m3	0.60	1.88	4.07	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 : 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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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2417207

Date Received : Mar 05, 2024

Date Reported : Mar 14, 2024

Report Number : 2910522-1CS

Page 1 of 3

Sample Number 2417207-1
Sampled Date Mar 04, 2024
Sample Description Air Quality
Location บ้านนาหวาด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Mar 06, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, 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	04/03/24 - 05/03/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/03/24 - 05/03/24	ug/m3	0.05	0.16	0.83	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/03/24 - 05/03/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/03/24 - 05/03/24	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/03/24 - 05/03/24	ug/m3	0.30	0.86	2.34	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/03/24 - 05/03/24	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 : Santi Chaichana

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 : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2417207

Date Received : Mar 05, 2024

Date Reported : Mar 14, 2024

Report Number : 2910522-1CS

Page 2 of 3

Sample Number 2417207-2
Sampled Date Mar 04, 2024
Sample Description Air Quality
Location โรงเจบ้านนาหวาด (GPS 47P 0723821, 1403299)
Date Analysis Commenced Mar 06, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, 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	04/03/24 - 05/03/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/03/24 - 05/03/24	ug/m3	0.05	0.16	0.32	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/03/24 - 05/03/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/03/24 - 05/03/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/03/24 - 05/03/24	ug/m3	0.30	0.86	<0.86	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/03/24 - 05/03/24	ug/m3	0.60	1.88	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Santi Chaichana

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 : 4503136460

Project Name : Environmental Quality Monitoring

Project Location :

Lot ID: 2417207

Date Received : Mar 05, 2024

Date Reported : Mar 14, 2024

Report Number : 2910522-1CS

Page 3 of 3

Sample Number 2417207-3
Sampled Date Mar 04, 2024
Sample Description Air Quality
Location สถานีอนามัยบางตาพูด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Mar 06, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, 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	04/03/24 - 05/03/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	04/03/24 - 05/03/24	ug/m3	0.05	0.16	1.15	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	04/03/24 - 05/03/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	04/03/24 - 05/03/24	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	04/03/24 - 05/03/24	ug/m3	0.30	0.86	2.72	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	04/03/24 - 05/03/24	ug/m3	0.60	1.88	1.96	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 Put Public Health Center station has moderate traffic. Normal activity, Cloudy, Nearby Temple, school and Community

Sampled By : Santi Chaichana

Remark :

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2429536

Date Received : Apr 02, 2024

Date Reported : Apr 09, 2024

Report Number : 2937737-1CS

Page 1 of 3

Sample Number 2429536-1
Sampled Date Apr 01, 2024
Sample Description Air Quality
Location บ้านนาบาคาพูด (GPS 47P 0735350, 1406704)
Date Analysis Commenced Apr 03, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 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	01/04/24 - 02/04/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/04/24 - 02/04/24	ug/m3	0.05	0.16	0.38	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/04/24 - 02/04/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/04/24 - 02/04/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/04/24 - 02/04/24	ug/m3	0.30	0.86	1.65	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/04/24 - 02/04/24	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 Put Community station has moderate traffic. Normal activity, Clear sky, Nearby School, and Community

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

Tanyatorn

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: 2429536

Date Received : Apr 02, 2024

Date Reported : Apr 09, 2024

Report Number : 2937737-1CS

Page 2 of 3

Sample Number 2429536-2
Sampled Date Apr 01, 2024
Sample Description Air Quality
Location โรงเรือนฆ่าเชื้อ (GPS 47P 0723821, 1403299)
Date Analysis Commenced Apr 03, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 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	01/04/24 - 02/04/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/04/24 - 02/04/24	ug/m3	0.05	0.16	<0.16	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/04/24 - 02/04/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/04/24 - 02/04/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/04/24 - 02/04/24	ug/m3	0.30	0.86	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/04/24 - 02/04/24	ug/m3	0.60	1.88	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2429536

Date Received : Apr 02, 2024

Date Reported : Apr 09, 2024

Report Number : 2937737-1CS

Page 3 of 3

Sample Number 2429536-3
Sampled Date Apr 01, 2024
Sample Description Air Quality
Location สถานีอนามัยตลาด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Apr 03, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 758 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	01/04/24 - 02/04/24	ug/m3	0.20	0.60	0.60	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	01/04/24 - 02/04/24	ug/m3	0.05	0.16	0.77	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	01/04/24 - 02/04/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	01/04/24 - 02/04/24	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	01/04/24 - 02/04/24	ug/m3	0.30	0.86	1.69	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	01/04/24 - 02/04/24	ug/m3	0.60	1.88	2.56	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :

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

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

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

Sampled By : Chatchai Sukpia

Remark :

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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

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

Lot ID: 2443245
Date Received : May 03, 2024
Date Reported : May 16, 2024
Report Number : 2968860-1CS

Page 1 of 3

Sample Number 2443245-1
Sampled Date May 02, 2024
Sample Description Air Quality
Location บ้านนาบึงทราย (GPS 47P 0735350, 1406704)
Date Analysis Commenced May 04, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 755 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	02/05/24 - 03/05/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/05/24 - 03/05/24	ug/m3	0.05	0.16	0.45	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/05/24 - 03/05/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/05/24 - 03/05/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/05/24 - 03/05/24	ug/m3	0.30	0.86	2.27	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/05/24 - 03/05/24	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 : Ronnachai Moungma

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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

Lot ID: 2443245
Date Received : May 03, 2024
Date Reported : May 16, 2024
Report Number : 2968860-1CS

Page 2 of 3

Sample Number 2443245-2
Sampled Date May 02, 2024
Sample Description Air Quality
Location โรงเรียนบ้านหนองพุ่ม (GPS 47P 0723821, 1403299)
Date Analysis Commenced May 04, 2024
Condition of Sample Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure 755 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	02/05/24 - 03/05/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/05/24 - 03/05/24	ug/m3	0.05	0.16	1.60	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/05/24 - 03/05/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/05/24 - 03/05/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/05/24 - 03/05/24	ug/m3	0.30	0.86	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/05/24 - 03/05/24	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 : Ronnachai Moungma

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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

Lot ID: 2443245
Date Received : May 03, 2024
Date Reported : May 16, 2024
Report Number : 2968860-1CS

Page 3 of 3

Sample Number : 2443245-3
Sampled Date : May 02, 2024
Sample Description : Air Quality
Location : สถานีอนามัยบางตาพูด (GPS 47P 0735207, 1405888)
Date Analysis Commenced : May 04, 2024
Condition of Sample : Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure : 755 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	02/05/24 - 03/05/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	02/05/24 - 03/05/24	ug/m3	0.05	0.16	0.70	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	02/05/24 - 03/05/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	02/05/24 - 03/05/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	02/05/24 - 03/05/24	ug/m3	0.30	0.86	2.82	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	02/05/24 - 03/05/24	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 : Map Ta Put Public Health Center station has moderate traffic. Normal activity, Cloudy, Nearby Temple, school and Community

Sampled By : Ronnachai Moungma

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

Approved by

Orawan R.

Orawan Rakyoung
Scientist (3)

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Analysis / Test Report

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

Lot ID: 2456230
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 2995765-1CS

Page 1 of 3

Sample Number : 2456230-1
Sampled Date : Jun 03, 2024
Sample Description : Air Quality
Location : บ้านนาบตาพูด (GPS 47P 0735350, 1406704)
Date Analysis Commenced : Jun 05, 2024
Condition of Sample : Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	03/06/24 - 04/06/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/06/24 - 04/06/24	ug/m3	0.05	0.16	1.53	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/06/24 - 04/06/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	03/06/24 - 04/06/24	ug/m3	0.60	1.76	2.68	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/06/24 - 04/06/24	ug/m3	0.30	0.86	6.47	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/06/24 - 04/06/24	ug/m3	0.60	1.88	3.09	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong

Guideline :
NEB : Notification of National Environment Board, B.E. 2560 (2017)
PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)
Note : Ban Map Ta Put Community station has moderate traffic. Normal activity, Clear sky, Nearby School and Community

Sampled By : Siriwit Ruangsom

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

Approved by

Tanyatorn

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: 2456230

Date Received : Jun 04, 2024

Date Reported : Jun 11, 2024

Report Number : 2995765-1CS

Page 2 of 3

Sample Number 2456230-2
Sampled Date Jun 03, 2024
Sample Description Air Quality
Location โรงเรือนฆ่าเชื้อ (GPS 47P 0723821, 1403299)
Date Analysis Commenced Jun 05, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	03/06/24 - 04/06/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/06/24 - 04/06/24	ug/m3	0.05	0.16	0.38	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/06/24 - 04/06/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	03/06/24 - 04/06/24	ug/m3	0.60	1.76	Not Detected	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/06/24 - 04/06/24	ug/m3	0.30	0.86	<0.86	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/06/24 - 04/06/24	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, Clear sky, Nearby School, temple and Community

Sampled By : Siriwit Ruangsom

Remark :

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

Approved by

Tanyatorm Mongkonjirawat
Supervisor

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2456230

Date Received : Jun 04, 2024

Date Reported : Jun 11, 2024

Report Number : 2995765-1CS

Page 3 of 3

Sample Number 2456230-3
Sampled Date Jun 03, 2024
Sample Description Air Quality
Location สถานีอนามัยตลาด (GPS 47P 0735207, 1405888)
Date Analysis Commenced Jun 05, 2024
Condition of Sample Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
1,4-Dichlorobenzene	03/06/24 - 04/06/24	ug/m3	0.20	0.60	Not Detected	1100	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Benzene	03/06/24 - 04/06/24	ug/m3	0.05	0.16	1.41	7.6	Based on US EPA Compendium Method, TO-15	PCD	Rayong
Ethylene Glycol	03/06/24 - 04/06/24	ug/m3	0.5	7.0	Not Detected	No Standard	Based on NIOSH, 5523	-	Bangkok
Hexane	03/06/24 - 04/06/24	ug/m3	0.60	1.76	<1.76	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Propene (Propylene)	03/06/24 - 04/06/24	ug/m3	0.30	0.86	5.06	No Standard	Based on US EPA Compendium Method, TO-15	-	Rayong
Toluene	03/06/24 - 04/06/24	ug/m3	0.60	1.88	3.24	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 : Siriwit Ruangsom

Remark :

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

Approved by

Tanyatorm Mongkonjirawat
Supervisor

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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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 23149509

Date Received :Jan 05, 2024

Date Reported :Jan 10, 2024

Report Number :2877035-1

Page 1 of 2

Sample Number 23149509-1

Parameter Wind Speed / Wind Direction

Location สถานีอนามัยราชพฤกษ์ (GPS 47P 0735207, 1405888)

Sampling Date Jan 04 - Jan 05, 2024

Sampling by Satcha Phetsawaeng

Time	Jan 04 - Jan 05, 2024									
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	2.0	163.0	SSE	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.2	200.0	SSW	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	3.0	232.0	SW	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	3.3	185.0	S	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.8	203.0	SSW	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.1	263.0	W	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.1	314.0	NW	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.5	0.0	N	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.8	98.0	E	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.0	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.1	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.1	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.0	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.3	46.0	NE	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.3	55.0	NE	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.6	56.0	NE	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	2.0	58.0	ENE	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.8	62.0	ENE	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.3	52.0	NE	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.2	50.0	NE	-	-	-	-	-	-	-

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 :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

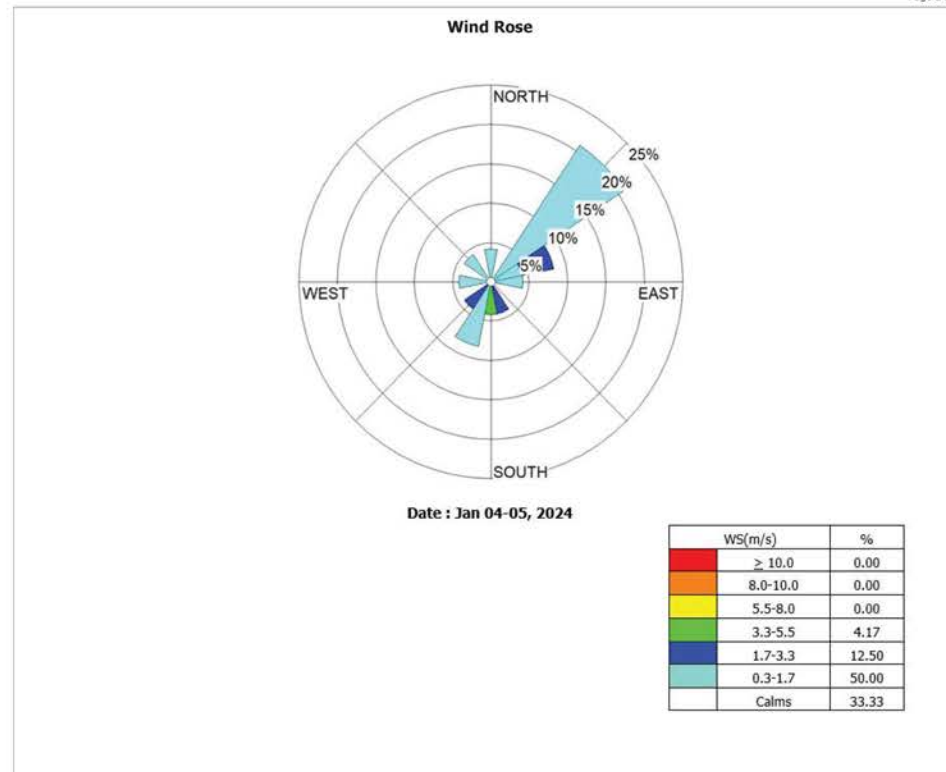
Lot ID: 23149509

Date Received :Jan 05, 2024

Date Reported :Jan 10, 2024

Report Number :2877035-1

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: 24499

Date Received :Feb 02, 2024

Date Reported :Feb 08, 2024

Report Number :2877265-1

Page 1 of 2

Sample Number 24499-1

Parameter Wind Speed / Wind Direction

Location สถานีอนามัยราชพฤกษ์ (GPS 47P 0735207, 1405888)

Sampling Date Feb 01 - Feb 02, 2024

Sampling by Anuwet Tema

Time	Feb 01 - Feb 02, 2024									
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.7	208.0	SSW	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	3.4	242.0	WSW	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.3	233.0	SW	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	4.1	235.0	SW	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.2	236.0	SW	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.2	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.1	249.0	WSW	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.7	275.0	W	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	2.0	234.0	SW	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.6	183.0	S	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	2.5	219.0	SW	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	2.2	245.0	WSW	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.8	188.0	S	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.1	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.5	134.0	SE	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.3	181.0	S	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.2	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	1.5	175.0	S	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.0	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.1	69.0	ENE	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.0	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.0	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.5	100.0	E	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 24499

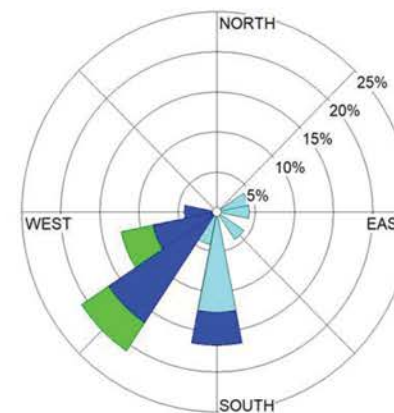
Date Received :Feb 02, 2024

Date Reported :Feb 08, 2024

Report Number :2877265-1

Page 2 of 2

Wind Rose



Date : Feb 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	33.33
0.3-1.7	29.17
Calms	29.17

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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: 2417222

Date Received : Mar 05, 2024

Date Reported : Mar 07, 2024

Report Number : 2910526-1

Page 1 of 2

Sample Number 2417222-1

Parameter Wind Speed / Wind Direction

Location สถานีอนามัยราชพฤกษ์ (GPS 47P 0735207, 1405888)

Sampling Date Mar 04 - Mar 05, 2024

Sampling by Santi Chaichana

Time	Mar 04 - Mar 05, 2024									
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	2.7	208.0	SSW	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.3	267.0	W	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.4	236.0	SW	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	4.1	224.0	SW	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.8	196.0	SSW	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	3.5	157.0	SSE	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.5	204.0	SSW	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	2.3	161.0	SSE	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.9	73.0	ENE	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.2	187.0	S	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	2.0	210.0	SSW	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.9	238.0	WSW	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.3	155.0	SSE	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	1.3	191.0	S	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	1.2	161.0	SSE	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.4	145.0	SE	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.2	198.0	SSW	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.4	260.0	W	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.4	189.0	S	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.3	187.0	S	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.4	153.0	SSE	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	3.2	135.0	SE	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	2.1	160.0	SSE	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.5	156.0	SSE	-	-	-	-	-	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417222

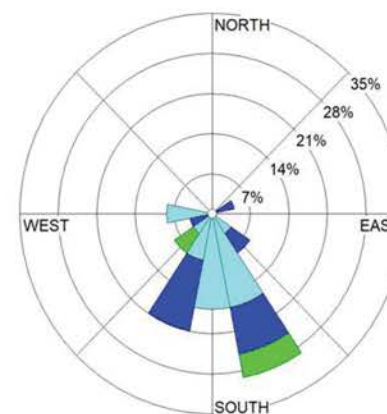
Date Received : Mar 05, 2024

Date Reported : Mar 07, 2024

Report Number : 2910526-1

Page 2 of 2

Wind Rose



Date : Mar 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	8.33
1.7-3.3	33.33
0.3-1.7	58.33
Calms	0.00

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2429541

Date Received : Apr 02, 2024

Date Reported : Apr 08, 2024

Report Number : 2937761-1

Sample Number : 2429541-1
Parameter : Wind Speed / Wind Direction
Location : สถานีอนามัยบ้านตลาด (GPS 47P 0735207, 1405888)
Sampling Date : Apr 01 - Apr 02, 2024
Sampling by : Chatchai Sukpia

Page 1 of 2

Time	Apr 01 - Apr 02, 2024													
	WS (m/s)	WD (deg)												
09:00 AM - 10:00 AM	1.6	180.0	S	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.4	182.0	S	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.6	190.0	S	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.4	186.0	S	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.7	184.0	S	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	1.3	174.0	S	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	1.3	160.0	SSE	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.2	163.0	SSE	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.0	162.0	SSE	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	1.2	164.0	SSE	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.0	168.0	SSE	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.8	170.0	S	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.6	176.0	S	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.9	172.0	S	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.6	178.0	S	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.1	174.0	S	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.9	176.0	S	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.8	177.0	S	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.0	174.0	S	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.6	168.0	SSE	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.7	169.0	S	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.0	176.0	S	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	1.2	185.0	S	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.4	173.0	S	-	-	-	-	-	-	-	-	-	-	-

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)

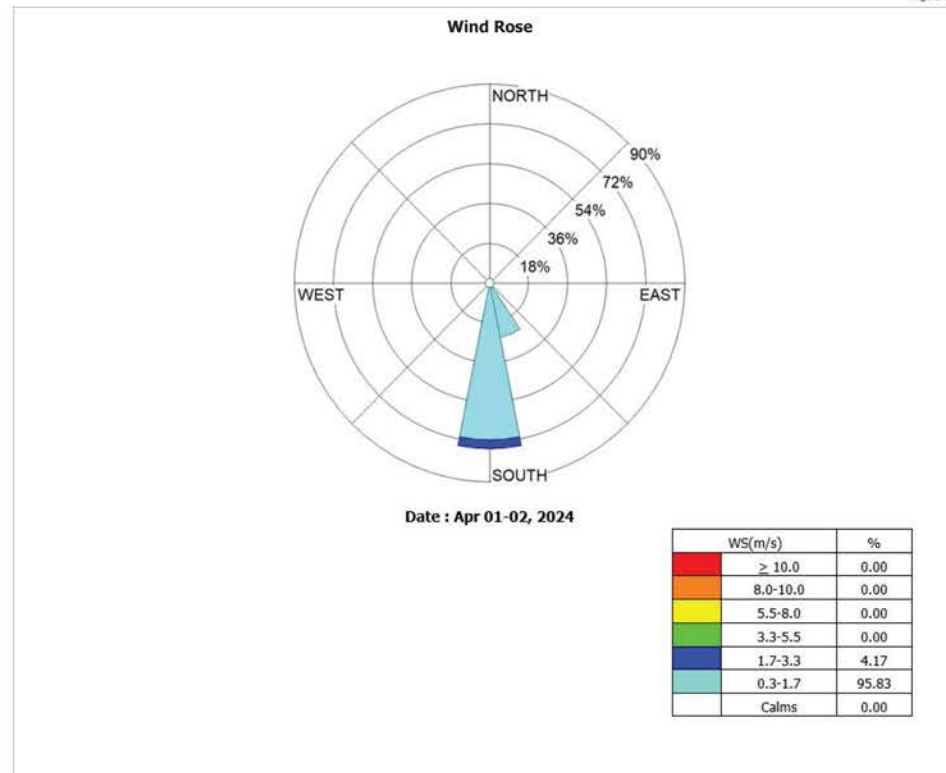
Lot ID: 2429541

Date Received : Apr 02, 2024

Date Reported : Apr 08, 2024

Report Number : 2937761-1

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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2443246

Date Received : May 03, 2024

Date Reported : May 08, 2024

Report Number : 2968863-1

Page 1 of 2

Sample Number : 2443246-1
Parameter : Wind Speed / Wind Direction
Location : สถานีอนามัยบ้านลาด (GPS 47P 0735207, 1405888)
Sampling Date : May 02 - May 03, 2024
Sampling by : Ronnachai Moungma

Time	May 02 - May 03, 2024													
	WS (m/s)	WD (deg)	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.3	185.0	S	-	-	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	1.4	188.0	S	-	-	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	1.6	199.0	SSW	-	-	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	1.4	202.0	SSW	-	-	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.7	252.0	WSW	-	-	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.1	212.0	SSW	-	-	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	1.4	225.0	SW	-	-	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	1.2	209.0	SSW	-	-	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.6	213.0	SSW	-	-	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	1.1	174.0	S	-	-	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.7	91.0	E	-	-	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	1.1	208.0	SSW	-	-	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	2.1	198.0	SSW	-	-	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	2.0	193.0	SSW	-	-	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	1.6	194.0	SSW	-	-	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.9	223.0	SW	-	-	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	1.6	181.0	S	-	-	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.7	191.0	S	-	-	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	2.0	209.0	SSW	-	-	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	1.9	204.0	SSW	-	-	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	1.0	199.0	SSW	-	-	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.5	182.0	S	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	2.1	219.0	SW	-	-	-	-	-	-	-	-	-	-	-
09:00 AM - 10:00 AM	4.0	202.0	SSW	-	-	-	-	-	-	-	-	-	-	-

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)

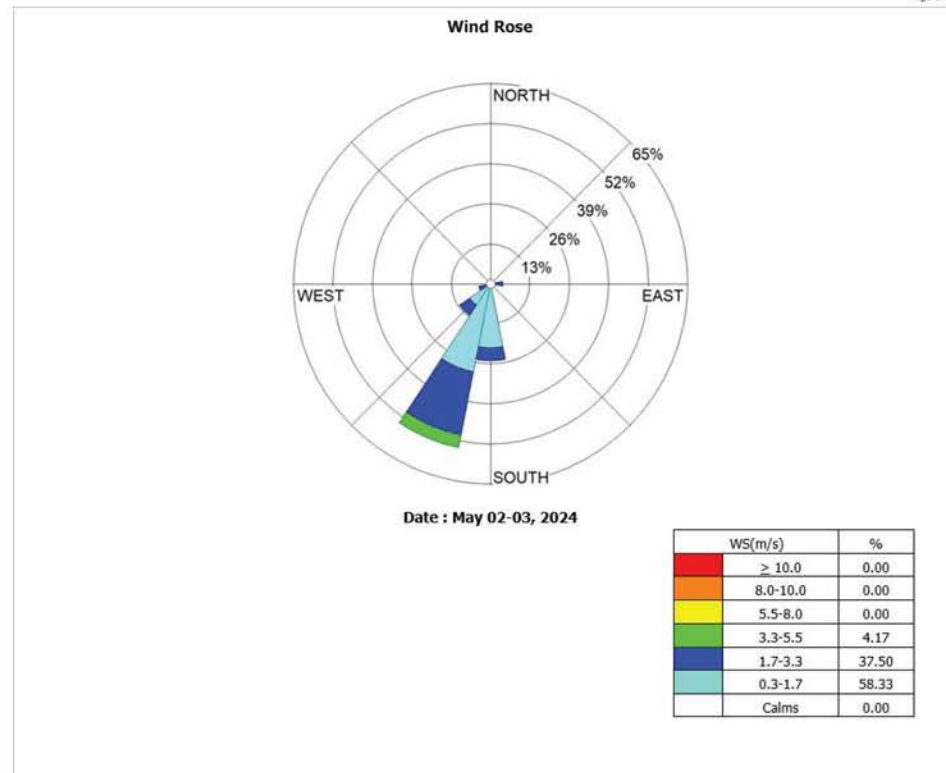
Lot ID: 2443246

Date Received : May 03, 2024

Date Reported : May 08, 2024

Report Number : 2968863-1

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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2456231

Date Received :Jun 04, 2024

Date Reported :Jun 10, 2024

Report Number :2995767-1

Sample Number : 2456231-1
Parameter : Wind Speed / Wind Direction
Location : สถานีอนามัยบ้านตาพุด (GPS 47P 0735207, 1405888)
Sampling Date : Jun 03 - Jun 04, 2024
Sampling by : Siriwit Ruangsom

Page 1 of 2

Time	Jun 03 - Jun 04, 2024											
	WS (m/s)	WD (deg)										
09:00 AM - 10:00 AM	2.6	339.0	NNW	-	-	-	-	-	-	-	-	-
10:00 AM - 11:00 AM	1.2	293.0	WNW	-	-	-	-	-	-	-	-	-
11:00 AM - 12:00 PM	3.6	235.0	SW	-	-	-	-	-	-	-	-	-
12:00 PM - 01:00 PM	4.7	267.0	W	-	-	-	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.8	285.0	WNW	-	-	-	-	-	-	-	-	-
02:00 PM - 03:00 PM	3.1	285.0	WNW	-	-	-	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.4	283.0	WNW	-	-	-	-	-	-	-	-	-
04:00 PM - 05:00 PM	3.8	284.0	WNW	-	-	-	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.9	332.0	NNW	-	-	-	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.4	295.0	WNW	-	-	-	-	-	-	-	-	-
07:00 PM - 08:00 PM	3.0	225.0	SW	-	-	-	-	-	-	-	-	-
08:00 PM - 09:00 PM	1.1	163.0	SSE	-	-	-	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.3	266.0	W	-	-	-	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.7	6.0	N	-	-	-	-	-	-	-	-	-
11:00 PM - 12:00 AM	2.4	337.0	NNW	-	-	-	-	-	-	-	-	-
12:00 AM - 01:00 AM	2.0	302.0	WNW	-	-	-	-	-	-	-	-	-
01:00 AM - 02:00 AM	1.1	346.0	NNW	-	-	-	-	-	-	-	-	-
02:00 AM - 03:00 AM	3.1	344.0	NNW	-	-	-	-	-	-	-	-	-
03:00 AM - 04:00 AM	1.9	19.0	NNE	-	-	-	-	-	-	-	-	-
04:00 AM - 05:00 AM	4.0	299.0	WNW	-	-	-	-	-	-	-	-	-
05:00 AM - 06:00 AM	2.4	284.0	WNW	-	-	-	-	-	-	-	-	-
06:00 AM - 07:00 AM	3.4	312.0	NW	-	-	-	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.2	-	-	-	-	-	-	-	-	-	-	-
08:00 AM - 09:00 AM	1.1	322.0	NW	-	-	-	-	-	-	-	-	-

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)

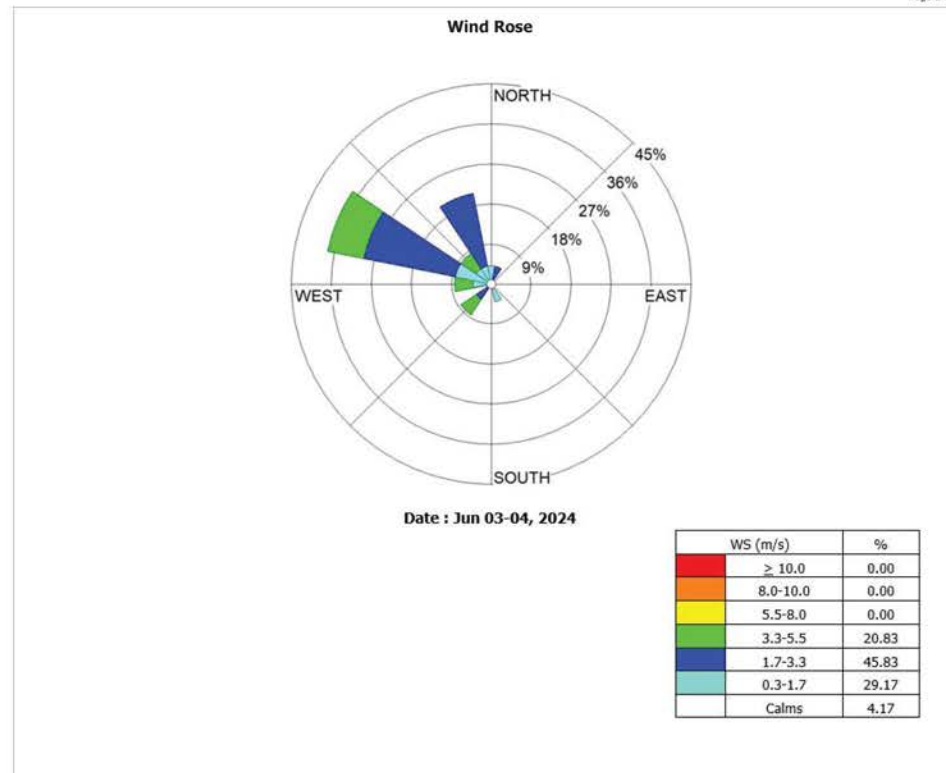
Lot ID: 2456231

Date Received :Jun 04, 2024

Date Reported :Jun 10, 2024

Report Number :2995767-1

Page 2 of 2



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ภาคผนวก ค-4

คุณภาพอากาศในสถานประกอบการ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417271

Date Received : Mar 26, 2024

Date Reported : Mar 30, 2024

Report Number : 2910608-1

Page 1 of 6

Sample Number 2417271-1
Sampled Date Mar 25, 2024
Sample Description Air Quality
Location Spin Dryer 1
Date Analysis Commenced Mar 27, 2024
Condition of Sample Drawn into one sorbent tube, 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									
n-Octane	11:30 AM - 01:30 PM	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 : Chanon Booncheun

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: 2417271

Date Received : Mar 26, 2024

Date Reported : Mar 30, 2024

Report Number : 2910608-1

Page 2 of 6

Sample Number 2417271-2
Sampled Date Mar 25, 2024
Sample Description Air Quality
Location Pelletizer 1
Date Analysis Commenced Mar 27, 2024
Condition of Sample Drawn into one sorbent tube, 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									
n-Octane	11:30 AM - 01:30 PM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417271

Date Received : Mar 26, 2024

Date Reported : Mar 30, 2024

Report Number : 2910608-1

Page 3 of 6

Sample Number 2417271-3
Sampled Date Mar 25, 2024
Sample Description Air Quality
Location Hold Up Hopper 1
Date Analysis Commenced Mar 27, 2024
Condition of Sample Drawn into one sorbent tube, 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									
n-Octane	11:30 AM - 01:30 PM	ppm	-	0.10	<0.10	500	NIOSH (2003), 1500	MOL	Bangkok

Guideline :

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417271

Date Received : Mar 26, 2024

Date Reported : Mar 30, 2024

Report Number : 2910608-1

Page 4 of 6

Sample Number 2417271-4
Sampled Date Mar 25, 2024
Sample Description Air Quality
Location Spin Dryer 2
Date Analysis Commenced Mar 27, 2024
Condition of Sample Drawn into one sorbent tube, 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									
n-Octane	10:00 AM - 12:00 PM	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 : Chanon Booncheun

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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: 2417271

Date Received : Mar 26, 2024

Date Reported : Mar 30, 2024

Report Number : 2910608-1

Page 5 of 6

Sample Number 2417271-5
Sampled Date Mar 25, 2024
Sample Description Air Quality
Location Pelletizer 2
Date Analysis Commenced Mar 27, 2024
Condition of Sample Drawn into one sorbent tube, 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									
n-Octane	10:00 AM - 12:00 PM	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 : Chanon Booncheun

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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: 2417271

Date Received : Mar 26, 2024

Date Reported : Mar 30, 2024

Report Number : 2910608-1

Page 6 of 6

Sample Number 2417271-6
Sampled Date Mar 25, 2024
Sample Description Air Quality
Location Hold Up Hopper 2
Date Analysis Commenced Mar 27, 2024
Condition of Sample Drawn into one sorbent tube, 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									
n-Octane	10:00 AM - 12:00 PM	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 : Chanon Booncheun

Remark :

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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: 2443247

Date Received : Jun 10, 2024

Date Reported : Jun 21, 2024

Report Number : 2968865-1

Page 1 of 6

Sample Number 2443247-1
Sampled Date Jun 07, 2024
Sample Description Air Quality
Location Spin Dryer 1
Date Analysis Commenced Jun 11, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 32.3 °C

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

Guideline :

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

Sampled By : 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: 2443247

Date Received : Jun 10, 2024

Date Reported : Jun 21, 2024

Report Number : 2968865-1

Page 2 of 6

Sample Number 2443247-2
Sampled Date Jun 07, 2024
Sample Description Air Quality
Location Pelletizer 1
Date Analysis Commenced Jun 11, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 32.3 °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)

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P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2443247

Date Received : Jun 10, 2024

Date Reported : Jun 21, 2024

Report Number : 2968865-1

Page 3 of 6

Sample Number 2443247-3
Sampled Date Jun 07, 2024
Sample Description Air Quality
Location Hold Up Hopper 1
Date Analysis Commenced Jun 11, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
n-Octane	09:25 AM - 11:25 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)

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2443247

Date Received : Jun 10, 2024

Date Reported : Jun 21, 2024

Report Number : 2968865-1

Page 4 of 6

Sample Number 2443247-4
Sampled Date Jun 07, 2024
Sample Description Air Quality
Location Spin Dryer 2
Date Analysis Commenced Jun 11, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 32.3 °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)

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: 2443247

Date Received : Jun 10, 2024

Date Reported : Jun 21, 2024

Report Number : 2968865-1

Page 5 of 6

Sample Number 2443247-5
Sampled Date Jun 07, 2024
Sample Description Air Quality
Location Pelletizer 2
Date Analysis Commenced Jun 11, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 32.3 °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: 2443247

Date Received : Jun 10, 2024

Date Reported : Jun 21, 2024

Report Number : 2968865-1

Page 6 of 6

Sample Number 2443247-6
Sampled Date Jun 07, 2024
Sample Description Air Quality
Location Hold Up Hopper 2
Date Analysis Commenced Jun 11, 2024
Condition of Sample Drawn into one sorbent tube, refrigerated
Barometric Pressure 757 mmHg
Atmospheric Temperature 32.3 °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)

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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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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023169-1

Page 1 of 1

Sample Number 2417318-1
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date May 31 - Jun 01, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	66.5	73.0	65.1
06:00 PM - 07:00 PM	64.9	77.2	63.7
07:00 PM - 08:00 PM	64.7	76.5	63.9
08:00 PM - 09:00 PM	65.4	80.4	64.0
09:00 PM - 10:00 PM	63.7	78.9	62.7
10:00 PM - 11:00 PM	64.2	78.0	63.7
11:00 PM - 12:00 AM	64.7	78.2	64.0
12:00 AM - 01:00 AM	65.1	77.6	64.3
01:00 AM - 02:00 AM	67.6	75.8	66.2
02:00 AM - 03:00 AM	65.9	75.2	64.8
03:00 AM - 04:00 AM	65.0	73.9	64.3
04:00 AM - 05:00 AM	64.6	70.1	63.9
05:00 AM - 06:00 AM	64.8	77.1	63.9
06:00 AM - 07:00 AM	64.7	72.9	63.9
07:00 AM - 08:00 AM	63.9	75.3	63.3
08:00 AM - 09:00 AM	64.8	74.4	64.1
09:00 AM - 10:00 AM	64.1	77.6	63.0
10:00 AM - 11:00 AM	66.0	82.7	64.5
11:00 AM - 12:00 PM	65.8	76.8	64.6
12:00 PM - 01:00 PM	65.2	72.0	64.3
01:00 PM - 02:00 PM	67.4	83.0	65.2
02:00 PM - 03:00 PM	66.0	75.0	64.8
03:00 PM - 04:00 PM	64.4	76.1	63.8
04:00 PM - 05:00 PM	64.6	75.6	63.9

Leq Average 24 hrs. (dB(A))

65.3

Lmax (dB(A))

83.0

L90 (dB(A))

64.0

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 และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (1:49PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023170-1

Page 1 of 1

Sample Number 2417318-2
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Jun 01 - Jun 02, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	65.7	80.4	64.5
06:00 PM - 07:00 PM	66.4	77.8	65.0
07:00 PM - 08:00 PM	64.6	79.1	64.0
08:00 PM - 09:00 PM	64.7	71.7	64.2
09:00 PM - 10:00 PM	65.6	76.9	64.8
10:00 PM - 11:00 PM	65.0	74.0	64.1
11:00 PM - 12:00 AM	64.3	77.9	63.7
12:00 AM - 01:00 AM	64.1	72.7	63.5
01:00 AM - 02:00 AM	63.9	69.4	63.4
02:00 AM - 03:00 AM	64.9	76.2	64.3
03:00 AM - 04:00 AM	64.9	71.8	64.3
04:00 AM - 05:00 AM	65.5	76.1	64.3
05:00 AM - 06:00 AM	66.5	78.0	64.9
06:00 AM - 07:00 AM	64.7	81.9	64.0
07:00 AM - 08:00 AM	64.9	74.0	64.1
08:00 AM - 09:00 AM	64.6	77.6	63.9
09:00 AM - 10:00 AM	64.6	72.2	64.0
10:00 AM - 11:00 AM	65.4	75.9	64.7
11:00 AM - 12:00 PM	64.6	73.0	63.9
12:00 PM - 01:00 PM	65.1	71.1	64.5
01:00 PM - 02:00 PM	64.9	78.8	64.1
02:00 PM - 03:00 PM	66.8	98.2	64.2
03:00 PM - 04:00 PM	64.5	71.7	63.9
04:00 PM - 05:00 PM	64.8	71.1	64.1

Leq Average 24 hrs. (dB(A))

65.1

Lmax (dB(A))

98.2

L90 (dB(A))

64.1

Ldn (dB(A))

71.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (1:49PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023171-1

Page 1 of 1

Sample Number 2417318-3
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Jun 02 - Jun 03, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	65.4	80.9	64.6
06:00 PM - 07:00 PM	64.7	80.1	64.0
07:00 PM - 08:00 PM	65.1	71.7	64.4
08:00 PM - 09:00 PM	66.2	75.5	65.2
09:00 PM - 10:00 PM	66.3	78.4	65.1
10:00 PM - 11:00 PM	65.1	73.4	64.4
11:00 PM - 12:00 AM	65.0	78.6	64.3
12:00 AM - 01:00 AM	65.6	71.9	65.0
01:00 AM - 02:00 AM	64.5	71.2	63.8
02:00 AM - 03:00 AM	65.1	74.6	64.1
03:00 AM - 04:00 AM	66.4	74.4	65.5
04:00 AM - 05:00 AM	65.7	77.0	64.8
05:00 AM - 06:00 AM	66.8	77.2	65.4
06:00 AM - 07:00 AM	66.6	75.0	65.3
07:00 AM - 08:00 AM	66.1	76.0	64.8
08:00 AM - 09:00 AM	65.9	80.5	64.8
09:00 AM - 10:00 AM	65.7	73.0	64.6
10:00 AM - 11:00 AM	67.7	78.1	65.8
11:00 AM - 12:00 PM	67.0	76.5	65.5
12:00 PM - 01:00 PM	67.0	75.5	65.6
01:00 PM - 02:00 PM	65.5	76.5	64.4
02:00 PM - 03:00 PM	65.4	72.0	64.2
03:00 PM - 04:00 PM	65.7	76.6	64.5
04:00 PM - 05:00 PM	65.9	78.3	64.7

Leq Average 24 hrs. (dB(A))

65.9

Lmax (dB(A))

80.9

L90 (dB(A))

64.7

Ldn (dB(A))

72.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (1:49PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023172-1

Page 1 of 1

Sample Number 2417318-4
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Jun 03 - Jun 04, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	67.9	75.9	66.3
06:00 PM - 07:00 PM	65.7	72.5	64.6
07:00 PM - 08:00 PM	65.7	73.8	64.5
08:00 PM - 09:00 PM	65.5	76.0	64.4
09:00 PM - 10:00 PM	64.5	71.8	63.5
10:00 PM - 11:00 PM	64.8	78.6	63.7
11:00 PM - 12:00 AM	65.1	81.4	63.9
12:00 AM - 01:00 AM	65.4	78.5	64.6
01:00 AM - 02:00 AM	67.7	77.4	65.9
02:00 AM - 03:00 AM	67.3	80.5	65.3
03:00 AM - 04:00 AM	66.3	77.3	65.4
04:00 AM - 05:00 AM	67.7	77.4	66.5
05:00 AM - 06:00 AM	68.2	73.9	66.6
06:00 AM - 07:00 AM	68.0	77.5	66.3
07:00 AM - 08:00 AM	66.1	73.0	65.0
08:00 AM - 09:00 AM	67.1	78.6	65.2
09:00 AM - 10:00 AM	66.6	76.2	65.1
10:00 AM - 11:00 AM	66.6	82.0	65.2
11:00 AM - 12:00 PM	65.9	77.2	64.6
12:00 PM - 01:00 PM	66.8	73.8	65.0
01:00 PM - 02:00 PM	66.5	81.8	64.5
02:00 PM - 03:00 PM	67.0	76.0	65.3
03:00 PM - 04:00 PM	66.4	81.7	64.6
04:00 PM - 05:00 PM	67.5	73.0	66.0

Leq Average 24 hrs. (dB(A))

66.6

Lmax (dB(A))

82.0

L90 (dB(A))

65.0

Ldn (dB(A))

73.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (1:49PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023173-1

Page 1 of 1

Sample Number 2417318-5
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Jun 04 - Jun 05, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	66.3	74.5	64.8
06:00 PM - 07:00 PM	67.5	77.6	65.8
07:00 PM - 08:00 PM	66.1	72.1	64.7
08:00 PM - 09:00 PM	65.8	71.5	64.3
09:00 PM - 10:00 PM	66.4	73.8	64.8
10:00 PM - 11:00 PM	66.3	76.0	64.7
11:00 PM - 12:00 AM	66.9	73.5	65.2
12:00 AM - 01:00 AM	68.0	87.8	66.1
01:00 AM - 02:00 AM	66.4	81.5	65.1
02:00 AM - 03:00 AM	65.7	72.6	64.1
03:00 AM - 04:00 AM	65.6	70.9	63.9
04:00 AM - 05:00 AM	65.8	71.3	64.2
05:00 AM - 06:00 AM	68.1	77.7	65.7
06:00 AM - 07:00 AM	67.4	74.4	65.6
07:00 AM - 08:00 AM	65.6	70.5	64.1
08:00 AM - 09:00 AM	66.0	81.5	64.6
09:00 AM - 10:00 AM	65.5	76.5	64.0
10:00 AM - 11:00 AM	66.1	74.9	64.6
11:00 AM - 12:00 PM	65.4	76.9	63.8
12:00 PM - 01:00 PM	65.1	74.9	63.5
01:00 PM - 02:00 PM	67.4	95.2	65.0
02:00 PM - 03:00 PM	66.3	85.6	64.5
03:00 PM - 04:00 PM	68.8	87.1	66.0
04:00 PM - 05:00 PM	68.6	75.2	66.3

Leq Average 24 hrs. (dB(A))

66.7

Lmax (dB(A))

95.2

L90 (dB(A))

64.7

Ldn (dB(A))

73.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:57PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023174-1

Page 1 of 1

Sample Number 2417318-6
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Jun 05 - Jun 06, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	66.2	82.5	63.9
06:00 PM - 07:00 PM	66.5	82.4	64.4
07:00 PM - 08:00 PM	66.9	77.3	64.5
08:00 PM - 09:00 PM	65.6	76.6	63.5
09:00 PM - 10:00 PM	65.6	78.1	63.6
10:00 PM - 11:00 PM	68.4	76.3	65.6
11:00 PM - 12:00 AM	66.7	76.3	64.7
12:00 AM - 01:00 AM	65.1	71.9	63.7
01:00 AM - 02:00 AM	64.9	77.9	63.5
02:00 AM - 03:00 AM	66.2	76.6	64.2
03:00 AM - 04:00 AM	68.3	76.0	65.6
04:00 AM - 05:00 AM	64.7	74.7	63.3
05:00 AM - 06:00 AM	66.8	75.0	64.4
06:00 AM - 07:00 AM	67.3	76.1	65.0
07:00 AM - 08:00 AM	64.8	69.7	63.5
08:00 AM - 09:00 AM	64.8	76.9	63.4
09:00 AM - 10:00 AM	64.7	77.4	63.4
10:00 AM - 11:00 AM	64.6	74.8	63.4
11:00 AM - 12:00 PM	65.8	78.8	64.0
12:00 PM - 01:00 PM	65.2	84.0	64.1
01:00 PM - 02:00 PM	64.9	79.3	63.4
02:00 PM - 03:00 PM	65.0	81.9	63.4
03:00 PM - 04:00 PM	65.8	77.6	63.7
04:00 PM - 05:00 PM	65.2	82.5	63.5

Leq Average 24 hrs. (dB(A))

66.0

Lmax (dB(A))

84.0

L90 (dB(A))

63.7

Ldn (dB(A))

72.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:58PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023175-1

Page 1 of 1

Sample Number 2417318-7
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วด้านทิศเหนือของโรงงาน (GPS 47P 0734090, 1404555)
Measurement Date Jun 06 - Jun 07, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1120938

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	64.8	69.7	63.4
06:00 PM - 07:00 PM	65.2	75.2	63.7
07:00 PM - 08:00 PM	65.9	75.3	64.6
08:00 PM - 09:00 PM	65.6	76.2	63.7
09:00 PM - 10:00 PM	68.5	76.4	65.7
10:00 PM - 11:00 PM	67.4	74.6	65.1
11:00 PM - 12:00 AM	67.9	74.7	65.7
12:00 AM - 01:00 AM	65.1	77.1	63.8
01:00 AM - 02:00 AM	68.2	82.9	65.3
02:00 AM - 03:00 AM	67.0	75.3	64.7
03:00 AM - 04:00 AM	65.2	73.1	64.0
04:00 AM - 05:00 AM	65.3	82.6	63.5
05:00 AM - 06:00 AM	67.3	81.9	64.8
06:00 AM - 07:00 AM	64.8	73.1	63.4
07:00 AM - 08:00 AM	64.4	76.3	63.3
08:00 AM - 09:00 AM	65.6	75.2	63.8
09:00 AM - 10:00 AM	65.6	83.0	63.6
10:00 AM - 11:00 AM	65.0	85.4	63.5
11:00 AM - 12:00 PM	65.0	76.4	63.6
12:00 PM - 01:00 PM	65.1	75.5	63.9
01:00 PM - 02:00 PM	64.6	78.9	63.3
02:00 PM - 03:00 PM	65.6	81.6	63.7
03:00 PM - 04:00 PM	64.6	77.2	63.6
04:00 PM - 05:00 PM	64.8	81.6	63.7

Leq Average 24 hrs. (dB(A))

66.0

Lmax (dB(A))

85.4

L90 (dB(A))

63.7

Ldn (dB(A))

72.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (1:58PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023176-1

Page 1 of 1

Sample Number 2417318-8
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมภณ (GPS 47P 0735038, 1405843)
Measurement Date May 31 - Jun 01, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	59.6	77.1	54.8
06:00 PM - 07:00 PM	55.2	73.4	52.6
07:00 PM - 08:00 PM	56.1	74.3	52.6
08:00 PM - 09:00 PM	57.4	80.8	53.4
09:00 PM - 10:00 PM	55.4	79.5	51.3
10:00 PM - 11:00 PM	53.9	64.3	51.4
11:00 PM - 12:00 AM	51.6	70.5	50.0
12:00 AM - 01:00 AM	55.7	70.2	50.5
01:00 AM - 02:00 AM	58.3	65.6	50.8
02:00 AM - 03:00 AM	58.7	87.1	52.5
03:00 AM - 04:00 AM	54.8	64.0	49.8
04:00 AM - 05:00 AM	50.6	63.1	48.9
05:00 AM - 06:00 AM	53.8	81.4	50.8
06:00 AM - 07:00 AM	55.3	76.9	52.4
07:00 AM - 08:00 AM	55.1	75.1	52.0
08:00 AM - 09:00 AM	59.7	75.1	54.6
09:00 AM - 10:00 AM	56.5	84.8	52.4
10:00 AM - 11:00 AM	56.5	73.3	53.1
11:00 AM - 12:00 PM	56.7	82.7	52.2
12:00 PM - 01:00 PM	54.5	79.6	51.1
01:00 PM - 02:00 PM	54.6	68.8	51.5
02:00 PM - 03:00 PM	53.1	70.1	50.3
03:00 PM - 04:00 PM	54.6	70.9	51.0
04:00 PM - 05:00 PM	56.2	74.2	53.2

Leq Average 24 hrs. (dB(A))

56.1

Lmax (dB(A))

87.1

L90 (dB(A))

51.5

Ldn (dB(A))

62.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (1:50PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023177-1

Page 1 of 1

Sample Number 2417318-9
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมกวน (GPS 47P 0735038, 1405843)
Measurement Date Jun 01 - Jun 02, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	57.9	75.0	54.1
06:00 PM - 07:00 PM	59.9	76.1	58.1
07:00 PM - 08:00 PM	56.5	72.0	54.9
08:00 PM - 09:00 PM	60.7	68.9	60.1
09:00 PM - 10:00 PM	58.1	70.7	57.0
10:00 PM - 11:00 PM	61.9	75.5	61.1
11:00 PM - 12:00 AM	64.0	77.6	63.3
12:00 AM - 01:00 AM	66.5	78.1	65.9
01:00 AM - 02:00 AM	64.9	77.6	64.2
02:00 AM - 03:00 AM	64.8	78.1	64.4
03:00 AM - 04:00 AM	64.1	77.8	63.7
04:00 AM - 05:00 AM	59.4	75.4	58.6
05:00 AM - 06:00 AM	57.9	79.6	55.8
06:00 AM - 07:00 AM	56.9	72.6	54.5
07:00 AM - 08:00 AM	58.4	70.7	55.5
08:00 AM - 09:00 AM	56.3	72.5	53.3
09:00 AM - 10:00 AM	54.3	68.6	51.8
10:00 AM - 11:00 AM	55.0	67.6	52.3
11:00 AM - 12:00 PM	57.3	74.3	53.6
12:00 PM - 01:00 PM	55.3	71.2	52.3
01:00 PM - 02:00 PM	56.0	80.4	52.3
02:00 PM - 03:00 PM	54.4	67.9	51.7
03:00 PM - 04:00 PM	53.2	71.2	51.0
04:00 PM - 05:00 PM	55.2	71.7	52.3

Leq Average 24 hrs. (dB(A))

60.5

Lmax (dB(A))

80.4

L90 (dB(A))

54.9

Ldn (dB(A))

69.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (1:50PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023178-1

Page 1 of 1

Sample Number 2417318-10
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมกวน (GPS 47P 0735038, 1405843)
Measurement Date Jun 02 - Jun 03, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	58.0	81.7	52.8
06:00 PM - 07:00 PM	57.5	73.3	54.4
07:00 PM - 08:00 PM	53.8	74.3	51.3
08:00 PM - 09:00 PM	53.5	72.0	51.1
09:00 PM - 10:00 PM	54.3	77.7	50.5
10:00 PM - 11:00 PM	55.1	80.9	50.7
11:00 PM - 12:00 AM	53.6	67.6	51.4
12:00 AM - 01:00 AM	54.8	67.4	52.1
01:00 AM - 02:00 AM	54.2	72.4	52.3
02:00 AM - 03:00 AM	52.5	66.8	50.7
03:00 AM - 04:00 AM	51.7	72.7	49.0
04:00 AM - 05:00 AM	50.2	64.9	49.1
05:00 AM - 06:00 AM	54.0	73.8	51.2
06:00 AM - 07:00 AM	54.3	72.5	51.3
07:00 AM - 08:00 AM	56.6	73.3	51.7
08:00 AM - 09:00 AM	54.3	70.8	51.4
09:00 AM - 10:00 AM	55.4	78.2	52.1
10:00 AM - 11:00 AM	54.6	71.5	51.1
11:00 AM - 12:00 PM	55.5	79.9	50.9
12:00 PM - 01:00 PM	54.2	76.8	50.6
01:00 PM - 02:00 PM	55.0	79.1	49.7
02:00 PM - 03:00 PM	54.3	75.6	49.7
03:00 PM - 04:00 PM	53.9	78.9	49.3
04:00 PM - 05:00 PM	53.9	75.7	50.3

Leq Average 24 hrs. (dB(A))

54.7

Lmax (dB(A))

81.7

L90 (dB(A))

51.1

Ldn (dB(A))

60.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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Supot Salamteh
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S:\Reports_Air Noise rpt (1:50PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023179-1

Page 1 of 1

Sample Number 2417318-11
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมกวน (GPS 47P 0735038, 1405843)
Measurement Date Jun 03 - Jun 04, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	55.8	78.5	50.9
06:00 PM - 07:00 PM	53.5	73.1	50.9
07:00 PM - 08:00 PM	54.4	84.8	50.2
08:00 PM - 09:00 PM	52.5	72.6	49.5
09:00 PM - 10:00 PM	51.4	71.4	48.9
10:00 PM - 11:00 PM	50.9	69.1	48.7
11:00 PM - 12:00 AM	51.9	62.8	50.4
12:00 AM - 01:00 AM	53.2	73.3	51.2
01:00 AM - 02:00 AM	51.2	60.5	49.2
02:00 AM - 03:00 AM	52.1	67.5	50.1
03:00 AM - 04:00 AM	51.1	65.0	49.4
04:00 AM - 05:00 AM	52.2	64.6	49.7
05:00 AM - 06:00 AM	54.3	73.3	51.3
06:00 AM - 07:00 AM	55.7	73.3	51.7
07:00 AM - 08:00 AM	54.9	71.5	52.0
08:00 AM - 09:00 AM	53.2	68.6	50.8
09:00 AM - 10:00 AM	54.8	76.4	51.5
10:00 AM - 11:00 AM	55.9	72.0	50.7
11:00 AM - 12:00 PM	56.9	78.5	52.0
12:00 PM - 01:00 PM	56.0	72.1	51.3
01:00 PM - 02:00 PM	53.0	70.6	50.7
02:00 PM - 03:00 PM	53.4	79.5	49.8
03:00 PM - 04:00 PM	53.1	64.1	50.6
04:00 PM - 05:00 PM	55.6	75.7	51.4

Leq Average 24 hrs. (dB(A)) 54.0
Lmax (dB(A)) 84.8
L90 (dB(A)) 50.7
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

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:51PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023180-1

Page 1 of 1

Sample Number 2417318-12
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมกวน (GPS 47P 0735038, 1405843)
Measurement Date Jun 04 - Jun 05, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	54.7	73.1	51.7
06:00 PM - 07:00 PM	56.7	75.5	52.4
07:00 PM - 08:00 PM	52.7	74.4	49.1
08:00 PM - 09:00 PM	51.4	66.1	49.1
09:00 PM - 10:00 PM	52.7	77.6	48.4
10:00 PM - 11:00 PM	50.3	68.0	48.1
11:00 PM - 12:00 AM	50.4	68.6	48.2
12:00 AM - 01:00 AM	50.3	67.1	48.7
01:00 AM - 02:00 AM	50.2	73.8	48.1
02:00 AM - 03:00 AM	50.0	76.6	48.3
03:00 AM - 04:00 AM	50.7	58.8	48.8
04:00 AM - 05:00 AM	51.4	75.1	49.0
05:00 AM - 06:00 AM	53.3	66.9	50.5
06:00 AM - 07:00 AM	55.5	71.6	52.1
07:00 AM - 08:00 AM	55.3	72.2	52.4
08:00 AM - 09:00 AM	54.9	79.1	50.6
09:00 AM - 10:00 AM	53.5	71.0	51.0
10:00 AM - 11:00 AM	52.3	75.3	49.4
11:00 AM - 12:00 PM	54.5	81.0	49.8
12:00 PM - 01:00 PM	54.5	78.9	50.7
01:00 PM - 02:00 PM	56.8	74.0	53.0
02:00 PM - 03:00 PM	56.5	67.7	53.3
03:00 PM - 04:00 PM	57.7	74.9	53.1
04:00 PM - 05:00 PM	58.6	74.9	54.5

Leq Average 24 hrs. (dB(A)) 54.3
Lmax (dB(A)) 81.0
L90 (dB(A)) 49.8
Ldn (dB(A)) 58.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:51PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023181-1

Page 1 of 1

Sample Number 2417318-13
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมถะ (GPS 47P 0735038, 1405843)
Measurement Date Jun 05 - Jun 06, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	54.3	76.6	51.8
06:00 PM - 07:00 PM	56.1	82.5	52.4
07:00 PM - 08:00 PM	53.4	70.3	50.8
08:00 PM - 09:00 PM	52.8	74.9	50.4
09:00 PM - 10:00 PM	53.1	74.3	50.3
10:00 PM - 11:00 PM	53.3	77.9	49.9
11:00 PM - 12:00 AM	53.4	64.4	50.1
12:00 AM - 01:00 AM	54.2	70.3	51.0
01:00 AM - 02:00 AM	54.0	65.1	52.8
02:00 AM - 03:00 AM	51.1	59.6	50.4
03:00 AM - 04:00 AM	51.2	67.8	50.1
04:00 AM - 05:00 AM	51.6	63.7	50.4
05:00 AM - 06:00 AM	55.7	79.9	51.3
06:00 AM - 07:00 AM	55.4	72.2	52.7
07:00 AM - 08:00 AM	56.0	74.0	52.8
08:00 AM - 09:00 AM	56.4	79.7	51.9
09:00 AM - 10:00 AM	54.5	73.3	51.4
10:00 AM - 11:00 AM	56.0	79.3	51.6
11:00 AM - 12:00 PM	53.7	70.3	51.1
12:00 PM - 01:00 PM	55.7	73.6	53.3
01:00 PM - 02:00 PM	56.6	71.7	53.0
02:00 PM - 03:00 PM	55.8	69.3	53.0
03:00 PM - 04:00 PM	54.6	78.8	50.9
04:00 PM - 05:00 PM	54.5	70.7	51.3

Leq Average 24 hrs. (dB(A)) 54.6
Lmax (dB(A)) 82.5
L90 (dB(A)) 51.3
Ldn (dB(A)) 60.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:51PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023182-1

Page 1 of 1

Sample Number 2417318-14
Parameter Noise (Leq 24 hrs.)
Location ชุมชนวัดโสมถะ (GPS 47P 0735038, 1405843)
Measurement Date Jun 06 - Jun 07, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	53.4	72.6	50.4
06:00 PM - 07:00 PM	55.8	79.4	51.8
07:00 PM - 08:00 PM	53.4	72.1	50.0
08:00 PM - 09:00 PM	53.8	76.4	49.6
09:00 PM - 10:00 PM	52.8	71.0	49.1
10:00 PM - 11:00 PM	52.1	70.6	48.2
11:00 PM - 12:00 AM	52.8	65.3	49.1
12:00 AM - 01:00 AM	52.3	63.3	48.8
01:00 AM - 02:00 AM	51.3	73.9	47.6
02:00 AM - 03:00 AM	47.7	69.5	45.5
03:00 AM - 04:00 AM	48.1	67.9	45.3
04:00 AM - 05:00 AM	47.5	69.0	45.4
05:00 AM - 06:00 AM	53.9	69.1	50.4
06:00 AM - 07:00 AM	53.6	67.4	50.6
07:00 AM - 08:00 AM	55.5	74.5	50.9
08:00 AM - 09:00 AM	55.1	76.4	50.6
09:00 AM - 10:00 AM	53.5	76.4	50.3
10:00 AM - 11:00 AM	53.3	69.4	50.2
11:00 AM - 12:00 PM	53.4	68.2	50.3
12:00 PM - 01:00 PM	56.4	91.0	51.8
01:00 PM - 02:00 PM	57.1	86.7	52.5
02:00 PM - 03:00 PM	56.2	76.5	51.0
03:00 PM - 04:00 PM	58.3	75.8	54.5
04:00 PM - 05:00 PM	57.4	72.2	54.1

Leq Average 24 hrs. (dB(A)) 54.3
Lmax (dB(A)) 91.0
L90 (dB(A)) 50.3
Ldn (dB(A)) 58.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:51PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023183-1

Page 1 of 1

Sample Number 2417318-15
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (GPS 47P 0735531, 1402769)
Measurement Date May 31 - Jun 01, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	57.4	75.0	51.6
06:00 PM - 07:00 PM	55.8	76.9	50.9
07:00 PM - 08:00 PM	55.5	76.5	51.4
08:00 PM - 09:00 PM	54.9	71.8	50.1
09:00 PM - 10:00 PM	55.8	81.1	49.1
10:00 PM - 11:00 PM	54.4	78.5	47.8
11:00 PM - 12:00 AM	51.8	75.2	46.0
12:00 AM - 01:00 AM	51.9	74.8	46.3
01:00 AM - 02:00 AM	49.7	73.3	44.0
02:00 AM - 03:00 AM	51.0	78.3	43.9
03:00 AM - 04:00 AM	54.3	76.3	43.5
04:00 AM - 05:00 AM	58.0	76.3	46.3
05:00 AM - 06:00 AM	57.3	87.4	48.6
06:00 AM - 07:00 AM	57.8	81.9	50.5
07:00 AM - 08:00 AM	56.3	76.0	50.6
08:00 AM - 09:00 AM	58.4	75.3	53.0
09:00 AM - 10:00 AM	55.2	77.6	49.3
10:00 AM - 11:00 AM	54.6	77.2	48.3
11:00 AM - 12:00 PM	55.7	76.4	49.8
12:00 PM - 01:00 PM	54.3	74.6	48.1
01:00 PM - 02:00 PM	54.3	74.8	48.0
02:00 PM - 03:00 PM	56.0	77.2	51.3
03:00 PM - 04:00 PM	56.6	80.4	49.6
04:00 PM - 05:00 PM	57.6	79.0	51.9

Leq Average 24 hrs. (dB(A)) 55.7
Lmax (dB(A)) 87.4
L90 (dB(A)) 49.1
Ldn (dB(A)) 61.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (1:52PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023184-1

Page 1 of 1

Sample Number 2417318-16
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (GPS 47P 0735531, 1402769)
Measurement Date Jun 01 - Jun 02, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	57.8	75.0	52.1
06:00 PM - 07:00 PM	56.9	90.4	50.8
07:00 PM - 08:00 PM	55.3	73.9	49.4
08:00 PM - 09:00 PM	55.0	83.4	50.5
09:00 PM - 10:00 PM	56.1	73.3	53.3
10:00 PM - 11:00 PM	57.9	71.2	56.1
11:00 PM - 12:00 AM	57.6	67.0	56.2
12:00 AM - 01:00 AM	63.6	69.6	62.2
01:00 AM - 02:00 AM	60.6	69.0	58.5
02:00 AM - 03:00 AM	60.8	71.2	59.4
03:00 AM - 04:00 AM	59.4	75.5	55.7
04:00 AM - 05:00 AM	62.1	76.4	59.9
05:00 AM - 06:00 AM	60.6	76.7	56.4
06:00 AM - 07:00 AM	58.9	75.0	52.1
07:00 AM - 08:00 AM	58.9	82.4	51.5
08:00 AM - 09:00 AM	56.1	78.5	48.8
09:00 AM - 10:00 AM	56.2	77.1	48.6
10:00 AM - 11:00 AM	56.0	81.7	48.6
11:00 AM - 12:00 PM	56.6	77.4	49.3
12:00 PM - 01:00 PM	54.8	77.8	48.5
01:00 PM - 02:00 PM	55.0	77.1	48.2
02:00 PM - 03:00 PM	54.0	72.4	46.7
03:00 PM - 04:00 PM	55.5	76.8	46.8
04:00 PM - 05:00 PM	57.9	90.9	50.0

Leq Average 24 hrs. (dB(A)) 58.4
Lmax (dB(A)) 90.9
L90 (dB(A)) 50.8
Ldn (dB(A)) 66.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023185-1

Page 1 of 1

Sample Number 2417318-17
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (GPS 47P 0735531, 1402769)
Measurement Date Jun 02 - Jun 03, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	56.6	76.0	51.7
06:00 PM - 07:00 PM	57.0	74.2	52.4
07:00 PM - 08:00 PM	59.1	86.3	54.0
08:00 PM - 09:00 PM	57.0	73.6	52.5
09:00 PM - 10:00 PM	59.1	82.7	51.0
10:00 PM - 11:00 PM	56.7	81.3	51.1
11:00 PM - 12:00 AM	56.0	84.3	49.8
12:00 AM - 01:00 AM	55.2	75.3	49.7
01:00 AM - 02:00 AM	53.2	74.2	47.2
02:00 AM - 03:00 AM	54.8	71.1	46.0
03:00 AM - 04:00 AM	62.6	77.7	51.1
04:00 AM - 05:00 AM	65.7	76.4	50.0
05:00 AM - 06:00 AM	58.6	76.9	48.1
06:00 AM - 07:00 AM	57.6	79.1	48.8
07:00 AM - 08:00 AM	56.7	77.5	49.4
08:00 AM - 09:00 AM	56.0	75.3	49.5
09:00 AM - 10:00 AM	56.5	81.3	48.2
10:00 AM - 11:00 AM	57.1	79.0	49.1
11:00 AM - 12:00 PM	56.3	77.2	48.2
12:00 PM - 01:00 PM	56.1	77.7	47.5
01:00 PM - 02:00 PM	57.5	79.9	47.9
02:00 PM - 03:00 PM	58.2	78.9	47.8
03:00 PM - 04:00 PM	54.6	74.7	47.0
04:00 PM - 05:00 PM	56.9	77.0	50.2

Leq Average 24 hrs. (dB(A))

58.3

Lmax (dB(A))

86.3

L90 (dB(A))

49.4

Ldn (dB(A))

65.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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4989-122/ EMAIL

S:\Reports_Air Noise.rpt (1:52PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023186-1

Page 1 of 1

Sample Number 2417318-18
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (GPS 47P 0735531, 1402769)
Measurement Date Jun 03 - Jun 04, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	56.4	75.2	51.0
06:00 PM - 07:00 PM	57.8	78.0	52.0
07:00 PM - 08:00 PM	58.3	86.9	51.1
08:00 PM - 09:00 PM	56.4	76.1	51.2
09:00 PM - 10:00 PM	55.1	76.9	49.5
10:00 PM - 11:00 PM	54.2	78.3	48.3
11:00 PM - 12:00 AM	54.1	76.8	46.8
12:00 AM - 01:00 AM	51.7	72.1	46.3
01:00 AM - 02:00 AM	49.4	71.1	44.3
02:00 AM - 03:00 AM	53.6	75.3	43.8
03:00 AM - 04:00 AM	56.3	84.2	43.5
04:00 AM - 05:00 AM	57.3	77.1	44.8
05:00 AM - 06:00 AM	56.6	78.2	47.9
06:00 AM - 07:00 AM	59.5	84.8	49.8
07:00 AM - 08:00 AM	57.2	78.2	49.2
08:00 AM - 09:00 AM	56.5	83.3	48.5
09:00 AM - 10:00 AM	57.0	80.2	49.0
10:00 AM - 11:00 AM	54.9	74.4	47.7
11:00 AM - 12:00 PM	54.2	75.7	47.9
12:00 PM - 01:00 PM	56.8	81.1	47.1
01:00 PM - 02:00 PM	53.1	73.2	46.4
02:00 PM - 03:00 PM	56.3	79.7	47.0
03:00 PM - 04:00 PM	54.7	73.9	48.1
04:00 PM - 05:00 PM	56.5	81.0	50.5

Leq Average 24 hrs. (dB(A))

56.1

Lmax (dB(A))

86.9

L90 (dB(A))

47.9

Ldn (dB(A))

62.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (1:52PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023187-1

Page 1 of 1

Sample Number 2417318-19
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (GPS 47P 0735531, 1402769)
Measurement Date Jun 04 - Jun 05, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	56.1	86.0	50.0
06:00 PM - 07:00 PM	55.7	72.1	50.3
07:00 PM - 08:00 PM	55.8	77.9	49.6
08:00 PM - 09:00 PM	55.0	77.7	49.0
09:00 PM - 10:00 PM	56.3	80.0	48.8
10:00 PM - 11:00 PM	54.9	79.7	43.5
11:00 PM - 12:00 AM	53.0	78.3	43.6
12:00 AM - 01:00 AM	51.9	75.7	42.8
01:00 AM - 02:00 AM	47.6	68.0	42.5
02:00 AM - 03:00 AM	51.8	78.0	42.8
03:00 AM - 04:00 AM	51.7	76.8	42.3
04:00 AM - 05:00 AM	57.2	78.3	43.6
05:00 AM - 06:00 AM	56.6	77.0	48.5
06:00 AM - 07:00 AM	58.0	84.7	51.1
07:00 AM - 08:00 AM	57.8	75.9	50.9
08:00 AM - 09:00 AM	54.9	77.4	48.6
09:00 AM - 10:00 AM	54.0	74.2	46.8
10:00 AM - 11:00 AM	55.4	73.4	47.7
11:00 AM - 12:00 PM	54.3	75.2	47.7
12:00 PM - 01:00 PM	55.2	74.1	48.5
01:00 PM - 02:00 PM	53.8	75.4	46.4
02:00 PM - 03:00 PM	54.5	76.7	47.6
03:00 PM - 04:00 PM	56.0	74.9	48.2
04:00 PM - 05:00 PM	56.4	78.1	50.8

Leq Average 24 hrs. (dB(A))

55.2

Lmax (dB(A))

86.0

L90 (dB(A))

47.7

Ldn (dB(A))

61.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports_Air Noise rpt (1:52PM)



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 : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417318

Date Received : Jun 10, 2024

Date Reported : Jun 13, 2024

Report Number: 3023188-1

Page 1 of 1

Sample Number 2417318-20
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (GPS 47P 0735531, 1402769)
Measurement Date Jun 05 - Jun 06, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	55.8	76.3	50.3
06:00 PM - 07:00 PM	55.7	78.9	50.5
07:00 PM - 08:00 PM	56.1	85.8	50.1
08:00 PM - 09:00 PM	54.1	72.9	48.7
09:00 PM - 10:00 PM	54.9	73.4	47.7
10:00 PM - 11:00 PM	54.6	78.6	45.7
11:00 PM - 12:00 AM	51.6	74.2	44.8
12:00 AM - 01:00 AM	54.0	74.1	48.9
01:00 AM - 02:00 AM	55.0	76.9	48.8
02:00 AM - 03:00 AM	54.2	79.8	46.6
03:00 AM - 04:00 AM	55.0	75.6	46.4
04:00 AM - 05:00 AM	55.7	73.4	50.4
05:00 AM - 06:00 AM	57.3	78.6	49.7
06:00 AM - 07:00 AM	58.2	78.8	51.2
07:00 AM - 08:00 AM	58.4	76.0	51.3
08:00 AM - 09:00 AM	57.9	76.9	50.1
09:00 AM - 10:00 AM	56.3	79.2	47.3
10:00 AM - 11:00 AM	54.1	76.3	46.1
11:00 AM - 12:00 PM	56.4	76.5	49.1
12:00 PM - 01:00 PM	55.1	73.5	48.4
01:00 PM - 02:00 PM	55.1	76.1	47.9
02:00 PM - 03:00 PM	56.0	81.8	48.5
03:00 PM - 04:00 PM	57.9	78.8	50.3
04:00 PM - 05:00 PM	57.8	78.2	51.7

Leq Average 24 hrs. (dB(A))

56.0

Lmax (dB(A))

85.8

L90 (dB(A))

48.8

Ldn (dB(A))

62.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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Supot Salamteh
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S:\Reports_Air Noise rpt (1:53PM)



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

Lot ID: 2417318
Date Received : Jun 10, 2024
Date Reported : Jun 13, 2024
Report Number: 3023189-1

Page 1 of 1

Sample Number 2417318-21
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตาหวาน-อ่าวประจักษ์ (GPS 47P 0735531, 1402769)
Measurement Date Jun 06 - Jun 07, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
05:00 PM - 06:00 PM	56.7	77.1	50.9
06:00 PM - 07:00 PM	57.0	78.2	51.9
07:00 PM - 08:00 PM	55.9	76.8	50.8
08:00 PM - 09:00 PM	59.3	81.2	51.3
09:00 PM - 10:00 PM	55.7	80.3	50.2
10:00 PM - 11:00 PM	56.2	84.4	49.4
11:00 PM - 12:00 AM	54.3	77.3	47.5
12:00 AM - 01:00 AM	57.9	87.1	46.5
01:00 AM - 02:00 AM	52.4	75.0	43.9
02:00 AM - 03:00 AM	55.2	76.8	43.7
03:00 AM - 04:00 AM	59.3	77.0	44.5
04:00 AM - 05:00 AM	59.0	78.2	49.5
05:00 AM - 06:00 AM	57.1	76.7	49.3
06:00 AM - 07:00 AM	57.7	80.9	50.6
07:00 AM - 08:00 AM	57.1	74.5	50.1
08:00 AM - 09:00 AM	55.1	74.5	48.1
09:00 AM - 10:00 AM	54.3	73.7	47.6
10:00 AM - 11:00 AM	53.3	77.1	47.5
11:00 AM - 12:00 PM	56.6	75.9	50.0
12:00 PM - 01:00 PM	56.3	85.3	49.7
01:00 PM - 02:00 PM	54.4	76.1	47.8
02:00 PM - 03:00 PM	54.2	75.4	48.0
03:00 PM - 04:00 PM	53.9	72.4	48.0
04:00 PM - 05:00 PM	57.2	82.8	51.8

Leq Average 24 hrs. (dB(A)) 56.5
Lmax (dB(A)) 87.1
L90 (dB(A)) 49.3
Ldn (dB(A)) 63.3
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsriwong
Scientist (4)

Approved by

Supt S.

Supot Salamteh
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S:\Reports_Air Noise.rpt (2:02PM)



Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020702-1

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

Page 1 of 3

Sample Number 2417320-1
Parameter Noise Level (Leq 5 min)
Location ชุมชนวัดโสมกอน (GPS 47P 0735038, 1405843)
Measurement Date May 31 - Jun 01, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122578

May 31, 2024	Leq	L90	May 31, 2024	Leq	L90	May 31 - Jun 01, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	55.3	53.4	07:40 PM - 07:45 PM	54.8	52.3	10:20 PM - 10:25 PM	53.6	51.3
05:05 PM - 05:10 PM	57.1	53.4	07:45 PM - 07:50 PM	56.6	52.3	10:25 PM - 10:30 PM	51.7	50.3
05:10 PM - 05:15 PM	56.5	53.6	07:50 PM - 07:55 PM	55.5	52.7	10:30 PM - 10:35 PM	51.3	50.2
05:15 PM - 05:20 PM	60.3	54.7	07:55 PM - 08:00 PM	57.8	53.1	10:35 PM - 10:40 PM	52.2	50.5
05:20 PM - 05:25 PM	62.8	55.6	08:00 PM - 08:05 PM	56.7	52.6	10:40 PM - 10:45 PM	56.0	51.7
05:25 PM - 05:30 PM	60.3	53.6	08:05 PM - 08:10 PM	58.6	53.3	10:45 PM - 10:50 PM	57.5	54.7
05:30 PM - 05:35 PM	62.5	58.0	08:10 PM - 08:15 PM	60.4	55.3	10:50 PM - 10:55 PM	56.1	52.0
05:35 PM - 05:40 PM	61.7	57.9	08:15 PM - 08:20 PM	59.9	55.8	10:55 PM - 11:00 PM	53.4	50.6
05:40 PM - 05:45 PM	58.7	54.0	08:20 PM - 08:25 PM	56.8	53.3	11:00 PM - 11:05 PM	52.3	50.6
05:45 PM - 05:50 PM	56.2	53.6	08:25 PM - 08:30 PM	55.7	52.3	11:05 PM - 11:10 PM	53.4	50.0
05:50 PM - 05:55 PM	56.7	52.9	08:30 PM - 08:35 PM	57.0	54.1	11:10 PM - 11:15 PM	50.5	49.8
05:55 PM - 06:00 PM	58.9	52.4	08:35 PM - 08:40 PM	56.2	52.7	11:15 PM - 11:20 PM	50.9	49.7
06:00 PM - 06:05 PM	54.8	52.5	08:40 PM - 08:45 PM	54.9	51.8	11:20 PM - 11:25 PM	52.0	49.9
06:05 PM - 06:10 PM	53.8	51.7	08:45 PM - 08:50 PM	56.8	52.7	11:25 PM - 11:30 PM	51.4	49.8
06:10 PM - 06:15 PM	54.1	52.1	08:50 PM - 08:55 PM	57.2	53.5	11:30 PM - 11:35 PM	51.3	49.9
06:15 PM - 06:20 PM	54.8	52.2	08:55 PM - 09:00 PM	54.6	51.5	11:35 PM - 11:40 PM	50.9	50.2
06:20 PM - 06:25 PM	54.7	52.5	09:00 PM - 09:05 PM	55.1	51.3	11:40 PM - 11:45 PM	52.4	50.1
06:25 PM - 06:30 PM	54.9	52.1	09:05 PM - 09:10 PM	56.4	53.1	11:45 PM - 11:50 PM	51.1	50.3
06:30 PM - 06:35 PM	54.9	52.3	09:10 PM - 09:15 PM	55.0	52.2	11:50 PM - 11:55 PM	51.0	50.2
06:35 PM - 06:40 PM	57.4	52.8	09:15 PM - 09:20 PM	55.2	52.0	11:55 PM - 12:00 AM	51.0	49.8
06:40 PM - 06:45 PM	55.6	52.9	09:20 PM - 09:25 PM	53.0	50.7	12:00 AM - 12:05 AM	53.0	50.1
06:45 PM - 06:50 PM	55.4	53.6	09:25 PM - 09:30 PM	60.7	50.8	12:05 AM - 12:10 AM	51.3	50.4
06:50 PM - 06:55 PM	55.6	53.2	09:30 PM - 09:35 PM	52.2	50.3	12:10 AM - 12:15 AM	51.7	50.3
06:55 PM - 07:00 PM	54.9	52.6	09:35 PM - 09:40 PM	51.9	50.2	12:15 AM - 12:20 AM	52.9	50.1
07:00 PM - 07:05 PM	56.8	52.0	09:40 PM - 09:45 PM	53.4	50.9	12:20 AM - 12:25 AM	56.6	50.6
07:05 PM - 07:10 PM	54.2	52.4	09:45 PM - 09:50 PM	54.0	51.0	12:25 AM - 12:30 AM	56.5	50.4
07:10 PM - 07:15 PM	55.0	52.5	09:50 PM - 09:55 PM	52.6	50.5	12:30 AM - 12:35 AM	57.5	51.9
07:15 PM - 07:20 PM	56.3	53.0	09:55 PM - 10:00 PM	56.0	51.2	12:35 AM - 12:40 AM	55.6	50.8
07:20 PM - 07:25 PM	53.6	52.0	10:00 PM - 10:05 PM	52.7	50.8	12:40 AM - 12:45 AM	57.4	50.6
07:25 PM - 07:30 PM	55.4	51.9	10:05 PM - 10:10 PM	51.5	50.0	12:45 AM - 12:50 AM	55.3	50.3
07:30 PM - 07:35 PM	55.7	52.8	10:10 PM - 10:15 PM	52.8	50.9	12:50 AM - 12:55 AM	58.2	50.1
07:35 PM - 07:40 PM	58.6	54.1	10:15 PM - 10:20 PM	52.8	51.5	12:55 AM - 01:00 AM	56.3	49.6

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

Approved by

Sarayu Jitranont

Sarayu 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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020702-1

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

Page 2 of 3

Sample Number : 2417320-1
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 01, 2024	Leq	L90	Jun 01, 2024	Leq	L90	Jun 01, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	57.5	50.0	03:40 AM - 03:45 AM	50.6	48.7	06:20 AM - 06:25 AM	55.0	52.2
01:05 AM - 01:10 AM	58.6	50.3	03:45 AM - 03:50 AM	51.4	48.8	06:25 AM - 06:30 AM	56.8	52.1
01:10 AM - 01:15 AM	59.4	49.9	03:50 AM - 03:55 AM	51.2	48.9	06:30 AM - 06:35 AM	54.6	52.6
01:15 AM - 01:20 AM	58.9	50.3	03:55 AM - 04:00 AM	55.5	49.4	06:35 AM - 06:40 AM	56.5	52.8
01:20 AM - 01:25 AM	57.9	51.2	04:00 AM - 04:05 AM	49.5	48.9	06:40 AM - 06:45 AM	54.8	52.8
01:25 AM - 01:30 AM	58.0	50.3	04:05 AM - 04:10 AM	50.4	48.6	06:45 AM - 06:50 AM	55.0	52.8
01:30 AM - 01:35 AM	57.1	50.3	04:10 AM - 04:15 AM	51.0	49.2	06:50 AM - 06:55 AM	54.5	52.4
01:35 AM - 01:40 AM	57.5	50.8	04:15 AM - 04:20 AM	50.1	48.8	06:55 AM - 07:00 AM	54.6	52.7
01:40 AM - 01:45 AM	57.6	51.2	04:20 AM - 04:25 AM	50.2	48.7	07:00 AM - 07:05 AM	54.3	51.8
01:45 AM - 01:50 AM	59.9	53.6	04:25 AM - 04:30 AM	50.0	48.8	07:05 AM - 07:10 AM	54.8	52.1
01:50 AM - 01:55 AM	58.3	49.9	04:30 AM - 04:35 AM	52.9	49.1	07:10 AM - 07:15 AM	53.9	51.8
01:55 AM - 02:00 AM	58.4	49.6	04:35 AM - 04:40 AM	49.6	48.9	07:15 AM - 07:20 AM	55.6	52.7
02:00 AM - 02:05 AM	58.0	50.5	04:40 AM - 04:45 AM	50.6	49.1	07:20 AM - 07:25 AM	54.5	51.7
02:05 AM - 02:10 AM	58.7	51.3	04:45 AM - 04:50 AM	50.5	49.0	07:25 AM - 07:30 AM	54.7	52.1
02:10 AM - 02:15 AM	59.0	50.0	04:50 AM - 04:55 AM	51.1	49.3	07:30 AM - 07:35 AM	53.8	51.8
02:15 AM - 02:20 AM	58.9	50.3	04:55 AM - 05:00 AM	50.1	48.8	07:35 AM - 07:40 AM	57.5	52.0
02:20 AM - 02:25 AM	57.6	50.0	05:00 AM - 05:05 AM	51.0	49.0	07:40 AM - 07:45 AM	55.1	52.5
02:25 AM - 02:30 AM	59.6	54.8	05:05 AM - 05:10 AM	50.8	49.5	07:45 AM - 07:50 AM	53.7	51.4
02:30 AM - 02:35 AM	59.6	54.4	05:10 AM - 05:15 AM	51.7	49.8	07:50 AM - 07:55 AM	56.9	51.9
02:35 AM - 02:40 AM	59.5	53.4	05:15 AM - 05:20 AM	51.5	49.8	07:55 AM - 08:00 AM	54.9	52.0
02:40 AM - 02:45 AM	59.8	56.5	05:20 AM - 05:25 AM	51.3	49.7	08:00 AM - 08:05 AM	59.1	53.3
02:45 AM - 02:50 AM	56.7	50.1	05:25 AM - 05:30 AM	51.0	49.4	08:05 AM - 08:10 AM	59.9	53.6
02:50 AM - 02:55 AM	57.0	49.7	05:30 AM - 05:35 AM	56.6	50.5	08:10 AM - 08:15 AM	64.3	58.3
02:55 AM - 03:00 AM	58.5	51.9	05:35 AM - 05:40 AM	57.0	54.2	08:15 AM - 08:20 AM	61.8	55.0
03:00 AM - 03:05 AM	58.4	51.5	05:40 AM - 05:45 AM	53.9	51.6	08:20 AM - 08:25 AM	61.8	56.9
03:05 AM - 03:10 AM	57.8	51.5	05:45 AM - 05:50 AM	55.3	51.0	08:25 AM - 08:30 AM	60.8	53.4
03:10 AM - 03:15 AM	57.5	50.4	05:50 AM - 05:55 AM	52.8	50.9	08:30 AM - 08:35 AM	59.0	55.3
03:15 AM - 03:20 AM	56.0	50.7	05:55 AM - 06:00 AM	55.2	51.5	08:35 AM - 08:40 AM	57.2	54.6
03:20 AM - 03:25 AM	51.3	49.4	06:00 AM - 06:05 AM	54.8	52.0	08:40 AM - 08:45 AM	55.0	52.6
03:25 AM - 03:30 AM	53.7	49.2	06:05 AM - 06:10 AM	54.0	52.2	08:45 AM - 08:50 AM	55.3	52.7
03:30 AM - 03:35 AM	52.1	49.2	06:10 AM - 06:15 AM	56.3	51.6	08:50 AM - 08:55 AM	54.6	52.0
03:35 AM - 03:40 AM	50.0	48.8	06:15 AM - 06:20 AM	56.1	52.0	08:55 AM - 09:00 AM	55.0	51.8

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020702-1

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

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Sample Number : 2417320-1
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 01, 2024	Leq	L90	Jun 01, 2024	Leq	L90	Jun 01, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	57.5	52.2	11:40 AM - 11:45 AM	53.9	51.5	02:20 PM - 02:25 PM	53.3	49.9
09:05 AM - 09:10 AM	55.2	51.5	11:45 AM - 11:50 AM	56.5	52.9	02:25 PM - 02:30 PM	52.5	49.9
09:10 AM - 09:15 AM	57.1	52.3	11:50 AM - 11:55 AM	62.0	52.0	02:30 PM - 02:35 PM	52.2	49.0
09:15 AM - 09:20 AM	58.2	52.5	11:55 AM - 12:00 PM	54.1	51.5	02:35 PM - 02:40 PM	51.1	49.0
09:20 AM - 09:25 AM	56.9	52.3	12:00 PM - 12:05 PM	55.0	52.0	02:40 PM - 02:45 PM	52.5	49.8
09:25 AM - 09:30 AM	55.0	52.2	12:05 PM - 12:10 PM	56.8	52.8	02:45 PM - 02:50 PM	52.6	49.2
09:30 AM - 09:35 AM	55.7	52.9	12:10 PM - 12:15 PM	55.6	52.1	02:50 PM - 02:55 PM	53.1	49.6
09:35 AM - 09:40 AM	55.5	52.4	12:15 PM - 12:20 PM	54.2	52.1	02:55 PM - 03:00 PM	51.6	49.5
09:40 AM - 09:45 AM	55.5	52.7	12:20 PM - 12:25 PM	53.8	51.4	03:00 PM - 03:05 PM	54.3	50.5
09:45 AM - 09:50 AM	54.5	51.3	12:25 PM - 12:30 PM	52.6	50.2	03:05 PM - 03:10 PM	55.6	50.6
09:50 AM - 09:55 AM	57.6	53.6	12:30 PM - 12:35 PM	51.7	49.6	03:10 PM - 03:15 PM	52.9	50.5
09:55 AM - 10:00 AM	56.9	52.7	12:35 PM - 12:40 PM	58.2	50.1	03:15 PM - 03:20 PM	54.8	50.4
10:00 AM - 10:05 AM	56.8	52.5	12:40 PM - 12:45 PM	52.4	50.1	03:20 PM - 03:25 PM	54.2	50.6
10:05 AM - 10:10 AM	56.2	51.5	12:45 PM - 12:50 PM	52.3	50.3	03:25 PM - 03:30 PM	52.4	50.4
10:10 AM - 10:15 AM	55.9	51.6	12:50 PM - 12:55 PM	52.4	50.5	03:30 PM - 03:35 PM	53.7	49.9
10:15 AM - 10:20 AM	55.5	51.7	12:55 PM - 01:00 PM	53.1	50.2	03:35 PM - 03:40 PM	56.1	52.5
10:20 AM - 10:25 AM	55.4	52.3	01:00 PM - 01:05 PM	55.7	50.8	03:40 PM - 03:45 PM	56.1	51.9
10:25 AM - 10:30 AM	56.8	52.9	01:05 PM - 01:10 PM	55.5	51.5	03:45 PM - 03:50 PM	55.1	51.0
10:30 AM - 10:35 AM	57.2	53.6	01:10 PM - 01:15 PM	53.3	50.7	03:50 PM - 03:55 PM	53.2	51.2
10:35 AM - 10:40 AM	57.8	54.8	01:15 PM - 01:20 PM	55.1	51.8	03:55 PM - 04:00 PM	54.7	51.8
10:40 AM - 10:45 AM	58.1	55.2	01:20 PM - 01:25 PM	53.2	51.0	04:00 PM - 04:05 PM	53.3	51.6
10:45 AM - 10:50 AM	56.9	53.9	01:25 PM - 01:30 PM	53.1	51.1	04:05 PM - 04:10 PM	57.1	53.1
10:50 AM - 10:55 AM	56.3	52.4	01:30 PM - 01:35 PM	56.0	51.8	04:10 PM - 04:15 PM	53.9	52.5
10:55 AM - 11:00 AM	54.0	52.3	01:35 PM - 01:40 PM	54.6	52.6	04:15 PM - 04:20 PM	54.0	51.7
11:00 AM - 11:05 AM	55.6	53.1	01:40 PM - 01:45 PM	54.2	51.6	04:20 PM - 04:25 PM	56.4	53.1
11:05 AM - 11:10 AM	55.3	53.0	01:45 PM - 01:50 PM	53.8	51.5	04:25 PM - 04:30 PM	56.1	52.7
11:10 AM - 11:15 AM	55.0	51.2	01:50 PM - 01:55 PM	54.5	51.5	04:30 PM - 04:35 PM	57.5	53.4
11:15 AM - 11:20 AM	54.3	51.6	01:55 PM - 02:00 PM	54.6	52.1	04:35 PM - 04:40 PM	56.6	53.2
11:20 AM - 11:25 AM	54.5	51.4	02:00 PM - 02:05 PM	55.6	52.4	04:40 PM - 04:45 PM	56.1	53.6
11:25 AM - 11:30 AM	57.3	53.3	02:05 PM - 02:10 PM	54.1	51.5	04:45 PM - 04:50 PM	55.5	53.6
11:30 AM - 11:35 AM	56.7	52.8	02:10 PM - 02:15 PM	52.8	50.6	04:50 PM - 04:55 PM	57.2	54.1
11:35 AM - 11:40 AM	56.8	51.9	02:15 PM - 02:20 PM	53.5	51.1	04:55 PM - 05:00 PM	57.9	54.5

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020703-1

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

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Sample Number : 2417320-2
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 01 - Jun 02, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 01, 2024			Jun 01, 2024			Jun 01 - Jun 02, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	56.6	53.3	07:40 PM - 07:45 PM	53.7	52.2	10:20 PM - 10:25 PM	62.8	62.4
05:05 PM - 05:10 PM	57.9	53.7	07:45 PM - 07:50 PM	55.1	52.5	10:25 PM - 10:30 PM	62.0	61.1
05:10 PM - 05:15 PM	58.4	54.7	07:50 PM - 07:55 PM	60.4	58.9	10:30 PM - 10:35 PM	61.2	60.7
05:15 PM - 05:20 PM	58.0	54.7	07:55 PM - 08:00 PM	61.5	60.5	10:35 PM - 10:40 PM	61.7	61.3
05:20 PM - 05:25 PM	59.4	55.3	08:00 PM - 08:05 PM	61.0	60.6	10:40 PM - 10:45 PM	61.6	60.6
05:25 PM - 05:30 PM	56.2	52.3	08:05 PM - 08:10 PM	61.1	60.4	10:45 PM - 10:50 PM	60.3	59.4
05:30 PM - 05:35 PM	57.1	54.2	08:10 PM - 08:15 PM	60.8	60.2	10:50 PM - 10:55 PM	62.1	59.4
05:35 PM - 05:40 PM	57.5	54.0	08:15 PM - 08:20 PM	60.5	59.9	10:55 PM - 11:00 PM	64.6	64.2
05:40 PM - 05:45 PM	56.3	54.1	08:20 PM - 08:25 PM	59.9	59.5	11:00 PM - 11:05 PM	63.8	63.3
05:45 PM - 05:50 PM	56.1	53.4	08:25 PM - 08:30 PM	60.3	59.5	11:05 PM - 11:10 PM	64.9	63.7
05:50 PM - 05:55 PM	57.9	54.4	08:30 PM - 08:35 PM	61.0	60.3	11:10 PM - 11:15 PM	65.2	64.6
05:55 PM - 06:00 PM	60.9	54.6	08:35 PM - 08:40 PM	61.8	61.2	11:15 PM - 11:20 PM	64.8	63.7
06:00 PM - 06:05 PM	59.8	58.0	08:40 PM - 08:45 PM	61.4	60.9	11:20 PM - 11:25 PM	64.0	63.7
06:05 PM - 06:10 PM	59.2	57.7	08:45 PM - 08:50 PM	60.6	60.0	11:25 PM - 11:30 PM	65.0	64.6
06:10 PM - 06:15 PM	60.0	58.8	08:50 PM - 08:55 PM	59.8	59.3	11:30 PM - 11:35 PM	64.4	63.6
06:15 PM - 06:20 PM	61.3	58.3	08:55 PM - 09:00 PM	59.4	58.9	11:35 PM - 11:40 PM	63.4	62.3
06:20 PM - 06:25 PM	62.7	61.3	09:00 PM - 09:05 PM	58.9	58.3	11:40 PM - 11:45 PM	62.3	61.8
06:25 PM - 06:30 PM	60.7	59.9	09:05 PM - 09:10 PM	58.4	57.9	11:45 PM - 11:50 PM	62.8	62.4
06:30 PM - 06:35 PM	58.9	57.1	09:10 PM - 09:15 PM	58.1	57.6	11:50 PM - 11:55 PM	62.8	62.3
06:35 PM - 06:40 PM	58.3	56.8	09:15 PM - 09:20 PM	57.6	56.9	11:55 PM - 12:00 AM	63.0	62.2
06:40 PM - 06:45 PM	59.1	57.9	09:20 PM - 09:25 PM	58.0	56.8	12:00 AM - 12:05 AM	63.8	63.3
06:45 PM - 06:50 PM	60.4	57.4	09:25 PM - 09:30 PM	57.7	56.4	12:05 AM - 12:10 AM	64.6	63.7
06:50 PM - 06:55 PM	59.6	55.4	09:30 PM - 09:35 PM	57.0	56.0	12:10 AM - 12:15 AM	64.9	64.3
06:55 PM - 07:00 PM	55.7	53.3	09:35 PM - 09:40 PM	57.7	55.7	12:15 AM - 12:20 AM	65.9	65.5
07:00 PM - 07:05 PM	54.4	52.8	09:40 PM - 09:45 PM	57.8	55.7	12:20 AM - 12:25 AM	66.8	65.8
07:05 PM - 07:10 PM	54.7	52.7	09:45 PM - 09:50 PM	59.3	56.4	12:25 AM - 12:30 AM	68.9	68.0
07:10 PM - 07:15 PM	54.0	52.7	09:50 PM - 09:55 PM	57.8	57.1	12:30 AM - 12:35 AM	67.7	67.3
07:15 PM - 07:20 PM	54.2	52.7	09:55 PM - 10:00 PM	58.5	57.9	12:35 AM - 12:40 AM	68.0	67.2
07:20 PM - 07:25 PM	54.3	53.0	10:00 PM - 10:05 PM	59.4	58.5	12:40 AM - 12:45 AM	67.0	66.5
07:25 PM - 07:30 PM	56.0	52.6	10:05 PM - 10:10 PM	60.2	59.8	12:45 AM - 12:50 AM	66.8	66.3
07:30 PM - 07:35 PM	53.5	51.9	10:10 PM - 10:15 PM	61.5	60.6	12:50 AM - 12:55 AM	65.8	65.1
07:35 PM - 07:40 PM	54.8	51.9	10:15 PM - 10:20 PM	62.5	62.0	12:55 AM - 01:00 AM	65.4	64.6

Approved by



Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020703-1

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

Page 2 of 3

Sample Number : 2417320-2
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 01 - Jun 02, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 02, 2024			Jun 02, 2024			Jun 02, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
01:00 AM - 01:05 AM	63.7	62.9	03:40 AM - 03:45 AM	63.1	62.7	06:20 AM - 06:25 AM	56.7	54.1
01:05 AM - 01:10 AM	62.7	62.3	03:45 AM - 03:50 AM	63.0	62.6	06:25 AM - 06:30 AM	56.8	54.0
01:10 AM - 01:15 AM	63.8	62.5	03:50 AM - 03:55 AM	63.0	62.6	06:30 AM - 06:35 AM	58.5	54.5
01:15 AM - 01:20 AM	66.3	65.4	03:55 AM - 04:00 AM	62.7	62.2	06:35 AM - 06:40 AM	57.8	54.2
01:20 AM - 01:25 AM	64.8	64.3	04:00 AM - 04:05 AM	62.1	61.5	06:40 AM - 06:45 AM	57.3	55.1
01:25 AM - 01:30 AM	66.5	65.5	04:05 AM - 04:10 AM	61.4	60.8	06:45 AM - 06:50 AM	56.4	54.2
01:30 AM - 01:35 AM	65.5	65.1	04:10 AM - 04:15 AM	60.5	59.7	06:50 AM - 06:55 AM	57.2	55.2
01:35 AM - 01:40 AM	65.3	64.8	04:15 AM - 04:20 AM	60.0	59.3	06:55 AM - 07:00 AM	57.1	55.3
01:40 AM - 01:45 AM	65.3	64.9	04:20 AM - 04:25 AM	59.7	58.7	07:00 AM - 07:05 AM	57.0	55.6
01:45 AM - 01:50 AM	64.6	63.9	04:25 AM - 04:30 AM	59.0	58.3	07:05 AM - 07:10 AM	57.7	55.6
01:50 AM - 01:55 AM	64.1	63.6	04:30 AM - 04:35 AM	58.7	57.9	07:10 AM - 07:15 AM	58.9	56.5
01:55 AM - 02:00 AM	64.4	63.9	04:35 AM - 04:40 AM	58.3	57.5	07:15 AM - 07:20 AM	57.9	56.0
02:00 AM - 02:05 AM	64.9	64.6	04:40 AM - 04:45 AM	57.8	56.6	07:20 AM - 07:25 AM	58.8	55.3
02:05 AM - 02:10 AM	64.6	64.2	04:45 AM - 04:50 AM	57.5	56.3	07:25 AM - 07:30 AM	58.5	56.5
02:10 AM - 02:15 AM	63.7	63.7	04:50 AM - 04:55 AM	56.9	55.9	07:30 AM - 07:35 AM	58.2	55.2
02:15 AM - 02:20 AM	63.7	63.4	04:55 AM - 05:00 AM	57.4	56.0	07:35 AM - 07:40 AM	57.2	54.3
02:20 AM - 02:25 AM	63.3	62.8	05:00 AM - 05:05 AM	56.6	55.4	07:40 AM - 07:45 AM	59.5	54.8
02:25 AM - 02:30 AM	64.3	63.2	05:05 AM - 05:10 AM	56.6	55.2	07:45 AM - 07:50 AM	59.6	56.2
02:30 AM - 02:35 AM	65.4	65.1	05:10 AM - 05:15 AM	59.4	55.1	07:50 AM - 07:55 AM	58.2	55.0
02:35 AM - 02:40 AM	65.3	65.0	05:15 AM - 05:20 AM	56.3	54.7	07:55 AM - 08:00 AM	58.0	54.8
02:40 AM - 02:45 AM	65.0	64.6	05:20 AM - 05:25 AM	56.5	54.9	08:00 AM - 08:05 AM	56.3	53.0
02:45 AM - 02:50 AM	64.8	64.5	05:25 AM - 05:30 AM	57.2	55.5	08:05 AM - 08:10 AM	57.6	53.3
02:50 AM - 02:55 AM	65.5	65.1	05:30 AM - 05:35 AM	57.9	56.2	08:10 AM - 08:15 AM	56.1	53.4
02:55 AM - 03:00 AM	65.8	65.4	05:35 AM - 05:40 AM	59.9	57.9	08:15 AM - 08:20 AM	56.3	53.1
03:00 AM - 03:05 AM	65.7	65.3	05:40 AM - 05:45 AM	60.5	57.1	08:20 AM - 08:25 AM	54.3	52.4
03:05 AM - 03:10 AM	65.5	65.2	05:45 AM - 05:50 AM	57.5	55.8	08:25 AM - 08:30 AM	53.6	51.6
03:10 AM - 03:15 AM	64.8	64.4	05:50 AM - 05:55 AM	57.3	55.7	08:30 AM - 08:35 AM	55.6	53.0
03:15 AM - 03:20 AM	64.2	63.9	05:55 AM - 06:00 AM	56.5	54.2	08:35 AM - 08:40 AM	56.2	53.3
03:20 AM - 03:25 AM	64.9	64.4	06:00 AM - 06:05 AM	56.1	54.0	08:40 AM - 08:45 AM	55.3	52.7
03:25 AM - 03:30 AM	64.4	64.0	06:05 AM - 06:10 AM	56.0	54.5	08:45 AM - 08:50 AM	57.2	55.1
03:30 AM - 03:35 AM	63.7	63.2	06:10 AM - 06:15 AM	56.9	54.4	08:50 AM - 08:55 AM	56.8	54.3
03:35 AM - 03:40 AM	63.3	62.9	06:15 AM - 06:20 AM	55.5	54.2	08:55 AM - 09:00 AM	58.4	53.2

Approved by



Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received :Jun 10, 2024
Date Reported :Jun 12, 2024
Report Number : 3020703-1

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

Page 3 of 3

Sample Number 2417320-2
Parameter Noise Level (Leq 5 min)
Location ฐานวัดใกล้ถนน (GPS 47P 0735038, 1405843)
Measurement Date Jun 01 - Jun 02, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122578

Jun 02, 2024	Leq	L90	Jun 02, 2024	Leq	L90	Jun 02, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	56.0	51.9	11:40 AM - 11:45 AM	57.4	54.4	02:20 PM - 02:25 PM	54.8	52.3
09:05 AM - 09:10 AM	55.4	52.9	11:45 AM - 11:50 AM	61.4	55.6	02:25 PM - 02:30 PM	53.1	50.8
09:10 AM - 09:15 AM	54.7	52.3	11:50 AM - 11:55 AM	60.2	55.3	02:30 PM - 02:35 PM	54.1	51.6
09:15 AM - 09:20 AM	53.6	51.6	11:55 AM - 12:00 PM	57.6	53.8	02:35 PM - 02:40 PM	53.5	51.2
09:20 AM - 09:25 AM	54.5	52.2	12:00 PM - 12:05 PM	54.6	52.0	02:40 PM - 02:45 PM	54.3	52.2
09:25 AM - 09:30 AM	53.0	51.5	12:05 PM - 12:10 PM	53.9	51.3	02:45 PM - 02:50 PM	54.3	51.6
09:30 AM - 09:35 AM	53.0	51.1	12:10 PM - 12:15 PM	55.1	52.5	02:50 PM - 02:55 PM	54.2	51.2
09:35 AM - 09:40 AM	54.2	51.5	12:15 PM - 12:20 PM	53.9	51.9	02:55 PM - 03:00 PM	52.9	49.5
09:40 AM - 09:45 AM	53.5	51.2	12:20 PM - 12:25 PM	55.6	52.8	03:00 PM - 03:05 PM	53.0	50.6
09:45 AM - 09:50 AM	55.2	51.9	12:25 PM - 12:30 PM	55.5	52.0	03:05 PM - 03:10 PM	53.8	51.1
09:50 AM - 09:55 AM	53.3	51.5	12:30 PM - 12:35 PM	55.5	52.4	03:10 PM - 03:15 PM	52.3	50.5
09:55 AM - 10:00 AM	53.3	51.7	12:35 PM - 12:40 PM	55.4	52.6	03:15 PM - 03:20 PM	52.5	50.5
10:00 AM - 10:05 AM	54.0	52.1	12:40 PM - 12:45 PM	54.6	52.5	03:20 PM - 03:25 PM	53.8	51.8
10:05 AM - 10:10 AM	53.9	51.6	12:45 PM - 12:50 PM	55.6	52.4	03:25 PM - 03:30 PM	52.5	50.7
10:10 AM - 10:15 AM	54.0	52.0	12:50 PM - 12:55 PM	56.5	51.7	03:30 PM - 03:35 PM	53.2	50.9
10:15 AM - 10:20 AM	54.1	51.3	12:55 PM - 01:00 PM	56.3	53.2	03:35 PM - 03:40 PM	52.6	50.9
10:20 AM - 10:25 AM	53.5	51.8	01:00 PM - 01:05 PM	54.4	52.1	03:40 PM - 03:45 PM	54.1	51.4
10:25 AM - 10:30 AM	55.3	52.8	01:05 PM - 01:10 PM	53.3	51.6	03:45 PM - 03:50 PM	54.0	50.8
10:30 AM - 10:35 AM	54.1	51.8	01:10 PM - 01:15 PM	54.8	51.9	03:50 PM - 03:55 PM	53.5	50.7
10:35 AM - 10:40 AM	56.0	52.6	01:15 PM - 01:20 PM	56.0	52.4	03:55 PM - 04:00 PM	52.9	51.3
10:40 AM - 10:45 AM	55.0	52.7	01:20 PM - 01:25 PM	60.8	53.2	04:00 PM - 04:05 PM	54.6	51.5
10:45 AM - 10:50 AM	57.0	53.7	01:25 PM - 01:30 PM	55.8	53.1	04:05 PM - 04:10 PM	54.5	53.1
10:50 AM - 10:55 AM	56.5	52.3	01:30 PM - 01:35 PM	54.5	51.8	04:10 PM - 04:15 PM	54.0	51.9
10:55 AM - 11:00 AM	55.1	51.8	01:35 PM - 01:40 PM	56.0	53.2	04:15 PM - 04:20 PM	54.0	51.6
11:00 AM - 11:05 AM	54.2	52.1	01:40 PM - 01:45 PM	55.8	52.0	04:20 PM - 04:25 PM	53.1	50.7
11:05 AM - 11:10 AM	55.9	53.5	01:45 PM - 01:50 PM	55.0	51.9	04:25 PM - 04:30 PM	54.5	51.4
11:10 AM - 11:15 AM	54.9	51.9	01:50 PM - 01:55 PM	56.2	52.2	04:30 PM - 04:35 PM	56.4	52.9
11:15 AM - 11:20 AM	57.0	53.7	01:55 PM - 02:00 PM	53.9	52.0	04:35 PM - 04:40 PM	56.6	52.6
11:20 AM - 11:25 AM	54.7	52.4	02:00 PM - 02:05 PM	55.2	52.7	04:40 PM - 04:45 PM	55.9	53.0
11:25 AM - 11:30 AM	55.8	52.9	02:05 PM - 02:10 PM	56.4	53.6	04:45 PM - 04:50 PM	55.8	53.1
11:30 AM - 11:35 AM	55.2	52.1	02:10 PM - 02:15 PM	54.9	51.6	04:50 PM - 04:55 PM	56.0	52.5
11:35 AM - 11:40 AM	56.4	53.1	02:15 PM - 02:20 PM	53.9	51.1	04:55 PM - 05:00 PM	56.0	52.1

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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: 2417320
Date Received :Jun 10, 2024
Date Reported :Jun 12, 2024
Report Number : 3020704-1

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

Page 1 of 3

Sample Number 2417320-3
Parameter Noise Level (Leq 5 min)
Location ฐานวัดใกล้ถนน (GPS 47P 0735038, 1405843)
Measurement Date Jun 02 - Jun 03, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122578

Jun 02, 2024	Leq	L90	Jun 02, 2024	Leq	L90	Jun 02 - Jun 03, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	53.8	51.2	07:40 PM - 07:45 PM	53.4	51.1	10:20 PM - 10:25 PM	54.3	50.9
05:05 PM - 05:10 PM	57.0	52.3	07:45 PM - 07:50 PM	54.9	51.1	10:25 PM - 10:30 PM	53.5	50.5
05:10 PM - 05:15 PM	56.6	53.6	07:50 PM - 07:55 PM	53.9	51.2	10:30 PM - 10:35 PM	54.2	50.4
05:15 PM - 05:20 PM	58.6	54.3	07:55 PM - 08:00 PM	53.0	51.2	10:35 PM - 10:40 PM	52.2	50.4
05:20 PM - 05:25 PM	55.9	53.0	08:00 PM - 08:05 PM	53.1	51.0	10:40 PM - 10:45 PM	60.8	51.9
05:25 PM - 05:30 PM	58.0	52.9	08:05 PM - 08:10 PM	53.5	50.9	10:45 PM - 10:50 PM	55.4	51.4
05:30 PM - 05:35 PM	55.7	51.8	08:10 PM - 08:15 PM	54.0	52.1	10:50 PM - 10:55 PM	53.7	50.6
05:35 PM - 05:40 PM	59.3	53.3	08:15 PM - 08:20 PM	53.9	51.5	10:55 PM - 11:00 PM	54.3	51.1
05:40 PM - 05:45 PM	56.2	52.4	08:20 PM - 08:25 PM	53.5	51.1	11:00 PM - 11:05 PM	52.1	50.9
05:45 PM - 05:50 PM	59.4	52.6	08:25 PM - 08:30 PM	55.0	52.0	11:05 PM - 11:10 PM	53.0	50.8
05:50 PM - 05:55 PM	61.9	53.3	08:30 PM - 08:35 PM	54.6	50.9	11:10 PM - 11:15 PM	53.5	51.3
05:55 PM - 06:00 PM	57.0	52.3	08:35 PM - 08:40 PM	53.1	51.1	11:15 PM - 11:20 PM	54.1	51.9
06:00 PM - 06:05 PM	56.4	52.5	08:40 PM - 08:45 PM	51.4	50.0	11:20 PM - 11:25 PM	54.7	52.0
06:05 PM - 06:10 PM	56.6	52.8	08:45 PM - 08:50 PM	53.9	50.2	11:25 PM - 11:30 PM	53.6	52.0
06:10 PM - 06:15 PM	55.1	53.1	08:50 PM - 08:55 PM	52.7	51.0	11:30 PM - 11:35 PM	53.6	50.8
06:15 PM - 06:20 PM	54.5	52.3	08:55 PM - 09:00 PM	51.4	50.4	11:35 PM - 11:40 PM	52.7	51.3
06:20 PM - 06:25 PM	54.1	51.9	09:00 PM - 09:05 PM	54.1	50.9	11:40 PM - 11:45 PM	52.8	51.2
06:25 PM - 06:30 PM	57.0	52.2	09:05 PM - 09:10 PM	54.2	50.8	11:45 PM - 11:50 PM	54.3	51.7
06:30 PM - 06:35 PM	53.8	52.1	09:10 PM - 09:15 PM	52.8	50.9	11:50 PM - 11:55 PM	54.1	51.5
06:35 PM - 06:40 PM	55.3	52.2	09:15 PM - 09:20 PM	51.9	50.2	11:55 PM - 12:00 AM	54.0	51.7
06:40 PM - 06:45 PM	60.7	54.6	09:20 PM - 09:25 PM	54.2	50.4	12:00 AM - 12:05 AM	55.4	52.6
06:45 PM - 06:50 PM	61.6	59.8	09:25 PM - 09:30 PM	52.2	49.9	12:05 AM - 12:10 AM	54.8	52.0
06:50 PM - 06:55 PM	59.2	57.2	09:30 PM - 09:35 PM	52.3	49.6	12:10 AM - 12:15 AM	53.1	51.5
06:55 PM - 07:00 PM	56.2	51.8	09:35 PM - 09:40 PM	53.5	50.8	12:15 AM - 12:20 AM	55.4	51.9
07:00 PM - 07:05 PM	53.2	51.4	09:40 PM - 09:45 PM	54.2	50.8	12:20 AM - 12:25 AM	54.6	51.9
07:05 PM - 07:10 PM	53.0	51.2	09:45 PM - 09:50 PM	59.4	50.3	12:25 AM - 12:30 AM	54.5	52.5
07:10 PM - 07:15 PM	53.7	51.7	09:50 PM - 09:55 PM	53.6	50.3	12:30 AM - 12:35 AM	55.5	52.2
07:15 PM - 07:20 PM	53.8	51.8	09:55 PM - 10:00 PM	53.0	51.2	12:35 AM - 12:40 AM	54.2	52.1
07:20 PM - 07:25 PM	56.4	51.8	10:00 PM - 10:05 PM	52.9	49.8	12:40 AM - 12:45 AM	55.7	51.6
07:25 PM - 07:30 PM	53.1	50.9	10:05 PM - 10:10 PM	52.4	50.2	12:45 AM - 12:50 AM	54.6	52.0
07:30 PM - 07:35 PM	52.7	51.1	10:10 PM - 10:15 PM	55.2	50.6	12:50 AM - 12:55 AM	54.8	52.2
07:35 PM - 07:40 PM	53.2	51.0	10:15 PM - 10:20 PM	52.7	50.4	12:55 AM - 01:00 AM	54.7	52.0

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020704-1

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

Page 2 of 3

Sample Number : 2417320-3
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 02 - Jun 03, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 03, 2024	Leq	L90	Jun 03, 2024	Leq	L90	Jun 03, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	53.9	52.4	03:40 AM - 03:45 AM	49.7	48.8	06:20 AM - 06:25 AM	52.3	50.6
01:05 AM - 01:10 AM	53.5	52.3	03:45 AM - 03:50 AM	49.4	48.7	06:25 AM - 06:30 AM	53.7	51.0
01:10 AM - 01:15 AM	53.8	52.1	03:50 AM - 03:55 AM	50.7	49.3	06:30 AM - 06:35 AM	53.5	51.4
01:15 AM - 01:20 AM	54.9	52.6	03:55 AM - 04:00 AM	56.0	49.0	06:35 AM - 06:40 AM	56.4	51.5
01:20 AM - 01:25 AM	53.7	52.1	04:00 AM - 04:05 AM	50.3	48.9	06:40 AM - 06:45 AM	54.0	51.6
01:25 AM - 01:30 AM	53.6	52.2	04:05 AM - 04:10 AM	50.0	49.3	06:45 AM - 06:50 AM	53.6	51.6
01:30 AM - 01:35 AM	54.4	52.3	04:10 AM - 04:15 AM	50.2	49.2	06:50 AM - 06:55 AM	54.2	51.5
01:35 AM - 01:40 AM	55.2	53.1	04:15 AM - 04:20 AM	50.0	49.1	06:55 AM - 07:00 AM	54.8	51.5
01:40 AM - 01:45 AM	55.0	52.4	04:20 AM - 04:25 AM	50.4	49.2	07:00 AM - 07:05 AM	56.3	51.8
01:45 AM - 01:50 AM	55.1	51.8	04:25 AM - 04:30 AM	50.6	49.2	07:05 AM - 07:10 AM	54.7	52.0
01:50 AM - 01:55 AM	53.0	51.5	04:30 AM - 04:35 AM	50.0	49.3	07:10 AM - 07:15 AM	57.2	51.5
01:55 AM - 02:00 AM	53.9	52.0	04:35 AM - 04:40 AM	50.4	48.7	07:15 AM - 07:20 AM	61.0	51.1
02:00 AM - 02:05 AM	53.7	51.7	04:40 AM - 04:45 AM	50.7	48.7	07:20 AM - 07:25 AM	58.8	51.6
02:05 AM - 02:10 AM	52.2	50.8	04:45 AM - 04:50 AM	49.8	49.2	07:25 AM - 07:30 AM	57.8	52.0
02:10 AM - 02:15 AM	53.9	51.1	04:50 AM - 04:55 AM	50.0	49.0	07:30 AM - 07:35 AM	53.9	51.1
02:15 AM - 02:20 AM	53.2	51.5	04:55 AM - 05:00 AM	49.8	49.1	07:35 AM - 07:40 AM	55.1	51.9
02:20 AM - 02:25 AM	54.5	52.6	05:00 AM - 05:05 AM	50.1	49.2	07:40 AM - 07:45 AM	55.4	52.5
02:25 AM - 02:30 AM	52.7	51.1	05:05 AM - 05:10 AM	50.3	49.3	07:45 AM - 07:50 AM	55.1	52.2
02:30 AM - 02:35 AM	51.5	50.2	05:10 AM - 05:15 AM	51.4	48.7	07:50 AM - 07:55 AM	52.1	50.6
02:35 AM - 02:40 AM	51.1	49.8	05:15 AM - 05:20 AM	51.0	48.7	07:55 AM - 08:00 AM	53.4	51.2
02:40 AM - 02:45 AM	50.9	49.5	05:20 AM - 05:25 AM	54.5	49.5	08:00 AM - 08:05 AM	53.4	51.2
02:45 AM - 02:50 AM	51.4	49.8	05:25 AM - 05:30 AM	59.5	57.1	08:05 AM - 08:10 AM	54.1	51.6
02:50 AM - 02:55 AM	51.8	50.1	05:30 AM - 05:35 AM	53.7	51.5	08:10 AM - 08:15 AM	55.4	51.3
02:55 AM - 03:00 AM	51.5	49.3	05:35 AM - 05:40 AM	53.7	50.5	08:15 AM - 08:20 AM	55.1	50.8
03:00 AM - 03:05 AM	50.2	49.3	05:40 AM - 05:45 AM	51.6	49.9	08:20 AM - 08:25 AM	53.4	51.3
03:05 AM - 03:10 AM	53.5	49.0	05:45 AM - 05:50 AM	51.2	50.1	08:25 AM - 08:30 AM	53.7	51.3
03:10 AM - 03:15 AM	51.8	49.5	05:50 AM - 05:55 AM	54.9	50.3	08:30 AM - 08:35 AM	54.5	52.2
03:15 AM - 03:20 AM	51.8	49.2	05:55 AM - 06:00 AM	54.5	50.5	08:35 AM - 08:40 AM	53.6	51.2
03:20 AM - 03:25 AM	50.7	48.5	06:00 AM - 06:05 AM	53.7	51.2	08:40 AM - 08:45 AM	53.3	50.7
03:25 AM - 03:30 AM	49.7	48.9	06:05 AM - 06:10 AM	55.2	50.6	08:45 AM - 08:50 AM	54.8	51.4
03:30 AM - 03:35 AM	50.6	49.2	06:10 AM - 06:15 AM	55.3	51.2	08:50 AM - 08:55 AM	54.0	51.7
03:35 AM - 03:40 AM	50.9	48.9	06:15 AM - 06:20 AM	53.3	51.3	08:55 AM - 09:00 AM	55.1	51.6

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020704-1

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

Page 3 of 3

Sample Number : 2417320-3
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 02 - Jun 03, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 03, 2024	Leq	L90	Jun 03, 2024	Leq	L90	Jun 03, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	57.7	52.4	11:40 AM - 11:45 AM	51.8	50.1	02:20 PM - 02:25 PM	53.6	49.5
09:05 AM - 09:10 AM	56.8	51.6	11:45 AM - 11:50 AM	54.8	51.6	02:25 PM - 02:30 PM	53.8	49.5
09:10 AM - 09:15 AM	56.4	52.9	11:50 AM - 11:55 AM	59.6	51.3	02:30 PM - 02:35 PM	53.9	50.0
09:15 AM - 09:20 AM	53.9	52.0	11:55 AM - 12:00 PM	52.3	50.4	02:35 PM - 02:40 PM	56.9	49.6
09:20 AM - 09:25 AM	53.4	51.5	12:00 PM - 12:05 PM	55.1	51.8	02:40 PM - 02:45 PM	53.1	49.3
09:25 AM - 09:30 AM	54.3	52.0	12:05 PM - 12:10 PM	54.5	50.8	02:45 PM - 02:50 PM	54.1	49.8
09:30 AM - 09:35 AM	55.6	52.8	12:10 PM - 12:15 PM	52.9	50.9	02:50 PM - 02:55 PM	55.7	49.5
09:35 AM - 09:40 AM	54.0	52.0	12:15 PM - 12:20 PM	53.9	51.3	02:55 PM - 03:00 PM	57.3	50.2
09:40 AM - 09:45 AM	54.3	52.2	12:20 PM - 12:25 PM	51.6	49.7	03:00 PM - 03:05 PM	52.7	49.2
09:45 AM - 09:50 AM	55.4	51.8	12:25 PM - 12:30 PM	52.4	50.1	03:05 PM - 03:10 PM	59.2	49.3
09:50 AM - 09:55 AM	54.8	51.3	12:30 PM - 12:35 PM	52.0	49.9	03:10 PM - 03:15 PM	53.1	49.7
09:55 AM - 10:00 AM	55.6	52.0	12:35 PM - 12:40 PM	54.4	50.6	03:15 PM - 03:20 PM	52.5	49.7
10:00 AM - 10:05 AM	55.5	51.1	12:40 PM - 12:45 PM	52.3	50.1	03:20 PM - 03:25 PM	52.2	49.4
10:05 AM - 10:10 AM	55.3	50.4	12:45 PM - 12:50 PM	52.5	50.5	03:25 PM - 03:30 PM	50.9	48.6
10:10 AM - 10:15 AM	55.9	51.1	12:50 PM - 12:55 PM	52.9	50.8	03:30 PM - 03:35 PM	51.6	49.2
10:15 AM - 10:20 AM	53.9	50.8	12:55 PM - 01:00 PM	59.0	50.8	03:35 PM - 03:40 PM	51.1	49.0
10:20 AM - 10:25 AM	54.9	51.1	01:00 PM - 01:05 PM	55.7	50.9	03:40 PM - 03:45 PM	53.3	49.6
10:25 AM - 10:30 AM	54.4	51.6	01:05 PM - 01:10 PM	56.2	51.1	03:45 PM - 03:50 PM	56.5	49.1
10:30 AM - 10:35 AM	54.1	51.4	01:10 PM - 01:15 PM	58.7	50.4	03:50 PM - 03:55 PM	51.8	49.6
10:35 AM - 10:40 AM	54.2	51.3	01:15 PM - 01:20 PM	56.8	52.0	03:55 PM - 04:00 PM	51.9	49.6
10:40 AM - 10:45 AM	54.1	50.7	01:20 PM - 01:25 PM	59.4	50.6	04:00 PM - 04:05 PM	51.7	49.4
10:45 AM - 10:50 AM	54.4	51.0	01:25 PM - 01:30 PM	51.1	48.2	04:05 PM - 04:10 PM	51.7	49.5
10:50 AM - 10:55 AM	54.1	51.4	01:30 PM - 01:35 PM	50.5	47.8	04:10 PM - 04:15 PM	53.3	50.8
10:55 AM - 11:00 AM	54.2	51.6	01:35 PM - 01:40 PM	51.2	48.8	04:15 PM - 04:20 PM	53.0	49.9
11:00 AM - 11:05 AM	54.4	51.4	01:40 PM - 01:45 PM	51.8	48.4	04:20 PM - 04:25 PM	54.5	50.3
11:05 AM - 11:10 AM	53.4	50.8	01:45 PM - 01:50 PM	50.6	48.5	04:25 PM - 04:30 PM	57.6	50.8
11:10 AM - 11:15 AM	55.2	51.3	01:50 PM - 01:55 PM	50.6	47.7	04:30 PM - 04:35 PM	54.4	50.6
11:15 AM - 11:20 AM	60.7	51.5	01:55 PM - 02:00 PM	52.9	49.2	04:35 PM - 04:40 PM	53.1	50.6
11:20 AM - 11:25 AM	52.4	50.5	02:00 PM - 02:05 PM	51.5	49.8	04:40 PM - 04:45 PM	53.9	51.1
11:25 AM - 11:30 AM	53.2	51.0	02:05 PM - 02:10 PM	53.0	49.7	04:45 PM - 04:50 PM	53.5	49.9
11:30 AM - 11:35 AM	52.7	50.4	02:10 PM - 02:15 PM	51.6	49.6	04:50 PM - 04:55 PM	54.0	50.6
11:35 AM - 11:40 AM	52.9	50.3	02:15 PM - 02:20 PM	52.9	50.2	04:55 PM - 05:00 PM	52.3	50.2

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020705-1

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

Page 1 of 3

Sample Number : 2417320-4
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 03 - Jun 04, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 03, 2024			Jun 03, 2024			Jun 03 - Jun 04, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	53.1	51.2	07:40 PM - 07:45 PM	52.2	49.7	10:20 PM - 10:25 PM	50.8	48.6
05:05 PM - 05:10 PM	55.9	51.5	07:45 PM - 07:50 PM	52.1	49.7	10:25 PM - 10:30 PM	51.9	48.1
05:10 PM - 05:15 PM	53.4	50.4	07:50 PM - 07:55 PM	51.9	49.3	10:30 PM - 10:35 PM	50.4	48.4
05:15 PM - 05:20 PM	58.6	51.6	07:55 PM - 08:00 PM	51.7	49.9	10:35 PM - 10:40 PM	50.6	48.8
05:20 PM - 05:25 PM	54.8	50.7	08:00 PM - 08:05 PM	51.6	49.6	10:40 PM - 10:45 PM	50.0	48.9
05:25 PM - 05:30 PM	58.3	50.4	08:05 PM - 08:10 PM	52.5	49.9	10:45 PM - 10:50 PM	50.7	48.9
05:30 PM - 05:35 PM	55.1	50.2	08:10 PM - 08:15 PM	54.2	49.9	10:50 PM - 10:55 PM	50.8	48.4
05:35 PM - 05:40 PM	55.3	51.0	08:15 PM - 08:20 PM	52.6	50.4	10:55 PM - 11:00 PM	51.5	49.8
05:40 PM - 05:45 PM	55.0	51.5	08:20 PM - 08:25 PM	54.5	50.4	11:00 PM - 11:05 PM	50.5	49.2
05:45 PM - 05:50 PM	58.3	50.9	08:25 PM - 08:30 PM	52.6	48.8	11:05 PM - 11:10 PM	50.6	49.3
05:50 PM - 05:55 PM	53.0	51.2	08:30 PM - 08:35 PM	53.2	49.3	11:10 PM - 11:15 PM	50.6	49.4
05:55 PM - 06:00 PM	52.8	50.3	08:35 PM - 08:40 PM	52.9	49.1	11:15 PM - 11:20 PM	51.2	49.9
06:00 PM - 06:05 PM	52.6	50.5	08:40 PM - 08:45 PM	50.6	49.2	11:20 PM - 11:25 PM	52.0	50.3
06:05 PM - 06:10 PM	55.6	51.0	08:45 PM - 08:50 PM	50.7	49.2	11:25 PM - 11:30 PM	51.1	49.8
06:10 PM - 06:15 PM	52.7	49.4	08:50 PM - 08:55 PM	52.4	48.9	11:30 PM - 11:35 PM	51.8	50.3
06:15 PM - 06:20 PM	52.3	49.9	08:55 PM - 09:00 PM	49.9	49.1	11:35 PM - 11:40 PM	53.2	51.2
06:20 PM - 06:25 PM	52.1	50.1	09:00 PM - 09:05 PM	50.1	48.5	11:40 PM - 11:45 PM	52.9	51.5
06:25 PM - 06:30 PM	53.5	50.8	09:05 PM - 09:10 PM	50.8	49.0	11:45 PM - 11:50 PM	52.9	51.8
06:30 PM - 06:35 PM	52.9	50.2	09:10 PM - 09:15 PM	50.8	49.2	11:50 PM - 11:55 PM	52.2	50.9
06:35 PM - 06:40 PM	52.9	49.4	09:15 PM - 09:20 PM	50.8	48.7	11:55 PM - 12:00 AM	52.2	50.7
06:40 PM - 06:45 PM	52.8	50.9	09:20 PM - 09:25 PM	49.9	48.5	12:00 AM - 12:05 AM	51.4	50.1
06:45 PM - 06:50 PM	55.4	52.9	09:25 PM - 09:30 PM	50.1	48.6	12:05 AM - 12:10 AM	52.7	51.0
06:50 PM - 06:55 PM	54.7	52.3	09:30 PM - 09:35 PM	50.1	48.7	12:10 AM - 12:15 AM	53.4	51.5
06:55 PM - 07:00 PM	53.1	51.3	09:35 PM - 09:40 PM	51.7	49.4	12:15 AM - 12:20 AM	54.1	52.2
07:00 PM - 07:05 PM	60.8	50.7	09:40 PM - 09:45 PM	53.1	48.9	12:20 AM - 12:25 AM	51.8	50.4
07:05 PM - 07:10 PM	52.7	50.0	09:45 PM - 09:50 PM	53.4	49.2	12:25 AM - 12:30 AM	54.8	51.4
07:10 PM - 07:15 PM	55.6	51.3	09:50 PM - 09:55 PM	50.5	48.8	12:30 AM - 12:35 AM	54.6	51.6
07:15 PM - 07:20 PM	51.8	50.2	09:55 PM - 10:00 PM	53.1	48.9	12:35 AM - 12:40 AM	52.8	50.7
07:20 PM - 07:25 PM	52.6	50.2	10:00 PM - 10:05 PM	50.0	48.8	12:40 AM - 12:45 AM	52.3	50.0
07:25 PM - 07:30 PM	53.3	50.4	10:05 PM - 10:10 PM	52.7	48.8	12:45 AM - 12:50 AM	53.2	51.6
07:30 PM - 07:35 PM	52.7	50.5	10:10 PM - 10:15 PM	50.0	48.6	12:50 AM - 12:55 AM	53.1	51.9
07:35 PM - 07:40 PM	52.9	50.1	10:15 PM - 10:20 PM	50.0	47.8	12:55 AM - 01:00 AM	53.2	51.2

Approved by



Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020705-1

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

Page 2 of 3

Sample Number : 2417320-4
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 03 - Jun 04, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 04, 2024			Jun 04, 2024			Jun 04, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
01:00 AM - 01:05 AM	51.8	50.3	03:40 AM - 03:45 AM	50.9	48.3	06:20 AM - 06:25 AM	56.2	52.1
01:05 AM - 01:10 AM	51.0	49.3	03:45 AM - 03:50 AM	50.6	49.1	06:25 AM - 06:30 AM	54.7	50.6
01:10 AM - 01:15 AM	51.6	49.8	03:50 AM - 03:55 AM	52.6	50.0	06:30 AM - 06:35 AM	53.4	51.2
01:15 AM - 01:20 AM	52.6	49.2	03:55 AM - 04:00 AM	52.0	50.5	06:35 AM - 06:40 AM	58.9	52.5
01:20 AM - 01:25 AM	51.9	50.2	04:00 AM - 04:05 AM	55.3	49.5	06:40 AM - 06:45 AM	56.6	52.4
01:25 AM - 01:30 AM	50.1	48.2	04:05 AM - 04:10 AM	52.2	49.0	06:45 AM - 06:50 AM	55.3	52.1
01:30 AM - 01:35 AM	49.3	48.2	04:10 AM - 04:15 AM	52.0	49.0	06:50 AM - 06:55 AM	54.7	51.9
01:35 AM - 01:40 AM	50.4	48.4	04:15 AM - 04:20 AM	51.7	50.3	06:55 AM - 07:00 AM	56.8	51.6
01:40 AM - 01:45 AM	49.5	47.7	04:20 AM - 04:25 AM	51.4	49.5	07:00 AM - 07:05 AM	55.0	51.6
01:45 AM - 01:50 AM	51.4	48.4	04:25 AM - 04:30 AM	51.4	49.9	07:05 AM - 07:10 AM	54.5	52.0
01:50 AM - 01:55 AM	51.7	49.8	04:30 AM - 04:35 AM	51.4	49.6	07:10 AM - 07:15 AM	53.3	51.9
01:55 AM - 02:00 AM	51.3	49.9	04:35 AM - 04:40 AM	52.1	50.5	07:15 AM - 07:20 AM	56.0	52.6
02:00 AM - 02:05 AM	51.6	49.6	04:40 AM - 04:45 AM	51.7	50.0	07:20 AM - 07:25 AM	53.5	51.7
02:05 AM - 02:10 AM	53.2	50.5	04:45 AM - 04:50 AM	53.1	51.2	07:25 AM - 07:30 AM	54.2	51.6
02:10 AM - 02:15 AM	51.5	49.1	04:50 AM - 04:55 AM	51.6	49.1	07:30 AM - 07:35 AM	53.8	52.1
02:15 AM - 02:20 AM	51.5	49.7	04:55 AM - 05:00 AM	50.5	48.1	07:35 AM - 07:40 AM	56.9	52.2
02:20 AM - 02:25 AM	51.5	49.7	05:00 AM - 05:05 AM	51.2	49.3	07:40 AM - 07:45 AM	54.7	51.2
02:25 AM - 02:30 AM	52.2	50.5	05:05 AM - 05:10 AM	51.3	48.3	07:45 AM - 07:50 AM	56.2	53.2
02:30 AM - 02:35 AM	52.6	50.0	05:10 AM - 05:15 AM	53.7	51.0	07:50 AM - 07:55 AM	55.1	51.7
02:35 AM - 02:40 AM	51.9	50.0	05:15 AM - 05:20 AM	53.3	51.5	07:55 AM - 08:00 AM	53.7	51.7
02:40 AM - 02:45 AM	51.5	50.2	05:20 AM - 05:25 AM	54.2	52.0	08:00 AM - 08:05 AM	53.2	50.8
02:45 AM - 02:50 AM	53.2	51.2	05:25 AM - 05:30 AM	56.8	53.8	08:05 AM - 08:10 AM	53.5	51.1
02:50 AM - 02:55 AM	52.1	50.3	05:30 AM - 05:35 AM	58.8	53.3	08:10 AM - 08:15 AM	53.5	51.9
02:55 AM - 03:00 AM	51.3	49.7	05:35 AM - 05:40 AM	54.9	51.8	08:15 AM - 08:20 AM	53.7	51.3
03:00 AM - 03:05 AM	50.8	48.4	05:40 AM - 05:45 AM	53.3	51.0	08:20 AM - 08:25 AM	52.6	50.6
03:05 AM - 03:10 AM	51.4	50.1	05:45 AM - 05:50 AM	52.6	50.1	08:25 AM - 08:30 AM	52.7	51.2
03:10 AM - 03:15 AM	50.4	49.2	05:50 AM - 05:55 AM	51.6	49.7	08:30 AM - 08:35 AM	52.8	50.8
03:15 AM - 03:20 AM	51.0	49.8	05:55 AM - 06:00 AM	51.9	49.9	08:35 AM - 08:40 AM	52.8	50.7
03:20 AM - 03:25 AM	50.8	48.6	06:00 AM - 06:05 AM	57.4	50.8	08:40 AM - 08:45 AM	52.6	49.6
03:25 AM - 03:30 AM	50.7	49.6	06:05 AM - 06:10 AM	53.0	51.2	08:45 AM - 08:50 AM	52.5	50.6
03:30 AM - 03:35 AM	50.4	48.9	06:10 AM - 06:15 AM	53.5	51.7	08:50 AM - 08:55 AM	53.8	50.4
03:35 AM - 03:40 AM	51.0	49.8	06:15 AM - 06:20 AM	53.7	51.5	08:55 AM - 09:00 AM	53.8	50.4

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: 2417320

Date Received :Jun 10, 2024

Date Reported :Jun 12, 2024

Report Number : 3020705-1

Page 3 of 3

Sample Number 2417320-4
Parameter Noise Level (Leq 5 min)
Location ฐานวัดใกล้ถนน (GPS 47P 0735038, 1405843)
Measurement Date Jun 03 - Jun 04, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122578

Jun 04, 2024	Leq	L90	Jun 04, 2024	Leq	L90	Jun 04, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	54.6	50.6	11:40 AM - 11:45 AM	55.6	51.1	02:20 PM - 02:25 PM	52.0	50.1
09:05 AM - 09:10 AM	52.7	51.0	11:45 AM - 11:50 AM	57.4	55.8	02:25 PM - 02:30 PM	52.2	49.6
09:10 AM - 09:15 AM	54.0	50.8	11:50 AM - 11:55 AM	57.8	54.8	02:30 PM - 02:35 PM	51.8	49.1
09:15 AM - 09:20 AM	54.9	52.1	11:55 AM - 12:00 PM	61.3	53.4	02:35 PM - 02:40 PM	51.2	49.1
09:20 AM - 09:25 AM	55.6	52.6	12:00 PM - 12:05 PM	59.2	56.0	02:40 PM - 02:45 PM	54.0	50.7
09:25 AM - 09:30 AM	56.5	51.7	12:05 PM - 12:10 PM	58.6	52.7	02:45 PM - 02:50 PM	52.2	50.0
09:30 AM - 09:35 AM	56.3	52.4	12:10 PM - 12:15 PM	54.8	51.5	02:50 PM - 02:55 PM	58.8	48.6
09:35 AM - 09:40 AM	54.0	52.2	12:15 PM - 12:20 PM	54.1	50.8	02:55 PM - 03:00 PM	52.9	50.2
09:40 AM - 09:45 AM	56.7	51.9	12:20 PM - 12:25 PM	57.6	50.5	03:00 PM - 03:05 PM	53.5	50.4
09:45 AM - 09:50 AM	54.5	50.7	12:25 PM - 12:30 PM	57.9	49.9	03:05 PM - 03:10 PM	55.3	52.1
09:50 AM - 09:55 AM	52.1	50.2	12:30 PM - 12:35 PM	55.6	49.9	03:10 PM - 03:15 PM	52.9	50.7
09:55 AM - 10:00 AM	52.1	50.4	12:35 PM - 12:40 PM	52.0	49.7	03:15 PM - 03:20 PM	52.9	50.3
10:00 AM - 10:05 AM	53.5	51.4	12:40 PM - 12:45 PM	51.5	49.6	03:20 PM - 03:25 PM	53.7	51.2
10:05 AM - 10:10 AM	56.5	51.2	12:45 PM - 12:50 PM	55.9	49.1	03:25 PM - 03:30 PM	52.9	50.8
10:10 AM - 10:15 AM	56.5	50.9	12:50 PM - 12:55 PM	52.0	49.4	03:30 PM - 03:35 PM	53.6	51.3
10:15 AM - 10:20 AM	58.3	50.7	12:55 PM - 01:00 PM	53.8	50.5	03:35 PM - 03:40 PM	52.6	50.2
10:20 AM - 10:25 AM	57.6	50.6	01:00 PM - 01:05 PM	54.7	53.1	03:40 PM - 03:45 PM	52.2	49.7
10:25 AM - 10:30 AM	52.6	50.5	01:05 PM - 01:10 PM	55.3	53.3	03:45 PM - 03:50 PM	52.7	50.4
10:30 AM - 10:35 AM	52.6	50.7	01:10 PM - 01:15 PM	55.7	53.0	03:50 PM - 03:55 PM	52.8	50.0
10:35 AM - 10:40 AM	60.0	51.6	01:15 PM - 01:20 PM	53.6	51.1	03:55 PM - 04:00 PM	51.5	49.6
10:40 AM - 10:45 AM	56.1	50.4	01:20 PM - 01:25 PM	51.6	48.9	04:00 PM - 04:05 PM	54.1	50.6
10:45 AM - 10:50 AM	52.7	49.7	01:25 PM - 01:30 PM	51.8	49.1	04:05 PM - 04:10 PM	53.4	50.1
10:50 AM - 10:55 AM	51.5	49.7	01:30 PM - 01:35 PM	52.2	49.2	04:10 PM - 04:15 PM	54.9	50.9
10:55 AM - 11:00 AM	53.5	50.0	01:35 PM - 01:40 PM	51.1	48.9	04:15 PM - 04:20 PM	55.2	51.2
11:00 AM - 11:05 AM	55.6	50.1	01:40 PM - 01:45 PM	51.3	49.8	04:20 PM - 04:25 PM	56.4	50.2
11:05 AM - 11:10 AM	58.7	50.4	01:45 PM - 01:50 PM	52.9	49.8	04:25 PM - 04:30 PM	59.8	51.7
11:10 AM - 11:15 AM	57.0	50.1	01:50 PM - 01:55 PM	50.7	48.7	04:30 PM - 04:35 PM	57.5	52.7
11:15 AM - 11:20 AM	56.0	50.0	01:55 PM - 02:00 PM	50.6	48.7	04:35 PM - 04:40 PM	53.9	51.6
11:20 AM - 11:25 AM	51.7	49.9	02:00 PM - 02:05 PM	52.2	50.0	04:40 PM - 04:45 PM	54.3	51.8
11:25 AM - 11:30 AM	54.3	50.3	02:05 PM - 02:10 PM	52.4	50.1	04:45 PM - 04:50 PM	54.6	52.0
11:30 AM - 11:35 AM	55.8	50.6	02:10 PM - 02:15 PM	50.8	49.2	04:50 PM - 04:55 PM	55.2	51.6
11:35 AM - 11:40 AM	52.9	50.7	02:15 PM - 02:20 PM	52.8	50.3	04:55 PM - 05:00 PM	53.0	51.3

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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: 2417320

Date Received :Jun 10, 2024

Date Reported :Jun 12, 2024

Report Number : 3020706-1

Page 1 of 3

Sample Number 2417320-5
Parameter Noise Level (Leq 5 min)
Location ฐานวัดใกล้ถนน (GPS 47P 0735038, 1405843)
Measurement Date Jun 04 - Jun 05, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122578

Jun 04, 2024	Leq	L90	Jun 04, 2024	Leq	L90	Jun 04 - Jun 05, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	54.0	51.4	07:40 PM - 07:45 PM	55.8	48.8	10:20 PM - 10:25 PM	50.6	47.7
05:05 PM - 05:10 PM	56.6	51.6	07:45 PM - 07:50 PM	50.5	48.2	10:25 PM - 10:30 PM	50.7	47.8
05:10 PM - 05:15 PM	55.0	52.0	07:50 PM - 07:55 PM	51.2	47.8	10:30 PM - 10:35 PM	51.0	48.4
05:15 PM - 05:20 PM	54.1	52.2	07:55 PM - 08:00 PM	52.1	49.2	10:35 PM - 10:40 PM	50.5	48.3
05:20 PM - 05:25 PM	53.3	51.0	08:00 PM - 08:05 PM	51.6	49.4	10:40 PM - 10:45 PM	50.1	48.3
05:25 PM - 05:30 PM	55.3	52.1	08:05 PM - 08:10 PM	52.3	49.8	10:45 PM - 10:50 PM	50.1	48.5
05:30 PM - 05:35 PM	54.1	52.3	08:10 PM - 08:15 PM	51.7	49.4	10:50 PM - 10:55 PM	50.7	48.2
05:35 PM - 05:40 PM	54.8	51.7	08:15 PM - 08:20 PM	52.4	49.5	10:55 PM - 11:00 PM	49.4	47.8
05:40 PM - 05:45 PM	53.5	51.6	08:20 PM - 08:25 PM	51.4	48.6	11:00 PM - 11:05 PM	51.3	47.8
05:45 PM - 05:50 PM	54.9	51.4	08:25 PM - 08:30 PM	50.6	48.8	11:05 PM - 11:10 PM	52.8	48.5
05:50 PM - 05:55 PM	53.8	51.2	08:30 PM - 08:35 PM	50.0	48.4	11:10 PM - 11:15 PM	49.7	48.1
05:55 PM - 06:00 PM	56.1	51.4	08:35 PM - 08:40 PM	52.7	49.6	11:15 PM - 11:20 PM	50.6	47.9
06:00 PM - 06:05 PM	57.8	51.7	08:40 PM - 08:45 PM	51.3	48.9	11:20 PM - 11:25 PM	49.9	47.8
06:05 PM - 06:10 PM	60.9	52.5	08:45 PM - 08:50 PM	50.8	48.5	11:25 PM - 11:30 PM	50.6	48.2
06:10 PM - 06:15 PM	55.6	51.8	08:50 PM - 08:55 PM	50.5	49.0	11:30 PM - 11:35 PM	49.9	48.2
06:15 PM - 06:20 PM	54.4	51.5	08:55 PM - 09:00 PM	50.5	48.9	11:35 PM - 11:40 PM	49.9	48.3
06:20 PM - 06:25 PM	53.9	51.1	09:00 PM - 09:05 PM	50.6	49.0	11:40 PM - 11:45 PM	49.9	48.9
06:25 PM - 06:30 PM	56.9	51.0	09:05 PM - 09:10 PM	50.4	48.6	11:45 PM - 11:50 PM	49.6	48.1
06:30 PM - 06:35 PM	54.1	50.4	09:10 PM - 09:15 PM	51.2	48.4	11:50 PM - 11:55 PM	49.7	48.4
06:35 PM - 06:40 PM	52.6	50.0	09:15 PM - 09:20 PM	50.7	48.4	11:55 PM - 12:00 AM	49.4	48.4
06:40 PM - 06:45 PM	52.9	50.6	09:20 PM - 09:25 PM	51.8	48.5	12:00 AM - 12:05 AM	50.7	48.8
06:45 PM - 06:50 PM	58.8	52.5	09:25 PM - 09:30 PM	50.7	48.3	12:05 AM - 12:10 AM	51.2	49.4
06:50 PM - 06:55 PM	57.6	57.1	09:30 PM - 09:35 PM	57.3	48.9	12:10 AM - 12:15 AM	49.8	47.8
06:55 PM - 07:00 PM	56.8	53.0	09:35 PM - 09:40 PM	51.2	48.4	12:15 AM - 12:20 AM	50.6	48.3
07:00 PM - 07:05 PM	52.3	49.6	09:40 PM - 09:45 PM	50.2	48.2	12:20 AM - 12:25 AM	50.0	48.6
07:05 PM - 07:10 PM	53.1	49.8	09:45 PM - 09:50 PM	57.2	48.4	12:25 AM - 12:30 AM	49.5	48.3
07:10 PM - 07:15 PM	53.2	49.9	09:50 PM - 09:55 PM	49.4	48.2	12:30 AM - 12:35 AM	50.1	48.2
07:15 PM - 07:20 PM	53.1	49.0	09:55 PM - 10:00 PM	49.6	47.4	12:35 AM - 12:40 AM	50.5	48.8
07:20 PM - 07:25 PM	52.0	48.8	10:00 PM - 10:05 PM	49.3	47.3	12:40 AM - 12:45 AM	50.7	49.7
07:25 PM - 07:30 PM	51.4	49.1	10:05 PM - 10:10 PM	49.2	47.6	12:45 AM - 12:50 AM	50.1	48.7
07:30 PM - 07:35 PM	52.5	49.2	10:10 PM - 10:15 PM	50.6	48.4	12:50 AM - 12:55 AM	49.7	48.5
07:35 PM - 07:40 PM	52.9	49.1	10:15 PM - 10:20 PM	50.5	48.2	12:55 AM - 01:00 AM	49.9	48.8

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020706-1

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

Page 2 of 3

Sample Number : 2417320-5
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 04 - Jun 05, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 05, 2024	Leq	L90	Jun 05, 2024	Leq	L90	Jun 05, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	49.3	48.4	03:40 AM - 03:45 AM	52.2	50.2	06:20 AM - 06:25 AM	54.5	51.2
01:05 AM - 01:10 AM	49.3	48.4	03:45 AM - 03:50 AM	50.5	48.2	06:25 AM - 06:30 AM	55.0	52.3
01:10 AM - 01:15 AM	49.8	48.3	03:50 AM - 03:55 AM	49.5	48.3	06:30 AM - 06:35 AM	55.1	52.2
01:15 AM - 01:20 AM	49.7	48.1	03:55 AM - 04:00 AM	49.9	48.3	06:35 AM - 06:40 AM	54.1	52.2
01:20 AM - 01:25 AM	48.6	47.8	04:00 AM - 04:05 AM	54.4	49.6	06:40 AM - 06:45 AM	58.1	52.2
01:25 AM - 01:30 AM	54.8	47.9	04:05 AM - 04:10 AM	49.8	48.2	06:45 AM - 06:50 AM	57.1	52.6
01:30 AM - 01:35 AM	48.8	47.6	04:10 AM - 04:15 AM	50.7	49.0	06:50 AM - 06:55 AM	54.9	52.2
01:35 AM - 01:40 AM	49.5	47.9	04:15 AM - 04:20 AM	50.3	48.9	06:55 AM - 07:00 AM	57.0	53.2
01:40 AM - 01:45 AM	49.5	48.1	04:20 AM - 04:25 AM	50.1	48.8	07:00 AM - 07:05 AM	54.1	52.7
01:45 AM - 01:50 AM	48.8	47.6	04:25 AM - 04:30 AM	50.6	48.2	07:05 AM - 07:10 AM	56.2	53.6
01:50 AM - 01:55 AM	49.6	48.3	04:30 AM - 04:35 AM	50.6	48.8	07:10 AM - 07:15 AM	57.9	53.8
01:55 AM - 02:00 AM	50.1	48.1	04:35 AM - 04:40 AM	50.6	48.8	07:15 AM - 07:20 AM	54.7	52.3
02:00 AM - 02:05 AM	48.8	47.4	04:40 AM - 04:45 AM	53.5	49.7	07:20 AM - 07:25 AM	55.2	52.5
02:05 AM - 02:10 AM	48.8	47.7	04:45 AM - 04:50 AM	50.9	49.2	07:25 AM - 07:30 AM	55.6	53.0
02:10 AM - 02:15 AM	49.4	48.1	04:50 AM - 04:55 AM	50.6	49.1	07:30 AM - 07:35 AM	54.4	52.2
02:15 AM - 02:20 AM	49.1	48.0	04:55 AM - 05:00 AM	51.5	49.5	07:35 AM - 07:40 AM	55.2	52.1
02:20 AM - 02:25 AM	50.4	47.7	05:00 AM - 05:05 AM	50.5	49.4	07:40 AM - 07:45 AM	53.7	51.3
02:25 AM - 02:30 AM	50.3	48.0	05:05 AM - 05:10 AM	50.7	48.9	07:45 AM - 07:50 AM	54.7	51.8
02:30 AM - 02:35 AM	50.0	48.6	05:10 AM - 05:15 AM	50.0	49.0	07:50 AM - 07:55 AM	56.0	51.5
02:35 AM - 02:40 AM	51.5	49.0	05:15 AM - 05:20 AM	50.5	49.1	07:55 AM - 08:00 AM	53.9	51.2
02:40 AM - 02:45 AM	48.5	47.1	05:20 AM - 05:25 AM	51.9	49.4	08:00 AM - 08:05 AM	56.2	51.6
02:45 AM - 02:50 AM	49.3	48.5	05:25 AM - 05:30 AM	57.3	52.5	08:05 AM - 08:10 AM	55.0	50.9
02:50 AM - 02:55 AM	51.2	48.4	05:30 AM - 05:35 AM	55.1	52.4	08:10 AM - 08:15 AM	53.7	50.4
02:55 AM - 03:00 AM	51.0	49.9	05:35 AM - 05:40 AM	52.9	50.7	08:15 AM - 08:20 AM	53.6	50.5
03:00 AM - 03:05 AM	52.2	50.1	05:40 AM - 05:45 AM	51.5	49.7	08:20 AM - 08:25 AM	52.6	50.3
03:05 AM - 03:10 AM	51.2	49.5	05:45 AM - 05:50 AM	52.4	49.8	08:25 AM - 08:30 AM	53.9	50.0
03:10 AM - 03:15 AM	51.4	48.7	05:50 AM - 05:55 AM	54.3	51.8	08:30 AM - 08:35 AM	51.6	49.4
03:15 AM - 03:20 AM	49.4	48.0	05:55 AM - 06:00 AM	55.4	51.4	08:35 AM - 08:40 AM	53.4	50.9
03:20 AM - 03:25 AM	49.9	48.6	06:00 AM - 06:05 AM	54.9	52.3	08:40 AM - 08:45 AM	53.0	50.5
03:25 AM - 03:30 AM	49.5	48.0	06:05 AM - 06:10 AM	53.6	50.9	08:45 AM - 08:50 AM	56.1	50.9
03:30 AM - 03:35 AM	51.0	48.7	06:10 AM - 06:15 AM	55.7	52.2	08:50 AM - 08:55 AM	54.2	50.6
03:35 AM - 03:40 AM	50.7	48.4	06:15 AM - 06:20 AM	53.1	51.2	08:55 AM - 09:00 AM	59.5	51.1

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020706-1

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

Page 3 of 3

Sample Number : 2417320-5
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 04 - Jun 05, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 05, 2024	Leq	L90	Jun 05, 2024	Leq	L90	Jun 05, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	53.3	50.7	11:40 AM - 11:45 AM	53.9	50.5	02:20 PM - 02:25 PM	56.2	53.3
09:05 AM - 09:10 AM	53.0	50.2	11:45 AM - 11:50 AM	53.0	50.1	02:25 PM - 02:30 PM	56.4	53.1
09:10 AM - 09:15 AM	53.0	50.5	11:50 AM - 11:55 AM	54.0	50.5	02:30 PM - 02:35 PM	56.0	52.7
09:15 AM - 09:20 AM	52.7	50.7	11:55 AM - 12:00 PM	54.5	49.9	02:35 PM - 02:40 PM	56.2	53.3
09:20 AM - 09:25 AM	53.0	50.7	12:00 PM - 12:05 PM	53.2	49.8	02:40 PM - 02:45 PM	57.2	54.2
09:25 AM - 09:30 AM	53.7	50.9	12:05 PM - 12:10 PM	52.1	50.1	02:45 PM - 02:50 PM	56.9	53.7
09:30 AM - 09:35 AM	54.0	51.8	12:10 PM - 12:15 PM	59.7	50.7	02:50 PM - 02:55 PM	57.0	54.0
09:35 AM - 09:40 AM	53.3	51.4	12:15 PM - 12:20 PM	53.4	50.9	02:55 PM - 03:00 PM	56.3	52.7
09:40 AM - 09:45 AM	52.9	50.9	12:20 PM - 12:25 PM	55.3	50.7	03:00 PM - 03:05 PM	53.6	51.4
09:45 AM - 09:50 AM	54.9	51.9	12:25 PM - 12:30 PM	52.1	50.1	03:05 PM - 03:10 PM	56.3	53.1
09:50 AM - 09:55 AM	53.9	50.9	12:30 PM - 12:35 PM	54.7	51.6	03:10 PM - 03:15 PM	58.7	53.7
09:55 AM - 10:00 AM	53.6	51.0	12:35 PM - 12:40 PM	54.3	51.1	03:15 PM - 03:20 PM	58.0	54.2
10:00 AM - 10:05 AM	54.0	50.4	12:40 PM - 12:45 PM	52.8	50.7	03:20 PM - 03:25 PM	58.0	51.9
10:05 AM - 10:10 AM	54.0	49.6	12:45 PM - 12:50 PM	52.1	50.0	03:25 PM - 03:30 PM	57.8	52.7
10:10 AM - 10:15 AM	51.3	49.2	12:50 PM - 12:55 PM	53.9	51.2	03:30 PM - 03:35 PM	56.1	53.5
10:15 AM - 10:20 AM	50.8	49.0	12:55 PM - 01:00 PM	53.3	50.8	03:35 PM - 03:40 PM	56.2	53.8
10:20 AM - 10:25 AM	50.7	49.0	01:00 PM - 01:05 PM	54.6	51.4	03:40 PM - 03:45 PM	55.5	53.4
10:25 AM - 10:30 AM	51.6	48.8	01:05 PM - 01:10 PM	55.3	51.2	03:45 PM - 03:50 PM	62.2	54.0
10:30 AM - 10:35 AM	51.9	49.9	01:10 PM - 01:15 PM	58.1	52.9	03:50 PM - 03:55 PM	57.7	51.8
10:35 AM - 10:40 AM	52.1	49.4	01:15 PM - 01:20 PM	57.2	53.8	03:55 PM - 04:00 PM	56.3	52.1
10:40 AM - 10:45 AM	52.7	49.4	01:20 PM - 01:25 PM	56.9	54.0	04:00 PM - 04:05 PM	58.0	52.1
10:45 AM - 10:50 AM	53.9	50.1	01:25 PM - 01:30 PM	57.6	54.0	04:05 PM - 04:10 PM	60.0	53.9
10:50 AM - 10:55 AM	51.7	48.9	01:30 PM - 01:35 PM	56.7	53.4	04:10 PM - 04:15 PM	58.4	51.2
10:55 AM - 11:00 AM	51.4	49.1	01:35 PM - 01:40 PM	57.0	53.3	04:15 PM - 04:20 PM	61.3	52.4
11:00 AM - 11:05 AM	51.5	49.3	01:40 PM - 01:45 PM	57.2	53.5	04:20 PM - 04:25 PM	63.0	60.7
11:05 AM - 11:10 AM	58.6	49.7	01:45 PM - 01:50 PM	56.6	52.6	04:25 PM - 04:30 PM	58.7	54.5
11:10 AM - 11:15 AM	54.9	49.6	01:50 PM - 01:55 PM	56.4	52.6	04:30 PM - 04:35 PM	57.5	53.6
11:15 AM - 11:20 AM	50.9	48.9	01:55 PM - 02:00 PM	56.6	52.8	04:35 PM - 04:40 PM	56.3	53.6
11:20 AM - 11:25 AM	53.7	49.1	02:00 PM - 02:05 PM	56.3	53.0	04:40 PM - 04:45 PM	56.3	53.4
11:25 AM - 11:30 AM	54.3	48.9	02:05 PM - 02:10 PM	56.3	53.2	04:45 PM - 04:50 PM	54.9	53.2
11:30 AM - 11:35 AM	54.8	49.8	02:10 PM - 02:15 PM	56.7	53.4	04:50 PM - 04:55 PM	54.8	52.3
11:35 AM - 11:40 AM	54.4	51.1	02:15 PM - 02:20 PM	56.2	52.6	04:55 PM - 05:00 PM	55.3	52.2

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020707-1

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

Page 1 of 3

Sample Number : 2417320-6
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 05 - Jun 06, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 05, 2024			Jun 05, 2024			Jun 05 - Jun 06, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	53.5	51.6	07:40 PM - 07:45 PM	52.6	50.6	10:20 PM - 10:25 PM	52.3	50.0
05:05 PM - 05:10 PM	54.4	52.6	07:45 PM - 07:50 PM	52.4	50.5	10:25 PM - 10:30 PM	51.5	49.4
05:10 PM - 05:15 PM	55.2	53.3	07:50 PM - 07:55 PM	51.9	50.3	10:30 PM - 10:35 PM	51.7	49.8
05:15 PM - 05:20 PM	55.0	52.6	07:55 PM - 08:00 PM	52.2	49.8	10:35 PM - 10:40 PM	52.6	49.8
05:20 PM - 05:25 PM	53.9	51.9	08:00 PM - 08:05 PM	52.3	50.5	10:40 PM - 10:45 PM	58.4	50.1
05:25 PM - 05:30 PM	53.2	52.0	08:05 PM - 08:10 PM	52.8	50.8	10:45 PM - 10:50 PM	52.8	50.7
05:30 PM - 05:35 PM	57.2	51.4	08:10 PM - 08:15 PM	55.7	51.1	10:50 PM - 10:55 PM	52.7	50.2
05:35 PM - 05:40 PM	54.4	51.5	08:15 PM - 08:20 PM	52.8	50.9	10:55 PM - 11:00 PM	52.0	50.0
05:40 PM - 05:45 PM	53.4	51.0	08:20 PM - 08:25 PM	52.7	50.8	11:00 PM - 11:05 PM	52.9	50.0
05:45 PM - 05:50 PM	52.7	50.9	08:25 PM - 08:30 PM	52.1	50.6	11:05 PM - 11:10 PM	53.0	50.1
05:50 PM - 05:55 PM	53.8	50.9	08:30 PM - 08:35 PM	52.0	50.1	11:10 PM - 11:15 PM	53.4	50.3
05:55 PM - 06:00 PM	52.6	50.6	08:35 PM - 08:40 PM	54.6	50.3	11:15 PM - 11:20 PM	54.2	49.4
06:00 PM - 06:05 PM	53.5	51.6	08:40 PM - 08:45 PM	52.0	50.0	11:20 PM - 11:25 PM	51.7	49.5
06:05 PM - 06:10 PM	54.4	52.2	08:45 PM - 08:50 PM	50.9	49.4	11:25 PM - 11:30 PM	52.5	50.0
06:10 PM - 06:15 PM	54.6	52.1	08:50 PM - 08:55 PM	51.1	49.8	11:30 PM - 11:35 PM	51.7	50.4
06:15 PM - 06:20 PM	53.1	51.3	08:55 PM - 09:00 PM	52.1	49.9	11:35 PM - 11:40 PM	54.3	50.9
06:20 PM - 06:25 PM	52.7	51.1	09:00 PM - 09:05 PM	52.7	50.6	11:40 PM - 11:45 PM	55.6	51.0
06:25 PM - 06:30 PM	52.9	51.0	09:05 PM - 09:10 PM	52.7	50.9	11:45 PM - 11:50 PM	53.1	50.2
06:30 PM - 06:35 PM	60.2	51.4	09:10 PM - 09:15 PM	53.7	50.4	11:50 PM - 11:55 PM	53.5	49.6
06:35 PM - 06:40 PM	57.2	51.6	09:15 PM - 09:20 PM	55.9	50.1	11:55 PM - 12:00 AM	52.9	49.9
06:40 PM - 06:45 PM	58.1	51.8	09:20 PM - 09:25 PM	52.0	50.1	12:00 AM - 12:05 AM	56.2	53.4
06:45 PM - 06:50 PM	55.8	53.2	09:25 PM - 09:30 PM	51.1	49.9	12:05 AM - 12:10 AM	54.8	51.9
06:50 PM - 06:55 PM	57.2	55.9	09:30 PM - 09:35 PM	51.9	50.5	12:10 AM - 12:15 AM	54.5	51.0
06:55 PM - 07:00 PM	55.4	52.5	09:35 PM - 09:40 PM	52.7	51.1	12:15 AM - 12:20 AM	54.2	50.7
07:00 PM - 07:05 PM	53.4	51.3	09:40 PM - 09:45 PM	53.7	50.5	12:20 AM - 12:25 AM	53.8	49.8
07:05 PM - 07:10 PM	53.0	50.9	09:45 PM - 09:50 PM	54.0	49.6	12:25 AM - 12:30 AM	54.0	49.7
07:10 PM - 07:15 PM	54.5	51.4	09:50 PM - 09:55 PM	52.3	49.9	12:30 AM - 12:35 AM	53.8	50.8
07:15 PM - 07:20 PM	56.6	51.5	09:55 PM - 10:00 PM	52.2	50.1	12:35 AM - 12:40 AM	54.7	50.1
07:20 PM - 07:25 PM	52.2	50.8	10:00 PM - 10:05 PM	53.9	49.9	12:40 AM - 12:45 AM	52.2	49.3
07:25 PM - 07:30 PM	52.4	50.2	10:05 PM - 10:10 PM	51.7	49.8	12:45 AM - 12:50 AM	52.6	48.7
07:30 PM - 07:35 PM	54.0	51.2	10:10 PM - 10:15 PM	52.0	49.6	12:50 AM - 12:55 AM	52.0	49.0
07:35 PM - 07:40 PM	52.4	50.7	10:15 PM - 10:20 PM	51.3	49.7	12:55 AM - 01:00 AM	55.2	53.6

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020707-1

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

Page 2 of 3

Sample Number : 2417320-6
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 05 - Jun 06, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 06, 2024			Jun 06, 2024			Jun 06, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
01:00 AM - 01:05 AM	54.1	52.6	03:40 AM - 03:45 AM	51.5	50.1	06:20 AM - 06:25 AM	55.2	52.8
01:05 AM - 01:10 AM	52.9	52.3	03:45 AM - 03:50 AM	51.2	49.9	06:25 AM - 06:30 AM	56.2	53.5
01:10 AM - 01:15 AM	52.9	51.8	03:50 AM - 03:55 AM	50.8	49.9	06:30 AM - 06:35 AM	57.7	53.0
01:15 AM - 01:20 AM	53.8	52.3	03:55 AM - 04:00 AM	50.3	49.7	06:35 AM - 06:40 AM	55.6	53.4
01:20 AM - 01:25 AM	54.6	53.4	04:00 AM - 04:05 AM	51.1	49.9	06:40 AM - 06:45 AM	56.0	53.6
01:25 AM - 01:30 AM	57.3	56.4	04:05 AM - 04:10 AM	52.1	51.3	06:45 AM - 06:50 AM	55.8	53.4
01:30 AM - 01:35 AM	56.1	54.5	04:10 AM - 04:15 AM	52.4	51.7	06:50 AM - 06:55 AM	55.2	53.0
01:35 AM - 01:40 AM	53.3	52.5	04:15 AM - 04:20 AM	52.8	51.3	06:55 AM - 07:00 AM	55.7	52.9
01:40 AM - 01:45 AM	52.8	51.9	04:20 AM - 04:25 AM	51.7	50.5	07:00 AM - 07:05 AM	57.3	53.9
01:45 AM - 01:50 AM	51.7	50.9	04:25 AM - 04:30 AM	51.7	50.6	07:05 AM - 07:10 AM	55.8	53.7
01:50 AM - 01:55 AM	52.2	50.9	04:30 AM - 04:35 AM	50.9	49.8	07:10 AM - 07:15 AM	55.5	53.4
01:55 AM - 02:00 AM	51.6	50.9	04:35 AM - 04:40 AM	51.0	49.9	07:15 AM - 07:20 AM	55.7	53.2
02:00 AM - 02:05 AM	51.4	50.9	04:40 AM - 04:45 AM	51.2	49.9	07:20 AM - 07:25 AM	55.8	53.3
02:05 AM - 02:10 AM	51.1	50.6	04:45 AM - 04:50 AM	50.9	50.0	07:25 AM - 07:30 AM	56.3	51.9
02:10 AM - 02:15 AM	51.0	50.5	04:50 AM - 04:55 AM	50.8	49.7	07:30 AM - 07:35 AM	56.6	52.5
02:15 AM - 02:20 AM	51.3	50.5	04:55 AM - 05:00 AM	51.7	49.7	07:35 AM - 07:40 AM	54.3	51.8
02:20 AM - 02:25 AM	51.2	50.4	05:00 AM - 05:05 AM	51.1	50.1	07:40 AM - 07:45 AM	56.1	52.9
02:25 AM - 02:30 AM	50.5	49.8	05:05 AM - 05:10 AM	51.9	50.2	07:45 AM - 07:50 AM	54.2	52.1
02:30 AM - 02:35 AM	50.5	50.0	05:10 AM - 05:15 AM	52.0	50.5	07:50 AM - 07:55 AM	55.1	52.4
02:35 AM - 02:40 AM	50.8	50.3	05:15 AM - 05:20 AM	52.8	51.1	07:55 AM - 08:00 AM	57.6	51.9
02:40 AM - 02:45 AM	50.9	50.3	05:20 AM - 05:25 AM	57.1	50.7	08:00 AM - 08:05 AM	60.4	52.5
02:45 AM - 02:50 AM	51.0	50.3	05:25 AM - 05:30 AM	59.0	50.6	08:05 AM - 08:10 AM	56.0	51.6
02:50 AM - 02:55 AM	51.3	50.6	05:30 AM - 05:35 AM	60.3	50.7	08:10 AM - 08:15 AM	54.3	52.2
02:55 AM - 03:00 AM	51.6	50.7	05:35 AM - 05:40 AM	56.0	54.1	08:15 AM - 08:20 AM	57.0	52.1
03:00 AM - 03:05 AM	51.2	50.6	05:40 AM - 05:45 AM	56.3	52.2	08:20 AM - 08:25 AM	58.3	51.3
03:05 AM - 03:10 AM	51.1	50.6	05:45 AM - 05:50 AM	52.8	51.3	08:25 AM - 08:30 AM	54.9	51.2
03:10 AM - 03:15 AM	50.8	50.3	05:50 AM - 05:55 AM	53.0	51.3	08:30 AM - 08:35 AM	55.3	52.7
03:15 AM - 03:20 AM	50.5	49.8	05:55 AM - 06:00 AM	53.3	51.3	08:35 AM - 08:40 AM	55.9	52.9
03:20 AM - 03:25 AM	51.2	50.1	06:00 AM - 06:05 AM	53.2	51.5	08:40 AM - 08:45 AM	55.0	51.8
03:25 AM - 03:30 AM	51.1	50.1	06:05 AM - 06:10 AM	53.7	51.8	08:45 AM - 08:50 AM	55.1	51.1
03:30 AM - 03:35 AM	53.1	50.3	06:10 AM - 06:15 AM	53.5	51.7	08:50 AM - 08:55 AM	53.7	51.0
03:35 AM - 03:40 AM	51.1	50.2	06:15 AM - 06:20 AM	54.8	51.6	08:55 AM - 09:00 AM	55.9	51.7

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417320

Date Received :Jun 10, 2024

Date Reported :Jun 12, 2024

Report Number : 3020707-1

Page 3 of 3

Sample Number 2417320-6
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Jun 05 - Jun 06, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122578

Jun 06, 2024	Leq	L90	Jun 06, 2024	Leq	L90	Jun 06, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	54.5	51.2	11:40 AM - 11:45 AM	53.3	51.6	02:20 PM - 02:25 PM	58.7	53.7
09:05 AM - 09:10 AM	54.2	51.3	11:45 AM - 11:50 AM	55.8	51.7	02:25 PM - 02:30 PM	55.1	52.7
09:10 AM - 09:15 AM	54.7	51.7	11:50 AM - 11:55 AM	53.5	51.7	02:30 PM - 02:35 PM	56.2	54.1
09:15 AM - 09:20 AM	55.4	50.5	11:55 AM - 12:00 PM	54.6	52.5	02:35 PM - 02:40 PM	56.2	53.6
09:20 AM - 09:25 AM	53.9	50.4	12:00 PM - 12:05 PM	54.0	52.5	02:40 PM - 02:45 PM	55.5	53.0
09:25 AM - 09:30 AM	54.2	51.0	12:05 PM - 12:10 PM	56.6	54.6	02:45 PM - 02:50 PM	54.8	52.6
09:30 AM - 09:35 AM	54.7	52.4	12:10 PM - 12:15 PM	55.7	53.5	02:50 PM - 02:55 PM	55.7	53.4
09:35 AM - 09:40 AM	53.3	51.4	12:15 PM - 12:20 PM	55.0	52.8	02:55 PM - 03:00 PM	54.8	52.6
09:40 AM - 09:45 AM	53.0	51.0	12:20 PM - 12:25 PM	55.6	53.6	03:00 PM - 03:05 PM	53.7	51.2
09:45 AM - 09:50 AM	55.4	51.6	12:25 PM - 12:30 PM	55.3	53.8	03:05 PM - 03:10 PM	53.6	51.8
09:50 AM - 09:55 AM	54.8	51.6	12:30 PM - 12:35 PM	56.2	54.2	03:10 PM - 03:15 PM	55.1	53.6
09:55 AM - 10:00 AM	55.5	52.3	12:35 PM - 12:40 PM	57.3	54.6	03:15 PM - 03:20 PM	54.7	52.9
10:00 AM - 10:05 AM	56.2	52.1	12:40 PM - 12:45 PM	55.4	51.7	03:20 PM - 03:25 PM	55.0	52.0
10:05 AM - 10:10 AM	52.3	50.7	12:45 PM - 12:50 PM	53.8	52.2	03:25 PM - 03:30 PM	53.7	50.5
10:10 AM - 10:15 AM	52.4	50.9	12:50 PM - 12:55 PM	55.6	52.6	03:30 PM - 03:35 PM	53.3	49.5
10:15 AM - 10:20 AM	51.8	50.5	12:55 PM - 01:00 PM	56.5	52.6	03:35 PM - 03:40 PM	52.3	48.9
10:20 AM - 10:25 AM	54.6	50.7	01:00 PM - 01:05 PM	56.0	52.6	03:40 PM - 03:45 PM	51.6	48.8
10:25 AM - 10:30 AM	61.0	51.2	01:05 PM - 01:10 PM	56.3	53.2	03:45 PM - 03:50 PM	51.3	48.6
10:30 AM - 10:35 AM	55.1	51.8	01:10 PM - 01:15 PM	55.1	52.5	03:50 PM - 03:55 PM	53.1	49.5
10:35 AM - 10:40 AM	54.7	51.4	01:15 PM - 01:20 PM	55.1	52.5	03:55 PM - 04:00 PM	60.0	49.7
10:40 AM - 10:45 AM	55.1	52.1	01:20 PM - 01:25 PM	58.9	53.8	04:00 PM - 04:05 PM	53.1	49.4
10:45 AM - 10:50 AM	57.5	52.7	01:25 PM - 01:30 PM	54.5	51.9	04:05 PM - 04:10 PM	55.8	51.6
10:50 AM - 10:55 AM	56.2	52.5	01:30 PM - 01:35 PM	55.6	52.6	04:10 PM - 04:15 PM	53.5	50.9
10:55 AM - 11:00 AM	55.4	51.9	01:35 PM - 01:40 PM	55.8	53.8	04:15 PM - 04:20 PM	55.3	51.2
11:00 AM - 11:05 AM	55.4	51.9	01:40 PM - 01:45 PM	55.1	52.8	04:20 PM - 04:25 PM	52.3	49.6
11:05 AM - 11:10 AM	53.1	50.8	01:45 PM - 01:50 PM	59.3	53.1	04:25 PM - 04:30 PM	52.3	49.9
11:10 AM - 11:15 AM	52.7	50.5	01:50 PM - 01:55 PM	57.9	53.8	04:30 PM - 04:35 PM	55.3	51.0
11:15 AM - 11:20 AM	52.0	49.9	01:55 PM - 02:00 PM	55.6	52.8	04:35 PM - 04:40 PM	55.7	52.3
11:20 AM - 11:25 AM	52.8	50.1	02:00 PM - 02:05 PM	54.9	52.2	04:40 PM - 04:45 PM	54.6	52.3
11:25 AM - 11:30 AM	54.3	50.3	02:05 PM - 02:10 PM	54.6	52.8	04:45 PM - 04:50 PM	55.5	52.7
11:30 AM - 11:35 AM	52.0	49.6	02:10 PM - 02:15 PM	55.0	52.1	04:50 PM - 04:55 PM	54.6	51.9
11:35 AM - 11:40 AM	53.0	51.2	02:15 PM - 02:20 PM	56.1	52.7	04:55 PM - 05:00 PM	53.7	50.9

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Sarayuth Jittrantont
Assistant General Manager

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417320

Date Received :Jun 10, 2024

Date Reported :Jun 12, 2024

Report Number : 3020708-1

Page 1 of 3

Sample Number 2417320-7
Parameter Noise Level (Leq 5 min)
Location ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date Jun 06 - Jun 07, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122578

Jun 06, 2024	Leq	L90	Jun 06, 2024	Leq	L90	Jun 06 - Jun 07, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	54.1	50.7	07:40 PM - 07:45 PM	54.1	49.8	10:20 PM - 10:25 PM	50.3	47.5
05:05 PM - 05:10 PM	53.6	51.3	07:45 PM - 07:50 PM	51.7	48.5	10:25 PM - 10:30 PM	55.7	47.5
05:10 PM - 05:15 PM	54.2	51.5	07:50 PM - 07:55 PM	51.5	48.2	10:30 PM - 10:35 PM	50.7	47.9
05:15 PM - 05:20 PM	53.7	50.4	07:55 PM - 08:00 PM	52.2	48.9	10:35 PM - 10:40 PM	51.6	48.0
05:20 PM - 05:25 PM	53.3	51.7	08:00 PM - 08:05 PM	52.3	49.4	10:40 PM - 10:45 PM	51.0	48.0
05:25 PM - 05:30 PM	52.6	50.8	08:05 PM - 08:10 PM	52.6	50.2	10:45 PM - 10:50 PM	51.1	48.1
05:30 PM - 05:35 PM	53.2	50.4	08:10 PM - 08:15 PM	55.6	50.2	10:50 PM - 10:55 PM	51.0	48.3
05:35 PM - 05:40 PM	53.8	50.0	08:15 PM - 08:20 PM	57.0	51.3	10:55 PM - 11:00 PM	53.2	49.0
05:40 PM - 05:45 PM	53.9	48.8	08:20 PM - 08:25 PM	53.0	50.0	11:00 PM - 11:05 PM	49.9	47.7
05:45 PM - 05:50 PM	51.0	48.0	08:25 PM - 08:30 PM	52.5	49.8	11:05 PM - 11:10 PM	51.2	48.3
05:50 PM - 05:55 PM	52.2	49.3	08:30 PM - 08:35 PM	52.6	48.9	11:10 PM - 11:15 PM	51.0	48.3
05:55 PM - 06:00 PM	54.0	50.8	08:35 PM - 08:40 PM	51.9	49.1	11:15 PM - 11:20 PM	53.3	48.5
06:00 PM - 06:05 PM	55.3	50.7	08:40 PM - 08:45 PM	53.9	48.5	11:20 PM - 11:25 PM	51.1	48.6
06:05 PM - 06:10 PM	59.8	50.6	08:45 PM - 08:50 PM	54.9	49.5	11:25 PM - 11:30 PM	51.8	49.5
06:10 PM - 06:15 PM	53.7	50.3	08:50 PM - 08:55 PM	51.8	48.4	11:30 PM - 11:35 PM	52.7	48.6
06:15 PM - 06:20 PM	54.0	51.1	08:55 PM - 09:00 PM	53.5	49.0	11:35 PM - 11:40 PM	51.9	48.9
06:20 PM - 06:25 PM	54.4	50.6	09:00 PM - 09:05 PM	51.8	49.0	11:40 PM - 11:45 PM	51.9	48.8
06:25 PM - 06:30 PM	54.3	50.3	09:05 PM - 09:10 PM	51.4	48.4	11:45 PM - 11:50 PM	54.2	49.6
06:30 PM - 06:35 PM	53.5	50.3	09:10 PM - 09:15 PM	53.8	50.3	11:50 PM - 11:55 PM	54.8	50.4
06:35 PM - 06:40 PM	53.4	50.3	09:15 PM - 09:20 PM	55.5	50.4	11:55 PM - 12:00 AM	55.5	50.9
06:40 PM - 06:45 PM	54.1	51.8	09:20 PM - 09:25 PM	52.7	49.9	12:00 AM - 12:05 AM	53.5	50.0
06:45 PM - 06:50 PM	55.0	53.7	09:25 PM - 09:30 PM	51.6	48.5	12:05 AM - 12:10 AM	53.9	49.7
06:50 PM - 06:55 PM	59.1	55.1	09:30 PM - 09:35 PM	52.1	49.1	12:10 AM - 12:15 AM	53.3	50.1
06:55 PM - 07:00 PM	55.7	53.2	09:35 PM - 09:40 PM	52.9	48.0	12:15 AM - 12:20 AM	54.3	50.9
07:00 PM - 07:05 PM	53.9	50.4	09:40 PM - 09:45 PM	53.4	48.4	12:20 AM - 12:25 AM	54.4	49.0
07:05 PM - 07:10 PM	54.6	50.3	09:45 PM - 09:50 PM	52.2	49.7	12:25 AM - 12:30 AM	52.0	48.6
07:10 PM - 07:15 PM	55.1	51.5	09:50 PM - 09:55 PM	52.4	48.4	12:30 AM - 12:35 AM	51.7	47.2
07:15 PM - 07:20 PM	52.7	50.9	09:55 PM - 10:00 PM	52.3	48.6	12:35 AM - 12:40 AM	51.3	48.5
07:20 PM - 07:25 PM	54.5	50.9	10:00 PM - 10:05 PM	53.1	49.9	12:40 AM - 12:45 AM	51.1	47.9
07:25 PM - 07:30 PM	54.2	49.7	10:05 PM - 10:10 PM	52.2	48.7	12:45 AM - 12:50 AM	50.0	47.2
07:30 PM - 07:35 PM	52.0	49.4	10:10 PM - 10:15 PM	52.6	47.6	12:50 AM - 12:55 AM	49.0	47.7
07:35 PM - 07:40 PM	52.2	50.1	10:15 PM - 10:20 PM	49.3	46.7	12:55 AM - 01:00 AM	48.1	46.9

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Approved by

Sarayuth Jittrantont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020708-1

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

Page 2 of 3

Sample Number : 2417320-7
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 06 - Jun 07, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 07, 2024	Leq	L90	Jun 07, 2024	Leq	L90	Jun 07, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	51.9	47.3	03:40 AM - 03:45 AM	46.3	45.3	06:20 AM - 06:25 AM	53.5	50.6
01:05 AM - 01:10 AM	53.4	50.9	03:45 AM - 03:50 AM	46.3	45.5	06:25 AM - 06:30 AM	53.6	50.6
01:10 AM - 01:15 AM	52.1	49.7	03:50 AM - 03:55 AM	46.2	45.4	06:30 AM - 06:35 AM	53.1	50.8
01:15 AM - 01:20 AM	50.3	48.5	03:55 AM - 04:00 AM	53.1	45.9	06:35 AM - 06:40 AM	54.7	51.3
01:20 AM - 01:25 AM	49.8	46.7	04:00 AM - 04:05 AM	47.3	45.3	06:40 AM - 06:45 AM	53.5	51.3
01:25 AM - 01:30 AM	49.0	46.9	04:05 AM - 04:10 AM	46.1	44.5	06:45 AM - 06:50 AM	53.0	50.6
01:30 AM - 01:35 AM	47.8	46.0	04:10 AM - 04:15 AM	47.4	45.6	06:50 AM - 06:55 AM	55.0	51.6
01:35 AM - 01:40 AM	49.2	46.0	04:15 AM - 04:20 AM	48.3	45.4	06:55 AM - 07:00 AM	54.6	51.0
01:40 AM - 01:45 AM	51.5	46.1	04:20 AM - 04:25 AM	46.5	44.8	07:00 AM - 07:05 AM	54.9	51.5
01:45 AM - 01:50 AM	49.9	46.0	04:25 AM - 04:30 AM	48.1	45.1	07:05 AM - 07:10 AM	54.0	51.6
01:50 AM - 01:55 AM	55.2	46.4	04:30 AM - 04:35 AM	48.6	45.6	07:10 AM - 07:15 AM	53.6	50.9
01:55 AM - 02:00 AM	48.9	46.7	04:35 AM - 04:40 AM	46.9	45.6	07:15 AM - 07:20 AM	54.2	51.1
02:00 AM - 02:05 AM	48.2	46.1	04:40 AM - 04:45 AM	46.8	45.1	07:20 AM - 07:25 AM	55.4	51.2
02:05 AM - 02:10 AM	47.3	46.1	04:45 AM - 04:50 AM	48.6	45.6	07:25 AM - 07:30 AM	59.7	51.0
02:10 AM - 02:15 AM	46.8	45.4	04:50 AM - 04:55 AM	47.6	45.7	07:30 AM - 07:35 AM	58.9	51.3
02:15 AM - 02:20 AM	47.6	45.7	04:55 AM - 05:00 AM	47.4	46.0	07:35 AM - 07:40 AM	53.0	50.6
02:20 AM - 02:25 AM	47.4	45.8	05:00 AM - 05:05 AM	48.8	46.8	07:40 AM - 07:45 AM	52.4	50.5
02:25 AM - 02:30 AM	46.9	45.6	05:05 AM - 05:10 AM	48.4	46.6	07:45 AM - 07:50 AM	53.5	50.2
02:30 AM - 02:35 AM	47.5	45.7	05:10 AM - 05:15 AM	49.0	47.0	07:50 AM - 07:55 AM	53.1	50.3
02:35 AM - 02:40 AM	49.5	45.6	05:15 AM - 05:20 AM	48.3	46.6	07:55 AM - 08:00 AM	55.3	50.5
02:40 AM - 02:45 AM	47.0	45.5	05:20 AM - 05:25 AM	49.4	47.2	08:00 AM - 08:05 AM	53.8	50.2
02:45 AM - 02:50 AM	46.4	45.4	05:25 AM - 05:30 AM	59.4	54.7	08:05 AM - 08:10 AM	52.8	49.4
02:50 AM - 02:55 AM	47.2	44.6	05:30 AM - 05:35 AM	60.1	56.5	08:10 AM - 08:15 AM	53.8	49.9
02:55 AM - 03:00 AM	49.6	44.8	05:35 AM - 05:40 AM	52.6	48.5	08:15 AM - 08:20 AM	56.6	51.4
03:00 AM - 03:05 AM	49.2	45.6	05:40 AM - 05:45 AM	50.7	47.7	08:20 AM - 08:25 AM	58.1	49.8
03:05 AM - 03:10 AM	49.0	44.9	05:45 AM - 05:50 AM	49.6	47.9	08:25 AM - 08:30 AM	54.1	49.4
03:10 AM - 03:15 AM	46.5	45.3	05:50 AM - 05:55 AM	52.2	48.9	08:30 AM - 08:35 AM	56.5	53.0
03:15 AM - 03:20 AM	46.6	45.4	05:55 AM - 06:00 AM	50.7	48.0	08:35 AM - 08:40 AM	54.3	50.3
03:20 AM - 03:25 AM	46.7	45.2	06:00 AM - 06:05 AM	53.3	49.6	08:40 AM - 08:45 AM	53.8	50.8
03:25 AM - 03:30 AM	47.0	45.2	06:05 AM - 06:10 AM	53.3	49.9	08:45 AM - 08:50 AM	55.1	50.9
03:30 AM - 03:35 AM	46.7	44.9	06:10 AM - 06:15 AM	52.0	49.7	08:50 AM - 08:55 AM	55.2	51.1
03:35 AM - 03:40 AM	47.0	45.3	06:15 AM - 06:20 AM	52.6	50.1	08:55 AM - 09:00 AM	53.7	49.5

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020708-1

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

Page 3 of 3

Sample Number : 2417320-7
Parameter : Noise Level (Leq 5 min)
Location : ฐานวัดโกลน (GPS 47P 0735038, 1405843)
Measurement Date : Jun 06 - Jun 07, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122578

Jun 07, 2024	Leq	L90	Jun 07, 2024	Leq	L90	Jun 07, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	53.4	50.4	11:40 AM - 11:45 AM	53.9	51.0	02:20 PM - 02:25 PM	53.5	50.7
09:05 AM - 09:10 AM	54.7	51.4	11:45 AM - 11:50 AM	53.4	49.8	02:25 PM - 02:30 PM	56.4	50.8
09:10 AM - 09:15 AM	54.3	51.4	11:50 AM - 11:55 AM	51.8	49.4	02:30 PM - 02:35 PM	58.8	51.2
09:15 AM - 09:20 AM	54.0	49.3	11:55 AM - 12:00 PM	54.7	50.1	02:35 PM - 02:40 PM	54.1	51.7
09:20 AM - 09:25 AM	51.7	49.0	12:00 PM - 12:05 PM	61.5	52.3	02:40 PM - 02:45 PM	56.0	50.1
09:25 AM - 09:30 AM	51.7	49.7	12:05 PM - 12:10 PM	60.4	52.9	02:45 PM - 02:50 PM	58.5	51.8
09:30 AM - 09:35 AM	52.9	49.6	12:10 PM - 12:15 PM	53.8	50.7	02:50 PM - 02:55 PM	55.0	51.0
09:35 AM - 09:40 AM	55.0	50.9	12:15 PM - 12:20 PM	54.5	52.0	02:55 PM - 03:00 PM	59.7	51.4
09:40 AM - 09:45 AM	53.8	49.5	12:20 PM - 12:25 PM	53.0	50.8	03:00 PM - 03:05 PM	60.1	53.3
09:45 AM - 09:50 AM	54.1	52.0	12:25 PM - 12:30 PM	53.6	50.8	03:05 PM - 03:10 PM	59.4	55.1
09:50 AM - 09:55 AM	53.1	49.8	12:30 PM - 12:35 PM	54.2	52.2	03:10 PM - 03:15 PM	58.5	55.0
09:55 AM - 10:00 AM	52.4	49.2	12:35 PM - 12:40 PM	54.2	51.6	03:15 PM - 03:20 PM	59.9	54.0
10:00 AM - 10:05 AM	53.9	50.1	12:40 PM - 12:45 PM	54.1	51.2	03:20 PM - 03:25 PM	57.8	56.5
10:05 AM - 10:10 AM	53.7	49.0	12:45 PM - 12:50 PM	54.0	51.8	03:25 PM - 03:30 PM	57.4	55.2
10:10 AM - 10:15 AM	52.6	49.7	12:50 PM - 12:55 PM	56.2	52.7	03:30 PM - 03:35 PM	57.6	56.1
10:15 AM - 10:20 AM	52.5	49.6	12:55 PM - 01:00 PM	55.8	52.4	03:35 PM - 03:40 PM	57.8	56.1
10:20 AM - 10:25 AM	51.8	49.4	01:00 PM - 01:05 PM	56.0	53.2	03:40 PM - 03:45 PM	57.6	53.1
10:25 AM - 10:30 AM	51.8	49.7	01:05 PM - 01:10 PM	57.5	54.6	03:45 PM - 03:50 PM	55.9	50.7
10:30 AM - 10:35 AM	53.4	50.4	01:10 PM - 01:15 PM	62.2	53.8	03:50 PM - 03:55 PM	55.7	51.0
10:35 AM - 10:40 AM	53.2	50.6	01:15 PM - 01:20 PM	54.7	50.7	03:55 PM - 04:00 PM	59.2	53.2
10:40 AM - 10:45 AM	53.4	50.5	01:20 PM - 01:25 PM	56.6	53.7	04:00 PM - 04:05 PM	60.0	56.7
10:45 AM - 10:50 AM	54.0	50.9	01:25 PM - 01:30 PM	58.3	51.9	04:05 PM - 04:10 PM	56.8	53.0
10:50 AM - 10:55 AM	52.4	49.7	01:30 PM - 01:35 PM	54.7	51.8	04:10 PM - 04:15 PM	55.0	52.3
10:55 AM - 11:00 AM	55.1	51.8	01:35 PM - 01:40 PM	54.3	51.7	04:15 PM - 04:20 PM	54.3	52.1
11:00 AM - 11:05 AM	53.7	51.1	01:40 PM - 01:45 PM	58.1	51.5	04:20 PM - 04:25 PM	53.4	51.5
11:05 AM - 11:10 AM	53.5	50.3	01:45 PM - 01:50 PM	53.8	52.0	04:25 PM - 04:30 PM	56.0	52.2
11:10 AM - 11:15 AM	53.8	50.2	01:50 PM - 01:55 PM	54.9	52.2	04:30 PM - 04:35 PM	56.1	53.4
11:15 AM - 11:20 AM	53.4	50.4	01:55 PM - 02:00 PM	54.7	51.5	04:35 PM - 04:40 PM	57.5	54.4
11:20 AM - 11:25 AM	52.9	50.7	02:00 PM - 02:05 PM	54.6	51.2	04:40 PM - 04:45 PM	60.0	55.8
11:25 AM - 11:30 AM	52.7	50.3	02:05 PM - 02:10 PM	53.5	51.1	04:45 PM - 04:50 PM	60.1	56.0
11:30 AM - 11:35 AM	53.6	50.0	02:10 PM - 02:15 PM	53.6	51.0	04:50 PM - 04:55 PM	57.3	54.7
11:35 AM - 11:40 AM	53.2	49.6	02:15 PM - 02:20 PM	54.1	50.2	04:55 PM - 05:00 PM	55.6	53.2

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020709-1

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

Page 1 of 3

Sample Number : 2417320-8
Parameter : Noise Level (Leq 5 min)
Location : หนองนาคราช-ถาวร (GPS 47P 0735531, 1402769)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

May 31, 2024	Leq	L90	May 31, 2024	Leq	L90	May 31 - Jun 01, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	56.3	52.5	07:40 PM - 07:45 PM	55.2	51.1	10:20 PM - 10:25 PM	55.9	47.4
05:05 PM - 05:10 PM	55.3	51.6	07:45 PM - 07:50 PM	54.1	50.3	10:25 PM - 10:30 PM	51.9	47.6
05:10 PM - 05:15 PM	59.9	52.5	07:50 PM - 07:55 PM	54.1	50.1	10:30 PM - 10:35 PM	58.5	48.6
05:15 PM - 05:20 PM	56.7	51.6	07:55 PM - 08:00 PM	54.4	51.0	10:35 PM - 10:40 PM	51.2	47.5
05:20 PM - 05:25 PM	55.9	51.4	08:00 PM - 08:05 PM	55.6	49.8	10:40 PM - 10:45 PM	53.4	47.6
05:25 PM - 05:30 PM	55.2	51.4	08:05 PM - 08:10 PM	53.6	50.5	10:45 PM - 10:50 PM	52.0	48.2
05:30 PM - 05:35 PM	56.4	51.3	08:10 PM - 08:15 PM	54.9	52.2	10:50 PM - 10:55 PM	54.4	46.9
05:35 PM - 05:40 PM	60.0	52.0	08:15 PM - 08:20 PM	55.7	50.7	10:55 PM - 11:00 PM	51.3	48.2
05:40 PM - 05:45 PM	59.3	51.2	08:20 PM - 08:25 PM	56.5	51.7	11:00 PM - 11:05 PM	54.7	46.6
05:45 PM - 05:50 PM	56.8	50.5	08:25 PM - 08:30 PM	53.3	49.5	11:05 PM - 11:10 PM	52.9	45.6
05:50 PM - 05:55 PM	57.2	51.2	08:30 PM - 08:35 PM	55.1	49.5	11:10 PM - 11:15 PM	53.6	46.6
05:55 PM - 06:00 PM	56.0	51.7	08:35 PM - 08:40 PM	57.1	49.8	11:15 PM - 11:20 PM	49.8	46.4
06:00 PM - 06:05 PM	53.4	49.9	08:40 PM - 08:45 PM	53.3	49.1	11:20 PM - 11:25 PM	50.2	45.9
06:05 PM - 06:10 PM	54.5	50.8	08:45 PM - 08:50 PM	52.7	48.7	11:25 PM - 11:30 PM	49.3	46.1
06:10 PM - 06:15 PM	54.4	50.4	08:50 PM - 08:55 PM	53.1	49.1	11:30 PM - 11:35 PM	50.7	46.5
06:15 PM - 06:20 PM	57.0	51.2	08:55 PM - 09:00 PM	54.8	48.9	11:35 PM - 11:40 PM	53.5	44.6
06:20 PM - 06:25 PM	56.9	51.0	09:00 PM - 09:05 PM	59.6	50.6	11:40 PM - 11:45 PM	50.6	46.2
06:25 PM - 06:30 PM	54.3	50.8	09:05 PM - 09:10 PM	54.7	48.1	11:45 PM - 11:50 PM	50.3	45.7
06:30 PM - 06:35 PM	57.5	52.1	09:10 PM - 09:15 PM	52.6	50.1	11:50 PM - 11:55 PM	50.6	45.2
06:35 PM - 06:40 PM	55.1	50.6	09:15 PM - 09:20 PM	58.4	50.1	11:55 PM - 12:00 AM	51.7	46.3
06:40 PM - 06:45 PM	57.1	49.6	09:20 PM - 09:25 PM	53.6	48.8	12:00 AM - 12:05 AM	54.3	46.1
06:45 PM - 06:50 PM	56.8	50.8	09:25 PM - 09:30 PM	52.7	47.8	12:05 AM - 12:10 AM	52.8	47.1
06:50 PM - 06:55 PM	55.9	51.7	09:30 PM - 09:35 PM	50.4	47.1	12:10 AM - 12:15 AM	54.9	47.4
06:55 PM - 07:00 PM	54.1	51.0	09:35 PM - 09:40 PM	52.6	49.9	12:15 AM - 12:20 AM	50.1	46.3
07:00 PM - 07:05 PM	55.4	50.9	09:40 PM - 09:45 PM	56.7	48.5	12:20 AM - 12:25 AM	50.5	46.2
07:05 PM - 07:10 PM	55.5	51.4	09:45 PM - 09:50 PM	54.2	50.0	12:25 AM - 12:30 AM	50.7	47.6
07:10 PM - 07:15 PM	52.9	49.2	09:50 PM - 09:55 PM	56.2	49.0	12:30 AM - 12:35 AM	51.4	46.7
07:15 PM - 07:20 PM	54.9	50.7	09:55 PM - 10:00 PM	58.1	47.9	12:35 AM - 12:40 AM	51.8	47.1
07:20 PM - 07:25 PM	57.5	56.0	10:00 PM - 10:05 PM	53.5	49.0	12:40 AM - 12:45 AM	50.7	46.4
07:25 PM - 07:30 PM	56.8	50.7	10:05 PM - 10:10 PM	54.5	48.6	12:45 AM - 12:50 AM	47.9	44.7
07:30 PM - 07:35 PM	54.7	50.1	10:10 PM - 10:15 PM	54.6	46.4	12:50 AM - 12:55 AM	46.5	43.9
07:35 PM - 07:40 PM	57.6	50.4	10:15 PM - 10:20 PM	54.8	47.3	12:55 AM - 01:00 AM	53.9	43.4

Approved by

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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020709-1

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

Page 2 of 3

Sample Number : 2417320-8
Parameter : Noise Level (Leq 5 min)
Location : หนองนาคราช-ถาวร (GPS 47P 0735531, 1402769)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 01, 2024	Leq	L90	Jun 01, 2024	Leq	L90	Jun 01, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	47.4	43.1	03:40 AM - 03:45 AM	51.9	43.8	06:20 AM - 06:25 AM	57.2	51.2
01:05 AM - 01:10 AM	49.7	42.9	03:45 AM - 03:50 AM	47.5	44.5	06:25 AM - 06:30 AM	55.5	48.5
01:10 AM - 01:15 AM	48.0	43.5	03:50 AM - 03:55 AM	45.5	42.6	06:30 AM - 06:35 AM	55.8	51.4
01:15 AM - 01:20 AM	48.5	44.0	03:55 AM - 04:00 AM	59.3	43.4	06:35 AM - 06:40 AM	56.5	50.7
01:20 AM - 01:25 AM	46.8	43.9	04:00 AM - 04:05 AM	48.9	43.2	06:40 AM - 06:45 AM	56.6	50.6
01:25 AM - 01:30 AM	50.2	43.7	04:05 AM - 04:10 AM	59.2	52.3	06:45 AM - 06:50 AM	55.4	48.5
01:30 AM - 01:35 AM	49.6	44.4	04:10 AM - 04:15 AM	58.1	47.6	06:50 AM - 06:55 AM	54.2	48.8
01:35 AM - 01:40 AM	45.8	44.1	04:15 AM - 04:20 AM	59.9	45.2	06:55 AM - 07:00 AM	59.0	52.4
01:40 AM - 01:45 AM	47.5	44.6	04:20 AM - 04:25 AM	57.4	44.2	07:00 AM - 07:05 AM	55.2	50.4
01:45 AM - 01:50 AM	54.2	44.6	04:25 AM - 04:30 AM	58.1	45.0	07:05 AM - 07:10 AM	56.7	53.7
01:50 AM - 01:55 AM	50.9	44.2	04:30 AM - 04:35 AM	57.5	45.7	07:10 AM - 07:15 AM	56.3	51.5
01:55 AM - 02:00 AM	50.1	44.1	04:35 AM - 04:40 AM	58.6	44.9	07:15 AM - 07:20 AM	55.5	50.9
02:00 AM - 02:05 AM	47.5	43.7	04:40 AM - 04:45 AM	57.9	43.6	07:20 AM - 07:25 AM	59.5	50.6
02:05 AM - 02:10 AM	50.5	42.8	04:45 AM - 04:50 AM	58.8	44.6	07:25 AM - 07:30 AM	55.5	50.0
02:10 AM - 02:15 AM	50.3	44.2	04:50 AM - 04:55 AM	55.3	43.8	07:30 AM - 07:35 AM	56.4	49.8
02:15 AM - 02:20 AM	47.7	43.8	04:55 AM - 05:00 AM	59.6	44.5	07:35 AM - 07:40 AM	56.1	50.0
02:20 AM - 02:25 AM	48.0	44.5	05:00 AM - 05:05 AM	55.5	43.3	07:40 AM - 07:45 AM	58.2	51.3
02:25 AM - 02:30 AM	46.2	44.0	05:05 AM - 05:10 AM	57.1	45.0	07:45 AM - 07:50 AM	55.1	47.9
02:30 AM - 02:35 AM	56.5	44.3	05:10 AM - 05:15 AM	57.4	45.2	07:50 AM - 07:55 AM	54.6	49.9
02:35 AM - 02:40 AM	48.8	44.3	05:15 AM - 05:20 AM	60.2	48.7	07:55 AM - 08:00 AM	53.5	47.8
02:40 AM - 02:45 AM	47.8	44.1	05:20 AM - 05:25 AM	56.3	48.2	08:00 AM - 08:05 AM	58.6	52.5
02:45 AM - 02:50 AM	46.8	43.6	05:25 AM - 05:30 AM	57.0	48.9	08:05 AM - 08:10 AM	59.1	51.9
02:50 AM - 02:55 AM	46.7	43.7	05:30 AM - 05:35 AM	55.4	48.2	08:10 AM - 08:15 AM	53.3	49.2
02:55 AM - 03:00 AM	56.1	43.9	05:35 AM - 05:40 AM	54.1	48.2	08:15 AM - 08:20 AM	57.2	51.6
03:00 AM - 03:05 AM	59.1	42.7	05:40 AM - 05:45 AM	58.1	50.5	08:20 AM - 08:25 AM	58.8	53.7
03:05 AM - 03:10 AM	46.6	43.4	05:45 AM - 05:50 AM	55.7	48.5	08:25 AM - 08:30 AM	59.7	54.4
03:10 AM - 03:15 AM	47.2	43.0	05:50 AM - 05:55 AM	60.7	51.7	08:30 AM - 08:35 AM	60.4	53.2
03:15 AM - 03:20 AM	52.1	43.3	05:55 AM - 06:00 AM	55.1	49.7	08:35 AM - 08:40 AM	61.0	56.9
03:20 AM - 03:25 AM	48.1	43.1	06:00 AM - 06:05 AM	58.6	51.6	08:40 AM - 08:45 AM	59.5	56.2
03:25 AM - 03:30 AM	48.0	44.1	06:05 AM - 06:10 AM	56.9	49.0	08:45 AM - 08:50 AM	54.5	49.0
03:30 AM - 03:35 AM	50.1	43.9	06:10 AM - 06:15 AM	61.6	50.7	08:50 AM - 08:55 AM	57.9	49.0
03:35 AM - 03:40 AM	59.3	43.7	06:15 AM - 06:20 AM	60.3	50.5	08:55 AM - 09:00 AM	53.6	48.2

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020709-1

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

Page 3 of 3

Sample Number : 2417320-8
Parameter : Noise Level (Leq 5 min)
Location : หนองผาคา-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 01, 2024	Leq	L90	Jun 01, 2024	Leq	L90	Jun 01, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	53.9	48.9	11:40 AM - 11:45 AM	55.0	47.5	02:20 PM - 02:25 PM	53.7	50.1
09:05 AM - 09:10 AM	55.5	48.9	11:45 AM - 11:50 AM	55.5	51.1	02:25 PM - 02:30 PM	60.5	50.7
09:10 AM - 09:15 AM	53.3	48.4	11:50 AM - 11:55 AM	57.1	52.2	02:30 PM - 02:35 PM	56.0	50.7
09:15 AM - 09:20 AM	57.9	50.3	11:55 AM - 12:00 PM	55.9	51.5	02:35 PM - 02:40 PM	57.2	50.1
09:20 AM - 09:25 AM	57.9	49.2	12:00 PM - 12:05 PM	54.8	49.8	02:40 PM - 02:45 PM	56.8	54.8
09:25 AM - 09:30 AM	51.9	48.8	12:05 PM - 12:10 PM	53.9	49.3	02:45 PM - 02:50 PM	56.2	54.5
09:30 AM - 09:35 AM	51.8	48.5	12:10 PM - 12:15 PM	52.3	47.1	02:50 PM - 02:55 PM	57.9	52.7
09:35 AM - 09:40 AM	55.0	49.6	12:15 PM - 12:20 PM	52.4	47.8	02:55 PM - 03:00 PM	53.5	50.6
09:40 AM - 09:45 AM	55.2	50.6	12:20 PM - 12:25 PM	50.7	46.5	03:00 PM - 03:05 PM	54.6	49.1
09:45 AM - 09:50 AM	54.5	49.1	12:25 PM - 12:30 PM	53.4	47.7	03:05 PM - 03:10 PM	59.2	47.5
09:50 AM - 09:55 AM	57.1	50.1	12:30 PM - 12:35 PM	53.5	46.8	03:10 PM - 03:15 PM	55.4	48.7
09:55 AM - 10:00 AM	53.0	48.9	12:35 PM - 12:40 PM	55.6	48.5	03:15 PM - 03:20 PM	53.3	47.2
10:00 AM - 10:05 AM	54.6	48.3	12:40 PM - 12:45 PM	58.0	47.9	03:20 PM - 03:25 PM	54.0	49.5
10:05 AM - 10:10 AM	57.4	48.9	12:45 PM - 12:50 PM	54.8	48.2	03:25 PM - 03:30 PM	53.7	48.6
10:10 AM - 10:15 AM	59.5	48.6	12:50 PM - 12:55 PM	52.5	47.7	03:30 PM - 03:35 PM	54.4	49.2
10:15 AM - 10:20 AM	53.4	47.2	12:55 PM - 01:00 PM	54.3	49.0	03:35 PM - 03:40 PM	60.4	51.4
10:20 AM - 10:25 AM	52.6	48.5	01:00 PM - 01:05 PM	53.3	47.4	03:40 PM - 03:45 PM	52.8	49.0
10:25 AM - 10:30 AM	53.1	47.5	01:05 PM - 01:10 PM	53.2	48.4	03:45 PM - 03:50 PM	55.7	50.4
10:30 AM - 10:35 AM	51.4	48.2	01:10 PM - 01:15 PM	54.9	45.6	03:50 PM - 03:55 PM	60.1	50.1
10:35 AM - 10:40 AM	53.5	48.8	01:15 PM - 01:20 PM	53.7	45.7	03:55 PM - 04:00 PM	55.4	52.1
10:40 AM - 10:45 AM	53.0	48.8	01:20 PM - 01:25 PM	52.4	47.5	04:00 PM - 04:05 PM	54.8	50.0
10:45 AM - 10:50 AM	51.4	47.9	01:25 PM - 01:30 PM	52.6	46.1	04:05 PM - 04:10 PM	55.1	51.6
10:50 AM - 10:55 AM	53.4	48.4	01:30 PM - 01:35 PM	52.7	48.8	04:10 PM - 04:15 PM	56.3	51.3
10:55 AM - 11:00 AM	52.9	47.7	01:35 PM - 01:40 PM	56.2	49.8	04:15 PM - 04:20 PM	56.0	51.5
11:00 AM - 11:05 AM	53.7	48.3	01:40 PM - 01:45 PM	55.8	46.9	04:20 PM - 04:25 PM	58.2	52.2
11:05 AM - 11:10 AM	52.7	48.4	01:45 PM - 01:50 PM	56.6	48.0	04:25 PM - 04:30 PM	57.4	53.2
11:10 AM - 11:15 AM	56.3	50.4	01:50 PM - 01:55 PM	53.4	49.8	04:30 PM - 04:35 PM	57.6	52.5
11:15 AM - 11:20 AM	59.6	50.3	01:55 PM - 02:00 PM	54.1	48.8	04:35 PM - 04:40 PM	56.4	52.2
11:20 AM - 11:25 AM	55.0	48.4	02:00 PM - 02:05 PM	52.7	47.8	04:40 PM - 04:45 PM	60.2	51.9
11:25 AM - 11:30 AM	52.9	48.0	02:05 PM - 02:10 PM	50.8	45.8	04:45 PM - 04:50 PM	58.2	52.6
11:30 AM - 11:35 AM	56.1	49.6	02:10 PM - 02:15 PM	52.0	48.0	04:50 PM - 04:55 PM	60.9	52.1
11:35 AM - 11:40 AM	53.4	48.2	02:15 PM - 02:20 PM	55.0	51.5	04:55 PM - 05:00 PM	55.0	51.2

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Approved by


Sarayuth Jittrantont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020710-1

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

Page 1 of 3

Sample Number : 2417320-9
Parameter : Noise Level (Leq 5 min)
Location : หนองผาคา-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date : Jun 01 - Jun 02, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 01, 2024	Leq	L90	Jun 01, 2024	Leq	L90	Jun 01 - Jun 02, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	55.9	52.1	07:40 PM - 07:45 PM	54.1	47.9	10:20 PM - 10:25 PM	55.2	53.1
05:05 PM - 05:10 PM	58.3	52.3	07:45 PM - 07:50 PM	57.7	51.4	10:25 PM - 10:30 PM	58.6	57.3
05:10 PM - 05:15 PM	58.7	52.5	07:50 PM - 07:55 PM	55.1	50.0	10:30 PM - 10:35 PM	59.4	57.5
05:15 PM - 05:20 PM	55.9	51.9	07:55 PM - 08:00 PM	53.9	49.6	10:35 PM - 10:40 PM	58.3	56.9
05:20 PM - 05:25 PM	56.0	51.1	08:00 PM - 08:05 PM	56.8	51.6	10:40 PM - 10:45 PM	59.9	57.4
05:25 PM - 05:30 PM	57.8	52.3	08:05 PM - 08:10 PM	56.6	50.4	10:45 PM - 10:50 PM	58.8	56.7
05:30 PM - 05:35 PM	57.4	51.8	08:10 PM - 08:15 PM	56.0	51.6	10:50 PM - 10:55 PM	59.6	57.8
05:35 PM - 05:40 PM	56.0	51.5	08:15 PM - 08:20 PM	54.1	50.4	10:55 PM - 11:00 PM	59.5	58.4
05:40 PM - 05:45 PM	62.9	53.6	08:20 PM - 08:25 PM	55.7	50.4	11:00 PM - 11:05 PM	59.2	58.1
05:45 PM - 05:50 PM	55.9	52.8	08:25 PM - 08:30 PM	54.1	51.1	11:05 PM - 11:10 PM	58.6	57.5
05:50 PM - 05:55 PM	54.9	51.2	08:30 PM - 08:35 PM	54.0	50.0	11:10 PM - 11:15 PM	58.3	56.7
05:55 PM - 06:00 PM	56.0	51.1	08:35 PM - 08:40 PM	54.0	50.1	11:15 PM - 11:20 PM	57.7	56.7
06:00 PM - 06:05 PM	57.2	51.0	08:40 PM - 08:45 PM	55.3	51.1	11:20 PM - 11:25 PM	57.6	56.2
06:05 PM - 06:10 PM	55.4	51.3	08:45 PM - 08:50 PM	53.3	50.2	11:25 PM - 11:30 PM	55.3	53.9
06:10 PM - 06:15 PM	53.7	49.6	08:50 PM - 08:55 PM	54.0	50.7	11:30 PM - 11:35 PM	54.7	51.5
06:15 PM - 06:20 PM	55.8	50.3	08:55 PM - 09:00 PM	54.9	47.9	11:35 PM - 11:40 PM	54.5	52.3
06:20 PM - 06:25 PM	54.6	50.6	09:00 PM - 09:05 PM	50.1	47.5	11:40 PM - 11:45 PM	55.0	53.5
06:25 PM - 06:30 PM	56.9	50.6	09:05 PM - 09:10 PM	50.5	46.4	11:45 PM - 11:50 PM	56.5	55.3
06:30 PM - 06:35 PM	57.8	51.0	09:10 PM - 09:15 PM	55.8	48.3	11:50 PM - 11:55 PM	58.3	57.5
06:35 PM - 06:40 PM	58.3	52.3	09:15 PM - 09:20 PM	55.9	47.9	11:55 PM - 12:00 AM	60.9	59.0
06:40 PM - 06:45 PM	55.9	50.5	09:20 PM - 09:25 PM	51.5	47.5	12:00 AM - 12:05 AM	63.9	62.2
06:45 PM - 06:50 PM	60.7	50.1	09:25 PM - 09:30 PM	58.0	50.7	12:05 AM - 12:10 AM	65.5	64.9
06:50 PM - 06:55 PM	57.4	51.4	09:30 PM - 09:35 PM	55.6	53.5	12:10 AM - 12:15 AM	64.9	63.7
06:55 PM - 07:00 PM	54.1	50.1	09:35 PM - 09:40 PM	56.1	53.4	12:15 AM - 12:20 AM	64.5	63.1
07:00 PM - 07:05 PM	55.0	49.4	09:40 PM - 09:45 PM	56.5	54.7	12:20 AM - 12:25 AM	63.6	62.7
07:05 PM - 07:10 PM	55.1	49.6	09:45 PM - 09:50 PM	57.6	55.7	12:25 AM - 12:30 AM	63.4	62.2
07:10 PM - 07:15 PM	55.5	49.4	09:50 PM - 09:55 PM	58.3	57.1	12:30 AM - 12:35 AM	65.5	64.3
07:15 PM - 07:20 PM	54.5	50.1	09:55 PM - 10:00 PM	58.4	57.2	12:35 AM - 12:40 AM	65.1	63.7
07:20 PM - 07:25 PM	56.3	48.2	10:00 PM - 10:05 PM	56.6	54.8	12:40 AM - 12:45 AM	61.6	57.0
07:25 PM - 07:30 PM	56.6	48.4	10:05 PM - 10:10 PM	53.7	52.1	12:45 AM - 12:50 AM	56.8	54.9
07:30 PM - 07:35 PM	54.4	48.6	10:10 PM - 10:15 PM	53.4	51.2	12:50 AM - 12:55 AM	59.3	57.2
07:35 PM - 07:40 PM	53.5	49.5	10:15 PM - 10:20 PM	54.6	51.9	12:55 AM - 01:00 AM	61.7	58.2

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Approved by


Sarayuth Jittrantont
Assistant General Manager

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Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417320

Date Received :Jun 10, 2024

Date Reported :Jun 12, 2024

Report Number : 3020710-1

Page 2 of 3

Sample Number 2417320-9
Parameter Noise Level (Leq 5 min)
Location หนองนาคราช-ธาราประทุม (GPS 47P 0735531, 1402769)
Measurement Date Jun 01 - Jun 02, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122567

Jun 02, 2024	Leq	L90	Jun 02, 2024	Leq	L90	Jun 02, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	62.4	61.4	03:40 AM - 03:45 AM	51.8	49.1	06:20 AM - 06:25 AM	60.4	53.0
01:05 AM - 01:10 AM	63.5	62.0	03:45 AM - 03:50 AM	50.9	47.9	06:25 AM - 06:30 AM	59.5	53.0
01:10 AM - 01:15 AM	60.4	59.8	03:50 AM - 03:55 AM	62.0	59.5	06:30 AM - 06:35 AM	59.1	52.5
01:15 AM - 01:20 AM	59.4	58.4	03:55 AM - 04:00 AM	60.9	59.6	06:35 AM - 06:40 AM	57.5	52.4
01:20 AM - 01:25 AM	57.1	55.3	04:00 AM - 04:05 AM	62.3	61.6	06:40 AM - 06:45 AM	59.6	51.9
01:25 AM - 01:30 AM	55.8	54.2	04:05 AM - 04:10 AM	64.5	62.9	06:45 AM - 06:50 AM	60.6	51.8
01:30 AM - 01:35 AM	59.0	56.2	04:10 AM - 04:15 AM	62.9	62.3	06:50 AM - 06:55 AM	59.8	51.7
01:35 AM - 01:40 AM	55.4	53.9	04:15 AM - 04:20 AM	62.7	62.0	06:55 AM - 07:00 AM	57.8	51.6
01:40 AM - 01:45 AM	58.4	56.0	04:20 AM - 04:25 AM	63.4	61.4	07:00 AM - 07:05 AM	58.1	53.2
01:45 AM - 01:50 AM	63.6	59.9	04:25 AM - 04:30 AM	62.8	60.5	07:05 AM - 07:10 AM	60.6	52.7
01:50 AM - 01:55 AM	63.0	60.2	04:30 AM - 04:35 AM	61.5	58.6	07:10 AM - 07:15 AM	59.6	52.4
01:55 AM - 02:00 AM	59.6	54.3	04:35 AM - 04:40 AM	58.6	56.5	07:15 AM - 07:20 AM	58.9	51.8
02:00 AM - 02:05 AM	53.6	51.9	04:40 AM - 04:45 AM	57.2	56.3	07:20 AM - 07:25 AM	58.4	51.0
02:05 AM - 02:10 AM	56.7	54.4	04:45 AM - 04:50 AM	61.4	55.8	07:25 AM - 07:30 AM	59.5	51.5
02:10 AM - 02:15 AM	58.1	56.5	04:50 AM - 04:55 AM	62.3	55.7	07:30 AM - 07:35 AM	58.7	52.8
02:15 AM - 02:20 AM	59.3	58.6	04:55 AM - 05:00 AM	61.3	54.8	07:35 AM - 07:40 AM	62.0	51.0
02:20 AM - 02:25 AM	61.1	58.6	05:00 AM - 05:05 AM	55.1	53.7	07:40 AM - 07:45 AM	57.9	51.9
02:25 AM - 02:30 AM	60.0	58.7	05:05 AM - 05:10 AM	62.4	52.5	07:45 AM - 07:50 AM	54.3	48.8
02:30 AM - 02:35 AM	61.4	60.7	05:10 AM - 05:15 AM	52.7	50.0	07:50 AM - 07:55 AM	58.0	49.1
02:35 AM - 02:40 AM	63.6	62.0	05:15 AM - 05:20 AM	51.8	48.8	07:55 AM - 08:00 AM	56.0	49.9
02:40 AM - 02:45 AM	62.0	61.4	05:20 AM - 05:25 AM	62.9	60.4	08:00 AM - 08:05 AM	54.8	49.4
02:45 AM - 02:50 AM	61.8	61.1	05:25 AM - 05:30 AM	61.8	60.5	08:05 AM - 08:10 AM	58.4	50.9
02:50 AM - 02:55 AM	62.5	60.5	05:30 AM - 05:35 AM	63.2	62.5	08:10 AM - 08:15 AM	57.7	50.8
02:55 AM - 03:00 AM	61.9	59.6	05:35 AM - 05:40 AM	57.5	50.7	08:15 AM - 08:20 AM	58.1	49.6
03:00 AM - 03:05 AM	60.6	57.7	05:40 AM - 05:45 AM	59.3	50.9	08:20 AM - 08:25 AM	53.7	49.0
03:05 AM - 03:10 AM	57.7	55.6	05:45 AM - 05:50 AM	59.4	51.1	08:25 AM - 08:30 AM	55.0	47.8
03:10 AM - 03:15 AM	56.3	55.4	05:50 AM - 05:55 AM	64.8	52.5	08:30 AM - 08:35 AM	52.1	47.1
03:15 AM - 03:20 AM	60.5	54.9	05:55 AM - 06:00 AM	58.2	50.5	08:35 AM - 08:40 AM	55.4	47.8
03:20 AM - 03:25 AM	61.4	54.8	06:00 AM - 06:05 AM	57.0	51.2	08:40 AM - 08:45 AM	52.4	47.3
03:25 AM - 03:30 AM	60.4	53.9	06:05 AM - 06:10 AM	56.6	49.8	08:45 AM - 08:50 AM	54.0	48.5
03:30 AM - 03:35 AM	54.2	52.8	06:10 AM - 06:15 AM	55.7	51.0	08:50 AM - 08:55 AM	58.3	47.9
03:35 AM - 03:40 AM	61.5	51.6	06:15 AM - 06:20 AM	60.0	53.8	08:55 AM - 09:00 AM	57.2	47.9

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Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

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

P/O : 4515911846

Project Name : Environmental Quality Monitoring

Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2417320

Date Received :Jun 10, 2024

Date Reported :Jun 12, 2024

Report Number : 3020710-1

Page 3 of 3

Sample Number 2417320-9
Parameter Noise Level (Leq 5 min)
Location หนองนาคราช-ธาราประทุม (GPS 47P 0735531, 1402769)
Measurement Date Jun 01 - Jun 02, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122567

Jun 02, 2024	Leq	L90	Jun 02, 2024	Leq	L90	Jun 02, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	53.5	48.3	11:40 AM - 11:45 AM	59.3	49.9	02:20 PM - 02:25 PM	52.3	46.6
09:05 AM - 09:10 AM	55.4	47.9	11:45 AM - 11:50 AM	55.1	49.8	02:25 PM - 02:30 PM	51.4	46.6
09:10 AM - 09:15 AM	51.9	47.4	11:50 AM - 11:55 AM	52.9	47.7	02:30 PM - 02:35 PM	58.5	45.3
09:15 AM - 09:20 AM	53.2	47.5	11:55 AM - 12:00 PM	53.9	49.6	02:35 PM - 02:40 PM	51.5	46.4
09:20 AM - 09:25 AM	53.7	46.4	12:00 PM - 12:05 PM	53.7	48.0	02:40 PM - 02:45 PM	52.7	47.0
09:25 AM - 09:30 AM	61.1	51.9	12:05 PM - 12:10 PM	51.3	46.7	02:45 PM - 02:50 PM	53.0	44.9
09:30 AM - 09:35 AM	61.7	52.8	12:10 PM - 12:15 PM	56.1	47.3	02:50 PM - 02:55 PM	51.4	45.9
09:35 AM - 09:40 AM	50.6	46.0	12:15 PM - 12:20 PM	53.2	48.9	02:55 PM - 03:00 PM	54.0	45.9
09:40 AM - 09:45 AM	56.5	46.5	12:20 PM - 12:25 PM	54.2	47.9	03:00 PM - 03:05 PM	52.1	46.9
09:45 AM - 09:50 AM	53.1	48.0	12:25 PM - 12:30 PM	54.5	48.8	03:05 PM - 03:10 PM	51.9	45.5
09:50 AM - 09:55 AM	52.1	46.6	12:30 PM - 12:35 PM	51.3	47.1	03:10 PM - 03:15 PM	51.8	45.8
09:55 AM - 10:00 AM	51.8	47.3	12:35 PM - 12:40 PM	55.4	48.6	03:15 PM - 03:20 PM	50.0	45.1
10:00 AM - 10:05 AM	52.3	47.1	12:40 PM - 12:45 PM	55.9	50.0	03:20 PM - 03:25 PM	53.8	47.1
10:05 AM - 10:10 AM	53.1	47.7	12:45 PM - 12:50 PM	54.1	48.4	03:25 PM - 03:30 PM	50.4	44.9
10:10 AM - 10:15 AM	51.7	47.6	12:50 PM - 12:55 PM	53.8	47.9	03:30 PM - 03:35 PM	59.7	47.2
10:15 AM - 10:20 AM	55.1	48.8	12:55 PM - 01:00 PM	58.7	51.0	03:35 PM - 03:40 PM	58.7	45.8
10:20 AM - 10:25 AM	53.7	49.2	01:00 PM - 01:05 PM	54.5	50.3	03:40 PM - 03:45 PM	56.6	48.5
10:25 AM - 10:30 AM	55.5	50.3	01:05 PM - 01:10 PM	52.5	47.4	03:45 PM - 03:50 PM	52.8	47.8
10:30 AM - 10:35 AM	53.7	48.5	01:10 PM - 01:15 PM	60.5	49.1	03:50 PM - 03:55 PM	58.2	47.8
10:35 AM - 10:40 AM	55.1	48.3	01:15 PM - 01:20 PM	56.7	48.2	03:55 PM - 04:00 PM	55.2	47.9
10:40 AM - 10:45 AM	58.9	49.5	01:20 PM - 01:25 PM	53.6	48.1	04:00 PM - 04:05 PM	54.7	47.9
10:45 AM - 10:50 AM	53.7	47.5	01:25 PM - 01:30 PM	52.7	47.8	04:05 PM - 04:10 PM	57.5	49.8
10:50 AM - 10:55 AM	54.7	47.1	01:30 PM - 01:35 PM	52.7	47.8	04:10 PM - 04:15 PM	62.2	48.8
10:55 AM - 11:00 AM	61.8	49.6	01:35 PM - 01:40 PM	54.5	49.2	04:15 PM - 04:20 PM	63.0	49.6
11:00 AM - 11:05 AM	53.9	49.5	01:40 PM - 01:45 PM	53.7	47.1	04:20 PM - 04:25 PM	54.3	50.1
11:05 AM - 11:10 AM	55.1	48.3	01:45 PM - 01:50 PM	53.9	48.3	04:25 PM - 04:30 PM	54.6	50.3
11:10 AM - 11:15 AM	56.3	49.0	01:50 PM - 01:55 PM	52.0	47.2	04:30 PM - 04:35 PM	55.1	49.7
11:15 AM - 11:20 AM	55.3	49.4	01:55 PM - 02:00 PM	53.0	47.2	04:35 PM - 04:40 PM	55.3	50.2
11:20 AM - 11:25 AM	54.9	49.3	02:00 PM - 02:05 PM	53.2	47.4	04:40 PM - 04:45 PM	54.9	50.5
11:25 AM - 11:30 AM	57.6	49.7	02:05 PM - 02:10 PM	52.4	46.8	04:45 PM - 04:50 PM	56.9	50.1
11:30 AM - 11:35 AM	59.0	49.8	02:10 PM - 02:15 PM	55.5	47.9	04:50 PM - 04:55 PM	57.0	51.2
11:35 AM - 11:40 AM	59.0	48.8	02:15 PM - 02:20 PM	55.0	48.0	04:55 PM - 05:00 PM	54.8	50.8

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020711-1

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

Page 1 of 3

Sample Number : 2417320-10
Parameter : Noise Level (Leq 5 min)
Location : หนองนาคราช-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date : Jun 02 - Jun 03, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 02, 2024			Jun 02, 2024			Jun 02 - Jun 03, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	55.3	51.7	07:40 PM - 07:45 PM	59.6	54.2	10:20 PM - 10:25 PM	53.5	50.3
05:05 PM - 05:10 PM	54.8	50.6	07:45 PM - 07:50 PM	60.4	56.3	10:25 PM - 10:30 PM	60.8	50.9
05:10 PM - 05:15 PM	56.6	51.6	07:50 PM - 07:55 PM	57.5	53.8	10:30 PM - 10:35 PM	55.2	51.6
05:15 PM - 05:20 PM	53.6	49.6	07:55 PM - 08:00 PM	59.3	55.4	10:35 PM - 10:40 PM	57.0	51.8
05:20 PM - 05:25 PM	55.5	51.1	08:00 PM - 08:05 PM	57.4	55.3	10:40 PM - 10:45 PM	54.6	50.6
05:25 PM - 05:30 PM	58.2	54.1	08:05 PM - 08:10 PM	56.9	54.3	10:45 PM - 10:50 PM	54.9	50.4
05:30 PM - 05:35 PM	56.4	52.0	08:10 PM - 08:15 PM	58.5	54.1	10:50 PM - 10:55 PM	53.4	48.6
05:35 PM - 05:40 PM	59.0	51.7	08:15 PM - 08:20 PM	58.7	53.5	10:55 PM - 11:00 PM	58.7	49.8
05:40 PM - 05:45 PM	55.6	51.3	08:20 PM - 08:25 PM	58.8	53.7	11:00 PM - 11:05 PM	55.6	49.7
05:45 PM - 05:50 PM	57.3	52.0	08:25 PM - 08:30 PM	57.2	52.6	11:05 PM - 11:10 PM	57.4	50.3
05:50 PM - 05:55 PM	56.0	51.2	08:30 PM - 08:35 PM	56.6	50.0	11:10 PM - 11:15 PM	52.2	49.1
05:55 PM - 06:00 PM	57.8	51.5	08:35 PM - 08:40 PM	55.5	50.4	11:15 PM - 11:20 PM	53.8	49.8
06:00 PM - 06:05 PM	57.0	51.7	08:40 PM - 08:45 PM	57.6	50.3	11:20 PM - 11:25 PM	56.2	50.2
06:05 PM - 06:10 PM	56.6	51.9	08:45 PM - 08:50 PM	54.5	49.7	11:25 PM - 11:30 PM	55.1	49.0
06:10 PM - 06:15 PM	57.7	52.7	08:50 PM - 08:55 PM	53.2	49.0	11:30 PM - 11:35 PM	56.8	49.8
06:15 PM - 06:20 PM	55.5	51.5	08:55 PM - 09:00 PM	55.1	50.9	11:35 PM - 11:40 PM	53.5	49.7
06:20 PM - 06:25 PM	56.4	51.1	09:00 PM - 09:05 PM	56.2	50.9	11:40 PM - 11:45 PM	55.6	49.1
06:25 PM - 06:30 PM	56.0	50.7	09:05 PM - 09:10 PM	64.0	50.6	11:45 PM - 11:50 PM	59.3	49.8
06:30 PM - 06:35 PM	57.3	52.7	09:10 PM - 09:15 PM	57.4	50.9	11:50 PM - 11:55 PM	57.6	50.3
06:35 PM - 06:40 PM	56.6	52.7	09:15 PM - 09:20 PM	56.1	51.3	11:55 PM - 12:00 AM	53.6	50.5
06:40 PM - 06:45 PM	57.6	53.3	09:20 PM - 09:25 PM	52.6	48.9	12:00 AM - 12:05 AM	54.4	49.9
06:45 PM - 06:50 PM	56.7	52.6	09:25 PM - 09:30 PM	63.9	50.8	12:05 AM - 12:10 AM	58.8	52.2
06:50 PM - 06:55 PM	57.6	53.9	09:30 PM - 09:35 PM	58.7	53.1	12:10 AM - 12:15 AM	55.5	52.2
06:55 PM - 07:00 PM	58.0	53.1	09:35 PM - 09:40 PM	56.5	51.7	12:15 AM - 12:20 AM	57.6	51.6
07:00 PM - 07:05 PM	62.7	53.3	09:40 PM - 09:45 PM	57.9	51.2	12:20 AM - 12:25 AM	56.0	49.5
07:05 PM - 07:10 PM	56.5	51.5	09:45 PM - 09:50 PM	55.4	50.6	12:25 AM - 12:30 AM	56.4	49.1
07:10 PM - 07:15 PM	55.7	51.2	09:50 PM - 09:55 PM	58.7	50.2	12:30 AM - 12:35 AM	54.2	47.8
07:15 PM - 07:20 PM	55.4	50.6	09:55 PM - 10:00 PM	56.3	50.7	12:35 AM - 12:40 AM	51.5	46.8
07:20 PM - 07:25 PM	59.2	53.3	10:00 PM - 10:05 PM	56.4	51.8	12:40 AM - 12:45 AM	52.7	48.1
07:25 PM - 07:30 PM	60.4	53.8	10:05 PM - 10:10 PM	57.0	53.1	12:45 AM - 12:50 AM	53.0	48.4
07:30 PM - 07:35 PM	59.9	56.9	10:10 PM - 10:15 PM	55.5	51.0	12:50 AM - 12:55 AM	53.0	48.8
07:35 PM - 07:40 PM	56.2	53.5	10:15 PM - 10:20 PM	57.3	51.3	12:55 AM - 01:00 AM	51.6	47.4

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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020711-1

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

Page 2 of 3

Sample Number : 2417320-10
Parameter : Noise Level (Leq 5 min)
Location : หนองนาคราช-ถาวรประสิทธิ์ (GPS 47P 0735531, 1402769)
Measurement Date : Jun 02 - Jun 03, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 03, 2024			Jun 03, 2024			Jun 03, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
01:00 AM - 01:05 AM	49.8	46.9	03:40 AM - 03:45 AM	63.8	45.6	06:20 AM - 06:25 AM	56.1	48.7
01:05 AM - 01:10 AM	53.2	47.5	03:45 AM - 03:50 AM	65.6	56.3	06:25 AM - 06:30 AM	57.5	48.5
01:10 AM - 01:15 AM	55.0	47.6	03:50 AM - 03:55 AM	65.9	47.5	06:30 AM - 06:35 AM	63.3	49.1
01:15 AM - 01:20 AM	54.9	48.0	03:55 AM - 04:00 AM	66.4	58.9	06:35 AM - 06:40 AM	55.3	48.8
01:20 AM - 01:25 AM	51.3	47.8	04:00 AM - 04:05 AM	64.4	44.2	06:40 AM - 06:45 AM	56.1	47.8
01:25 AM - 01:30 AM	53.1	47.4	04:05 AM - 04:10 AM	65.8	44.7	06:45 AM - 06:50 AM	56.4	49.3
01:30 AM - 01:35 AM	54.4	46.3	04:10 AM - 04:15 AM	67.4	58.7	06:50 AM - 06:55 AM	57.4	49.6
01:35 AM - 01:40 AM	52.5	47.6	04:15 AM - 04:20 AM	65.6	44.0	06:55 AM - 07:00 AM	57.0	49.8
01:40 AM - 01:45 AM	50.9	47.3	04:20 AM - 04:25 AM	66.0	44.3	07:00 AM - 07:05 AM	59.8	50.5
01:45 AM - 01:50 AM	56.4	46.4	04:25 AM - 04:30 AM	67.4	45.9	07:05 AM - 07:10 AM	58.6	50.8
01:50 AM - 01:55 AM	52.0	47.0	04:30 AM - 04:35 AM	65.9	48.6	07:10 AM - 07:15 AM	54.3	48.6
01:55 AM - 02:00 AM	49.0	46.5	04:35 AM - 04:40 AM	65.6	42.6	07:15 AM - 07:20 AM	57.0	49.2
02:00 AM - 02:05 AM	51.6	46.3	04:40 AM - 04:45 AM	65.2	45.0	07:20 AM - 07:25 AM	53.1	48.8
02:05 AM - 02:10 AM	51.1	46.8	04:45 AM - 04:50 AM	64.2	42.3	07:25 AM - 07:30 AM	54.8	49.2
02:10 AM - 02:15 AM	51.7	45.6	04:50 AM - 04:55 AM	65.1	45.7	07:30 AM - 07:35 AM	57.1	49.9
02:15 AM - 02:20 AM	56.6	47.1	04:55 AM - 05:00 AM	65.0	51.0	07:35 AM - 07:40 AM	57.7	49.9
02:20 AM - 02:25 AM	49.2	46.2	05:00 AM - 05:05 AM	64.1	49.5	07:40 AM - 07:45 AM	56.4	49.7
02:25 AM - 02:30 AM	48.7	45.7	05:05 AM - 05:10 AM	60.7	46.2	07:45 AM - 07:50 AM	55.5	47.3
02:30 AM - 02:35 AM	57.2	46.2	05:10 AM - 05:15 AM	58.3	47.4	07:50 AM - 07:55 AM	54.2	48.8
02:35 AM - 02:40 AM	49.1	45.8	05:15 AM - 05:20 AM	57.9	46.8	07:55 AM - 08:00 AM	57.2	49.4
02:40 AM - 02:45 AM	56.8	44.9	05:20 AM - 05:25 AM	57.2	47.7	08:00 AM - 08:05 AM	57.6	49.5
02:45 AM - 02:50 AM	57.2	46.3	05:25 AM - 05:30 AM	56.8	47.5	08:05 AM - 08:10 AM	53.3	47.8
02:50 AM - 02:55 AM	54.6	44.5	05:30 AM - 05:35 AM	53.6	47.9	08:10 AM - 08:15 AM	55.2	49.2
02:55 AM - 03:00 AM	58.4	45.7	05:35 AM - 05:40 AM	57.9	49.3	08:15 AM - 08:20 AM	56.2	48.2
03:00 AM - 03:05 AM	55.0	42.8	05:40 AM - 05:45 AM	54.4	47.6	08:20 AM - 08:25 AM	55.0	50.9
03:05 AM - 03:10 AM	62.9	45.1	05:45 AM - 05:50 AM	57.6	46.1	08:25 AM - 08:30 AM	55.8	50.0
03:10 AM - 03:15 AM	55.8	44.8	05:50 AM - 05:55 AM	58.2	50.6	08:30 AM - 08:35 AM	55.2	49.6
03:15 AM - 03:20 AM	60.5	46.1	05:55 AM - 06:00 AM	54.7	48.3	08:35 AM - 08:40 AM	54.3	48.1
03:20 AM - 03:25 AM	48.1	44.3	06:00 AM - 06:05 AM	55.1	49.0	08:40 AM - 08:45 AM	60.2	49.5
03:25 AM - 03:30 AM	52.5	45.6	06:05 AM - 06:10 AM	58.5	47.0	08:45 AM - 08:50 AM	54.0	49.6
03:30 AM - 03:35 AM	62.1	45.8	06:10 AM - 06:15 AM	54.7	49.0	08:50 AM - 08:55 AM	54.7	49.1
03:35 AM - 03:40 AM	63.3	43.9	06:15 AM - 06:20 AM	54.8	48.4	08:55 AM - 09:00 AM	55.3	50.8

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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020711-1

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

Page 3 of 3

Sample Number : 2417320-10
Parameter : Noise Level (Leq 5 min)
Location : หนองผาคาเวน-ธารนระดู (GPS 47P 0735531, 1402769)
Measurement Date : Jun 02 - Jun 03, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 03, 2024	Leq	L90	Jun 03, 2024	Leq	L90	Jun 03, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	54.5	48.7	11:40 AM - 11:45 AM	61.0	49.2	02:20 PM - 02:25 PM	54.1	47.7
09:05 AM - 09:10 AM	55.9	49.4	11:45 AM - 11:50 AM	56.9	49.5	02:25 PM - 02:30 PM	57.6	49.0
09:10 AM - 09:15 AM	61.2	48.7	11:50 AM - 11:55 AM	55.0	49.5	02:30 PM - 02:35 PM	61.9	47.1
09:15 AM - 09:20 AM	59.2	47.8	11:55 AM - 12:00 PM	52.9	47.3	02:35 PM - 02:40 PM	57.5	49.0
09:20 AM - 09:25 AM	55.8	48.0	12:00 PM - 12:05 PM	59.8	48.1	02:40 PM - 02:45 PM	58.1	46.9
09:25 AM - 09:30 AM	57.2	48.5	12:05 PM - 12:10 PM	55.2	45.8	02:45 PM - 02:50 PM	55.6	46.3
09:30 AM - 09:35 AM	53.2	48.1	12:10 PM - 12:15 PM	57.5	47.5	02:50 PM - 02:55 PM	53.6	48.0
09:35 AM - 09:40 AM	54.2	48.1	12:15 PM - 12:20 PM	53.0	48.6	02:55 PM - 03:00 PM	59.7	45.0
09:40 AM - 09:45 AM	56.3	47.6	12:20 PM - 12:25 PM	56.9	47.1	03:00 PM - 03:05 PM	55.2	45.4
09:45 AM - 09:50 AM	54.1	47.9	12:25 PM - 12:30 PM	53.9	48.2	03:05 PM - 03:10 PM	51.5	46.0
09:50 AM - 09:55 AM	55.0	48.4	12:30 PM - 12:35 PM	52.3	47.5	03:10 PM - 03:15 PM	53.5	46.2
09:55 AM - 10:00 AM	52.2	47.3	12:35 PM - 12:40 PM	52.4	47.3	03:15 PM - 03:20 PM	50.5	45.0
10:00 AM - 10:05 AM	55.7	49.3	12:40 PM - 12:45 PM	59.6	48.4	03:20 PM - 03:25 PM	54.9	46.4
10:05 AM - 10:10 AM	52.7	48.5	12:45 PM - 12:50 PM	54.5	47.4	03:25 PM - 03:30 PM	56.5	47.4
10:10 AM - 10:15 AM	55.8	50.3	12:50 PM - 12:55 PM	55.0	45.9	03:30 PM - 03:35 PM	53.9	47.4
10:15 AM - 10:20 AM	59.5	48.7	12:55 PM - 01:00 PM	54.4	47.7	03:35 PM - 03:40 PM	55.3	48.5
10:20 AM - 10:25 AM	55.1	48.7	01:00 PM - 01:05 PM	59.0	48.9	03:40 PM - 03:45 PM	54.7	48.2
10:25 AM - 10:30 AM	53.8	47.4	01:05 PM - 01:10 PM	54.7	48.6	03:45 PM - 03:50 PM	54.6	47.2
10:30 AM - 10:35 AM	52.7	47.3	01:10 PM - 01:15 PM	58.1	47.1	03:50 PM - 03:55 PM	57.1	47.2
10:35 AM - 10:40 AM	59.5	52.0	01:15 PM - 01:20 PM	56.5	46.5	03:55 PM - 04:00 PM	53.2	47.8
10:40 AM - 10:45 AM	56.7	49.0	01:20 PM - 01:25 PM	54.5	47.0	04:00 PM - 04:05 PM	53.5	49.3
10:45 AM - 10:50 AM	57.0	49.3	01:25 PM - 01:30 PM	52.3	45.6	04:05 PM - 04:10 PM	60.9	49.6
10:50 AM - 10:55 AM	60.1	48.5	01:30 PM - 01:35 PM	54.5	48.1	04:10 PM - 04:15 PM	55.5	48.2
10:55 AM - 11:00 AM	58.7	48.2	01:35 PM - 01:40 PM	59.4	48.9	04:15 PM - 04:20 PM	55.3	49.2
11:00 AM - 11:05 AM	55.3	46.3	01:40 PM - 01:45 PM	59.1	49.8	04:20 PM - 04:25 PM	56.2	50.7
11:05 AM - 11:10 AM	55.9	48.8	01:45 PM - 01:50 PM	61.5	48.4	04:25 PM - 04:30 PM	57.5	51.2
11:10 AM - 11:15 AM	58.1	49.1	01:50 PM - 01:55 PM	57.2	48.4	04:30 PM - 04:35 PM	58.5	50.1
11:15 AM - 11:20 AM	52.8	47.1	01:55 PM - 02:00 PM	51.8	45.7	04:35 PM - 04:40 PM	56.7	51.7
11:20 AM - 11:25 AM	54.0	47.5	02:00 PM - 02:05 PM	61.2	49.5	04:40 PM - 04:45 PM	55.3	50.6
11:25 AM - 11:30 AM	57.6	48.4	02:05 PM - 02:10 PM	58.3	47.4	04:45 PM - 04:50 PM	54.7	50.1
11:30 AM - 11:35 AM	54.2	46.1	02:10 PM - 02:15 PM	56.4	47.1	04:50 PM - 04:55 PM	54.7	50.8
11:35 AM - 11:40 AM	54.0	47.3	02:15 PM - 02:20 PM	55.3	48.2	04:55 PM - 05:00 PM	58.5	50.1

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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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020712-1

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

Page 1 of 3

Sample Number : 2417320-11
Parameter : Noise Level (Leq 5 min)
Location : หนองผาคาเวน-ธารนระดู (GPS 47P 0735531, 1402769)
Measurement Date : Jun 03 - Jun 04, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 03, 2024	Leq	L90	Jun 03, 2024	Leq	L90	Jun 03 - Jun 04, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	58.5	51.9	07:40 PM - 07:45 PM	57.1	50.3	10:20 PM - 10:25 PM	52.0	48.0
05:05 PM - 05:10 PM	57.6	52.4	07:45 PM - 07:50 PM	55.7	49.7	10:25 PM - 10:30 PM	56.9	48.9
05:10 PM - 05:15 PM	57.1	53.3	07:50 PM - 07:55 PM	58.3	49.5	10:30 PM - 10:35 PM	52.9	48.6
05:15 PM - 05:20 PM	57.1	51.7	07:55 PM - 08:00 PM	57.4	52.4	10:35 PM - 10:40 PM	51.8	47.4
05:20 PM - 05:25 PM	56.2	50.8	08:00 PM - 08:05 PM	56.6	52.3	10:40 PM - 10:45 PM	54.6	48.7
05:25 PM - 05:30 PM	56.0	48.8	08:05 PM - 08:10 PM	56.9	52.4	10:45 PM - 10:50 PM	57.5	49.0
05:30 PM - 05:35 PM	55.7	49.1	08:10 PM - 08:15 PM	56.9	50.4	10:50 PM - 10:55 PM	52.0	47.6
05:35 PM - 05:40 PM	53.2	48.8	08:15 PM - 08:20 PM	54.8	51.0	10:55 PM - 11:00 PM	51.1	47.4
05:40 PM - 05:45 PM	54.8	49.3	08:20 PM - 08:25 PM	58.8	50.8	11:00 PM - 11:05 PM	54.3	47.7
05:45 PM - 05:50 PM	56.6	51.0	08:25 PM - 08:30 PM	58.3	51.5	11:05 PM - 11:10 PM	50.9	47.2
05:50 PM - 05:55 PM	56.9	50.8	08:30 PM - 08:35 PM	56.1	51.4	11:10 PM - 11:15 PM	55.6	46.3
05:55 PM - 06:00 PM	54.8	51.6	08:35 PM - 08:40 PM	54.4	49.5	11:15 PM - 11:20 PM	57.7	47.9
06:00 PM - 06:05 PM	56.5	52.0	08:40 PM - 08:45 PM	56.2	51.6	11:20 PM - 11:25 PM	52.6	46.5
06:05 PM - 06:10 PM	55.2	50.9	08:45 PM - 08:50 PM	56.3	52.1	11:25 PM - 11:30 PM	51.7	46.2
06:10 PM - 06:15 PM	55.3	51.3	08:50 PM - 08:55 PM	54.6	51.0	11:30 PM - 11:35 PM	56.4	46.5
06:15 PM - 06:20 PM	56.9	52.4	08:55 PM - 09:00 PM	54.2	49.4	11:35 PM - 11:40 PM	48.9	45.4
06:20 PM - 06:25 PM	58.1	51.4	09:00 PM - 09:05 PM	54.4	48.6	11:40 PM - 11:45 PM	49.7	45.8
06:25 PM - 06:30 PM	57.1	52.0	09:05 PM - 09:10 PM	53.4	50.3	11:45 PM - 11:50 PM	51.9	46.3
06:30 PM - 06:35 PM	60.0	52.9	09:10 PM - 09:15 PM	55.2	50.9	11:50 PM - 11:55 PM	56.1	46.4
06:35 PM - 06:40 PM	57.7	53.4	09:15 PM - 09:20 PM	53.5	48.4	11:55 PM - 12:00 AM	54.2	48.4
06:40 PM - 06:45 PM	55.2	51.0	09:20 PM - 09:25 PM	57.0	49.2	12:00 AM - 12:05 AM	50.5	48.2
06:45 PM - 06:50 PM	59.1	51.3	09:25 PM - 09:30 PM	54.5	48.9	12:05 AM - 12:10 AM	53.2	49.9
06:50 PM - 06:55 PM	61.5	53.0	09:30 PM - 09:35 PM	55.9	52.9	12:10 AM - 12:15 AM	51.3	47.0
06:55 PM - 07:00 PM	55.6	51.6	09:35 PM - 09:40 PM	55.2	50.4	12:15 AM - 12:20 AM	54.2	45.5
07:00 PM - 07:05 PM	56.6	51.4	09:40 PM - 09:45 PM	55.7	47.0	12:20 AM - 12:25 AM	51.6	45.7
07:05 PM - 07:10 PM	58.3	51.0	09:45 PM - 09:50 PM	53.1	48.8	12:25 AM - 12:30 AM	54.8	45.4
07:10 PM - 07:15 PM	58.2	52.3	09:50 PM - 09:55 PM	57.1	47.7	12:30 AM - 12:35 AM	51.3	45.0
07:15 PM - 07:20 PM	61.6	50.2	09:55 PM - 10:00 PM	54.4	45.9	12:35 AM - 12:40 AM	49.1	45.6
07:20 PM - 07:25 PM	57.2	52.0	10:00 PM - 10:05 PM	53.6	48.9	12:40 AM - 12:45 AM	49.0	45.6
07:25 PM - 07:30 PM	59.9	50.1	10:05 PM - 10:10 PM	53.4	48.2	12:45 AM - 12:50 AM	49.3	44.5
07:30 PM - 07:35 PM	56.2	50.5	10:10 PM - 10:15 PM	53.5	47.9	12:50 AM - 12:55 AM	50.1	44.5
07:35 PM - 07:40 PM	58.8	51.9	10:15 PM - 10:20 PM	55.8	48.9	12:55 AM - 01:00 AM	50.9	44.8

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020712-1

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

Page 2 of 3

Sample Number : 2417320-11
Parameter : Noise Level (Leq 5 min)
Location : หนองนาคราช-ธาราประทุม (GPS 47P 0735531, 1402769)
Measurement Date : Jun 03 - Jun 04, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 04, 2024	Leq	L90	Jun 04, 2024	Leq	L90	Jun 04, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	51.7	45.1	03:40 AM - 03:45 AM	51.7	43.4	06:20 AM - 06:25 AM	55.5	48.9
01:05 AM - 01:10 AM	48.3	44.8	03:45 AM - 03:50 AM	52.1	43.8	06:25 AM - 06:30 AM	57.2	48.2
01:10 AM - 01:15 AM	48.3	44.6	03:50 AM - 03:55 AM	52.6	42.9	06:30 AM - 06:35 AM	60.7	48.8
01:15 AM - 01:20 AM	47.9	44.2	03:55 AM - 04:00 AM	60.1	45.5	06:35 AM - 06:40 AM	59.0	50.4
01:20 AM - 01:25 AM	49.3	45.1	04:00 AM - 04:05 AM	53.7	44.6	06:40 AM - 06:45 AM	62.3	52.7
01:25 AM - 01:30 AM	51.9	43.4	04:05 AM - 04:10 AM	53.0	43.2	06:45 AM - 06:50 AM	63.0	50.8
01:30 AM - 01:35 AM	49.2	43.7	04:10 AM - 04:15 AM	53.3	45.3	06:50 AM - 06:55 AM	61.6	51.1
01:35 AM - 01:40 AM	46.9	43.4	04:15 AM - 04:20 AM	52.1	45.0	06:55 AM - 07:00 AM	57.4	50.1
01:40 AM - 01:45 AM	49.8	44.5	04:20 AM - 04:25 AM	62.2	45.1	07:00 AM - 07:05 AM	53.9	49.7
01:45 AM - 01:50 AM	49.6	44.2	04:25 AM - 04:30 AM	57.3	44.7	07:05 AM - 07:10 AM	57.4	49.8
01:50 AM - 01:55 AM	49.3	44.6	04:30 AM - 04:35 AM	52.6	46.5	07:10 AM - 07:15 AM	57.8	51.1
01:55 AM - 02:00 AM	47.5	44.4	04:35 AM - 04:40 AM	56.7	44.4	07:15 AM - 07:20 AM	55.4	50.6
02:00 AM - 02:05 AM	59.5	45.0	04:40 AM - 04:45 AM	59.8	43.6	07:20 AM - 07:25 AM	57.7	48.7
02:05 AM - 02:10 AM	52.0	44.0	04:45 AM - 04:50 AM	58.5	43.8	07:25 AM - 07:30 AM	59.2	47.7
02:10 AM - 02:15 AM	50.5	43.5	04:50 AM - 04:55 AM	55.2	44.8	07:30 AM - 07:35 AM	59.1	49.3
02:15 AM - 02:20 AM	50.7	43.5	04:55 AM - 05:00 AM	58.7	45.1	07:35 AM - 07:40 AM	54.7	48.0
02:20 AM - 02:25 AM	45.9	43.5	05:00 AM - 05:05 AM	53.0	47.5	07:40 AM - 07:45 AM	52.0	47.4
02:25 AM - 02:30 AM	50.9	44.6	05:05 AM - 05:10 AM	60.6	48.1	07:45 AM - 07:50 AM	58.5	49.6
02:30 AM - 02:35 AM	53.5	43.6	05:10 AM - 05:15 AM	58.1	49.0	07:50 AM - 07:55 AM	55.3	48.0
02:35 AM - 02:40 AM	56.5	44.2	05:15 AM - 05:20 AM	56.7	48.8	07:55 AM - 08:00 AM	59.0	48.8
02:40 AM - 02:45 AM	50.3	43.7	05:20 AM - 05:25 AM	56.3	47.6	08:00 AM - 08:05 AM	54.6	48.2
02:45 AM - 02:50 AM	48.0	43.7	05:25 AM - 05:30 AM	55.2	47.2	08:05 AM - 08:10 AM	55.5	47.8
02:50 AM - 02:55 AM	46.9	43.3	05:30 AM - 05:35 AM	58.5	47.0	08:10 AM - 08:15 AM	54.5	49.4
02:55 AM - 03:00 AM	56.4	41.7	05:35 AM - 05:40 AM	56.3	47.6	08:15 AM - 08:20 AM	56.1	46.7
03:00 AM - 03:05 AM	54.9	43.9	05:40 AM - 05:45 AM	54.9	47.3	08:20 AM - 08:25 AM	57.6	48.3
03:05 AM - 03:10 AM	48.5	42.3	05:45 AM - 05:50 AM	53.5	47.8	08:25 AM - 08:30 AM	52.0	46.9
03:10 AM - 03:15 AM	46.3	42.1	05:50 AM - 05:55 AM	54.4	48.8	08:30 AM - 08:35 AM	55.7	48.7
03:15 AM - 03:20 AM	49.0	42.2	05:55 AM - 06:00 AM	55.2	48.0	08:35 AM - 08:40 AM	54.0	49.4
03:20 AM - 03:25 AM	50.7	43.2	06:00 AM - 06:05 AM	57.2	49.4	08:40 AM - 08:45 AM	57.8	49.1
03:25 AM - 03:30 AM	63.3	44.5	06:05 AM - 06:10 AM	56.1	46.9	08:45 AM - 08:50 AM	57.4	48.8
03:30 AM - 03:35 AM	58.6	44.2	06:10 AM - 06:15 AM	59.8	48.9	08:50 AM - 08:55 AM	54.5	48.1
03:35 AM - 03:40 AM	51.4	43.1	06:15 AM - 06:20 AM	53.3	48.6	08:55 AM - 09:00 AM	61.1	49.6

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020712-1

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

Page 3 of 3

Sample Number : 2417320-11
Parameter : Noise Level (Leq 5 min)
Location : หนองนาคราช-ธาราประทุม (GPS 47P 0735531, 1402769)
Measurement Date : Jun 03 - Jun 04, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 04, 2024	Leq	L90	Jun 04, 2024	Leq	L90	Jun 04, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	58.8	50.4	11:40 AM - 11:45 AM	53.3	48.1	02:20 PM - 02:25 PM	50.3	45.6
09:05 AM - 09:10 AM	59.4	50.3	11:45 AM - 11:50 AM	53.9	50.1	02:25 PM - 02:30 PM	62.2	48.1
09:10 AM - 09:15 AM	59.8	49.3	11:50 AM - 11:55 AM	54.1	46.8	02:30 PM - 02:35 PM	50.4	45.2
09:15 AM - 09:20 AM	55.2	47.4	11:55 AM - 12:00 PM	53.8	48.2	02:35 PM - 02:40 PM	57.2	45.2
09:20 AM - 09:25 AM	54.5	47.9	12:00 PM - 12:05 PM	57.0	48.5	02:40 PM - 02:45 PM	56.7	45.1
09:25 AM - 09:30 AM	56.2	48.6	12:05 PM - 12:10 PM	53.9	46.8	02:45 PM - 02:50 PM	53.4	48.2
09:30 AM - 09:35 AM	56.8	48.8	12:10 PM - 12:15 PM	55.4	47.0	02:50 PM - 02:55 PM	51.9	46.4
09:35 AM - 09:40 AM	58.0	48.6	12:15 PM - 12:20 PM	56.8	45.9	02:55 PM - 03:00 PM	53.6	46.0
09:40 AM - 09:45 AM	55.4	50.6	12:20 PM - 12:25 PM	54.2	46.2	03:00 PM - 03:05 PM	51.8	47.2
09:45 AM - 09:50 AM	56.8	48.4	12:25 PM - 12:30 PM	52.3	46.5	03:05 PM - 03:10 PM	56.0	48.0
09:50 AM - 09:55 AM	53.3	48.7	12:30 PM - 12:35 PM	52.9	47.6	03:10 PM - 03:15 PM	53.0	48.4
09:55 AM - 10:00 AM	54.3	47.1	12:35 PM - 12:40 PM	54.6	48.3	03:15 PM - 03:20 PM	53.8	48.3
10:00 AM - 10:05 AM	53.8	48.4	12:40 PM - 12:45 PM	52.4	45.2	03:20 PM - 03:25 PM	57.7	48.7
10:05 AM - 10:10 AM	52.3	48.4	12:45 PM - 12:50 PM	53.9	47.3	03:25 PM - 03:30 PM	53.3	48.2
10:10 AM - 10:15 AM	53.6	48.1	12:50 PM - 12:55 PM	54.7	46.7	03:30 PM - 03:35 PM	53.4	47.8
10:15 AM - 10:20 AM	55.4	48.6	12:55 PM - 01:00 PM	64.0	47.6	03:35 PM - 03:40 PM	56.4	47.1
10:20 AM - 10:25 AM	53.3	47.7	01:00 PM - 01:05 PM	55.1	45.4	03:40 PM - 03:45 PM	52.6	48.4
10:25 AM - 10:30 AM	54.3	46.4	01:05 PM - 01:10 PM	54.0	46.8	03:45 PM - 03:50 PM	56.0	48.9
10:30 AM - 10:35 AM	51.9	46.6	01:10 PM - 01:15 PM	51.9	45.5	03:50 PM - 03:55 PM	54.3	47.9
10:35 AM - 10:40 AM	56.2	46.7	01:15 PM - 01:20 PM	52.6	47.8	03:55 PM - 04:00 PM	53.4	48.0
10:40 AM - 10:45 AM	58.0	46.8	01:20 PM - 01:25 PM	54.6	48.6	04:00 PM - 04:05 PM	55.6	49.9
10:45 AM - 10:50 AM	56.4	48.4	01:25 PM - 01:30 PM	50.1	42.7	04:05 PM - 04:10 PM	55.1	49.5
10:50 AM - 10:55 AM	55.5	47.3	01:30 PM - 01:35 PM	50.9	45.1	04:10 PM - 04:15 PM	57.5	49.7
10:55 AM - 11:00 AM	53.1	47.9	01:35 PM - 01:40 PM	52.5	45.2	04:15 PM - 04:20 PM	54.3	50.1
11:00 AM - 11:05 AM	54.5	46.5	01:40 PM - 01:45 PM	53.7	47.7	04:20 PM - 04:25 PM	54.4	48.7
11:05 AM - 11:10 AM	54.2	46.9	01:45 PM - 01:50 PM	52.5	47.2	04:25 PM - 04:30 PM	57.1	50.8
11:10 AM - 11:15 AM	53.6	46.2	01:50 PM - 01:55 PM	52.9	46.0	04:30 PM - 04:35 PM	54.9	49.6
11:15 AM - 11:20 AM	55.9	47.8	01:55 PM - 02:00 PM	54.1	45.8	04:35 PM - 04:40 PM	55.2	51.0
11:20 AM - 11:25 AM	54.0	49.0	02:00 PM - 02:05 PM	54.7	47.9	04:40 PM - 04:45 PM	54.3	51.0
11:25 AM - 11:30 AM	55.2	47.0	02:05 PM - 02:10 PM	59.8	47.2	04:45 PM - 04:50 PM	58.9	52.4
11:30 AM - 11:35 AM	54.6	48.2	02:10 PM - 02:15 PM	52.3	48.8	04:50 PM - 04:55 PM	55.5	51.0
11:35 AM - 11:40 AM	52.4	48.0	02:15 PM - 02:20 PM	54.1	47.5	04:55 PM - 05:00 PM	60.2	51.5

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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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020713-1

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

Page 1 of 3

Sample Number : 2417320-12
Parameter : Noise Level (Leq 5 min)
Location : ถนนสายอุตสาหกรรม-ถาวร (GPS 47P 0735531, 1402769)
Measurement Date : Jun 04 - Jun 05, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 04, 2024			Jun 04, 2024			Jun 04 - Jun 05, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
05:00 PM - 05:05 PM	53.8	50.4	07:40 PM - 07:45 PM	56.3	50.8	10:20 PM - 10:25 PM	55.2	44.0
05:05 PM - 05:10 PM	62.3	49.6	07:45 PM - 07:50 PM	56.4	50.6	10:25 PM - 10:30 PM	49.1	42.3
05:10 PM - 05:15 PM	54.4	50.2	07:50 PM - 07:55 PM	54.0	49.3	10:30 PM - 10:35 PM	60.6	42.9
05:15 PM - 05:20 PM	53.6	49.8	07:55 PM - 08:00 PM	54.7	49.1	10:35 PM - 10:40 PM	48.4	43.1
05:20 PM - 05:25 PM	54.3	50.7	08:00 PM - 08:05 PM	52.1	47.5	10:40 PM - 10:45 PM	53.9	43.5
05:25 PM - 05:30 PM	53.9	49.5	08:05 PM - 08:10 PM	54.3	49.3	10:45 PM - 10:50 PM	50.9	42.7
05:30 PM - 05:35 PM	53.6	49.2	08:10 PM - 08:15 PM	53.9	47.6	10:50 PM - 10:55 PM	48.8	42.0
05:35 PM - 05:40 PM	55.1	49.3	08:15 PM - 08:20 PM	56.6	49.4	10:55 PM - 11:00 PM	54.1	43.1
05:40 PM - 05:45 PM	55.9	50.1	08:20 PM - 08:25 PM	55.3	49.1	11:00 PM - 11:05 PM	52.7	41.9
05:45 PM - 05:50 PM	53.9	49.6	08:25 PM - 08:30 PM	57.9	51.9	11:05 PM - 11:10 PM	51.4	43.9
05:50 PM - 05:55 PM	55.3	49.9	08:30 PM - 08:35 PM	54.5	47.8	11:10 PM - 11:15 PM	48.5	42.5
05:55 PM - 06:00 PM	56.4	51.2	08:35 PM - 08:40 PM	52.2	47.6	11:15 PM - 11:20 PM	51.7	43.3
06:00 PM - 06:05 PM	58.0	50.2	08:40 PM - 08:45 PM	53.7	47.9	11:20 PM - 11:25 PM	56.6	47.2
06:05 PM - 06:10 PM	56.3	51.5	08:45 PM - 08:50 PM	53.7	47.4	11:25 PM - 11:30 PM	57.8	46.4
06:10 PM - 06:15 PM	55.7	49.7	08:50 PM - 08:55 PM	54.8	49.9	11:30 PM - 11:35 PM	49.2	43.2
06:15 PM - 06:20 PM	56.3	50.3	08:55 PM - 09:00 PM	57.2	49.9	11:35 PM - 11:40 PM	52.4	41.9
06:20 PM - 06:25 PM	55.8	50.2	09:00 PM - 09:05 PM	54.2	47.9	11:40 PM - 11:45 PM	51.6	42.9
06:25 PM - 06:30 PM	53.7	50.3	09:05 PM - 09:10 PM	56.1	52.1	11:45 PM - 11:50 PM	51.5	41.8
06:30 PM - 06:35 PM	56.5	52.0	09:10 PM - 09:15 PM	60.3	49.0	11:50 PM - 11:55 PM	51.1	41.5
06:35 PM - 06:40 PM	54.7	49.9	09:15 PM - 09:20 PM	56.0	49.9	11:55 PM - 12:00 AM	49.7	41.9
06:40 PM - 06:45 PM	53.0	48.3	09:20 PM - 09:25 PM	60.7	51.3	12:00 AM - 12:05 AM	54.2	42.5
06:45 PM - 06:50 PM	54.7	50.1	09:25 PM - 09:30 PM	55.8	51.6	12:05 AM - 12:10 AM	52.9	42.1
06:50 PM - 06:55 PM	55.0	49.8	09:30 PM - 09:35 PM	54.6	49.7	12:10 AM - 12:15 AM	50.8	42.7
06:55 PM - 07:00 PM	56.2	49.6	09:35 PM - 09:40 PM	49.8	44.6	12:15 AM - 12:20 AM	49.5	43.3
07:00 PM - 07:05 PM	57.9	49.8	09:40 PM - 09:45 PM	51.6	44.8	12:20 AM - 12:25 AM	56.1	42.7
07:05 PM - 07:10 PM	54.4	48.9	09:45 PM - 09:50 PM	54.1	44.0	12:25 AM - 12:30 AM	45.5	42.3
07:10 PM - 07:15 PM	54.7	47.5	09:50 PM - 09:55 PM	50.4	44.5	12:30 AM - 12:35 AM	51.5	42.8
07:15 PM - 07:20 PM	54.2	47.9	09:55 PM - 10:00 PM	56.8	42.8	12:35 AM - 12:40 AM	46.2	43.1
07:20 PM - 07:25 PM	55.6	48.6	10:00 PM - 10:05 PM	56.5	44.9	12:40 AM - 12:45 AM	47.9	42.7
07:25 PM - 07:30 PM	54.5	48.6	10:05 PM - 10:10 PM	56.2	44.8	12:45 AM - 12:50 AM	53.4	43.2
07:30 PM - 07:35 PM	55.2	50.0	10:10 PM - 10:15 PM	51.8	43.5	12:50 AM - 12:55 AM	47.4	43.1
07:35 PM - 07:40 PM	58.3	51.6	10:15 PM - 10:20 PM	55.3	43.9	12:55 AM - 01:00 AM	53.9	43.0

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020713-1

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

Page 2 of 3

Sample Number : 2417320-12
Parameter : Noise Level (Leq 5 min)
Location : ถนนสายอุตสาหกรรม-ถาวร (GPS 47P 0735531, 1402769)
Measurement Date : Jun 04 - Jun 05, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 05, 2024			Jun 05, 2024			Jun 05, 2024		
Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)	Time	Leq dB(A)	L90 dB(A)
01:00 AM - 01:05 AM	46.9	43.3	03:40 AM - 03:45 AM	59.7	42.2	06:20 AM - 06:25 AM	59.8	51.4
01:05 AM - 01:10 AM	48.6	42.6	03:45 AM - 03:50 AM	44.0	42.0	06:25 AM - 06:30 AM	56.5	49.3
01:10 AM - 01:15 AM	47.0	42.8	03:50 AM - 03:55 AM	47.1	42.4	06:30 AM - 06:35 AM	56.7	51.4
01:15 AM - 01:20 AM	49.1	42.5	03:55 AM - 04:00 AM	45.9	41.8	06:35 AM - 06:40 AM	56.4	50.9
01:20 AM - 01:25 AM	47.1	42.0	04:00 AM - 04:05 AM	55.2	41.9	06:40 AM - 06:45 AM	58.7	52.5
01:25 AM - 01:30 AM	45.9	42.3	04:05 AM - 04:10 AM	60.2	42.6	06:45 AM - 06:50 AM	59.2	51.2
01:30 AM - 01:35 AM	46.7	42.0	04:10 AM - 04:15 AM	57.3	42.8	06:50 AM - 06:55 AM	58.0	52.1
01:35 AM - 01:40 AM	49.5	42.5	04:15 AM - 04:20 AM	46.5	42.6	06:55 AM - 07:00 AM	57.9	51.4
01:40 AM - 01:45 AM	49.1	42.8	04:20 AM - 04:25 AM	48.9	43.5	07:00 AM - 07:05 AM	56.1	52.0
01:45 AM - 01:50 AM	44.9	41.6	04:25 AM - 04:30 AM	49.9	43.7	07:05 AM - 07:10 AM	58.0	52.5
01:50 AM - 01:55 AM	47.1	42.3	04:30 AM - 04:35 AM	59.9	44.0	07:10 AM - 07:15 AM	58.8	51.5
01:55 AM - 02:00 AM	46.8	42.9	04:35 AM - 04:40 AM	54.5	42.5	07:15 AM - 07:20 AM	59.9	51.3
02:00 AM - 02:05 AM	47.8	42.9	04:40 AM - 04:45 AM	60.9	44.5	07:20 AM - 07:25 AM	61.0	51.5
02:05 AM - 02:10 AM	50.2	43.0	04:45 AM - 04:50 AM	56.2	44.0	07:25 AM - 07:30 AM	56.2	50.7
02:10 AM - 02:15 AM	53.4	43.2	04:50 AM - 04:55 AM	57.2	44.6	07:30 AM - 07:35 AM	55.6	50.0
02:15 AM - 02:20 AM	55.0	42.9	04:55 AM - 05:00 AM	58.8	45.3	07:35 AM - 07:40 AM	58.2	52.0
02:20 AM - 02:25 AM	48.0	42.7	05:00 AM - 05:05 AM	57.8	46.0	07:40 AM - 07:45 AM	56.9	49.0
02:25 AM - 02:30 AM	54.5	43.1	05:05 AM - 05:10 AM	58.3	49.1	07:45 AM - 07:50 AM	54.9	50.8
02:30 AM - 02:35 AM	57.4	43.2	05:10 AM - 05:15 AM	56.7	47.6	07:50 AM - 07:55 AM	58.7	49.3
02:35 AM - 02:40 AM	47.3	43.1	05:15 AM - 05:20 AM	57.6	46.0	07:55 AM - 08:00 AM	54.6	47.5
02:40 AM - 02:45 AM	48.6	43.0	05:20 AM - 05:25 AM	56.1	47.4	08:00 AM - 08:05 AM	56.9	47.8
02:45 AM - 02:50 AM	45.4	43.2	05:25 AM - 05:30 AM	54.3	47.3	08:05 AM - 08:10 AM	54.1	48.2
02:50 AM - 02:55 AM	45.0	41.4	05:30 AM - 05:35 AM	56.5	49.0	08:10 AM - 08:15 AM	53.7	49.8
02:55 AM - 03:00 AM	44.3	41.6	05:35 AM - 05:40 AM	55.8	50.4	08:15 AM - 08:20 AM	58.0	50.1
03:00 AM - 03:05 AM	44.0	42.2	05:40 AM - 05:45 AM	55.4	49.0	08:20 AM - 08:25 AM	55.3	50.9
03:05 AM - 03:10 AM	46.8	42.0	05:45 AM - 05:50 AM	54.4	49.2	08:25 AM - 08:30 AM	53.9	49.2
03:10 AM - 03:15 AM	46.3	43.3	05:50 AM - 05:55 AM	56.2	50.0	08:30 AM - 08:35 AM	53.6	47.6
03:15 AM - 03:20 AM	56.1	43.2	05:55 AM - 06:00 AM	57.9	48.9	08:35 AM - 08:40 AM	54.2	47.2
03:20 AM - 03:25 AM	46.2	42.5	06:00 AM - 06:05 AM	59.0	49.8	08:40 AM - 08:45 AM	55.9	49.1
03:25 AM - 03:30 AM	46.1	42.0	06:05 AM - 06:10 AM	59.4	49.7	08:45 AM - 08:50 AM	53.2	47.8
03:30 AM - 03:35 AM	48.5	41.7	06:10 AM - 06:15 AM	55.3	49.9	08:50 AM - 08:55 AM	52.8	46.5
03:35 AM - 03:40 AM	46.0	42.1	06:15 AM - 06:20 AM	57.1	51.7	08:55 AM - 09:00 AM	53.1	46.0

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020713-1

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

Page 3 of 3

Sample Number 2417320-12
Parameter Noise Level (Leq 5 min)
Location หนองผาคา-วังน้ำเย็น (GPS 47P 0735531, 1402769)
Measurement Date Jun 04 - Jun 05, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122567

Jun 05, 2024	Leq	L90	Jun 05, 2024	Leq	L90	Jun 05, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	49.5	45.3	11:40 AM - 11:45 AM	53.7	48.6	02:20 PM - 02:25 PM	52.2	47.5
09:05 AM - 09:10 AM	52.3	44.8	11:45 AM - 11:50 AM	52.7	47.7	02:25 PM - 02:30 PM	53.2	48.4
09:10 AM - 09:15 AM	56.3	47.3	11:50 AM - 11:55 AM	54.7	47.7	02:30 PM - 02:35 PM	56.5	48.2
09:15 AM - 09:20 AM	56.8	48.0	11:55 AM - 12:00 PM	57.3	48.7	02:35 PM - 02:40 PM	58.6	48.2
09:20 AM - 09:25 AM	54.2	47.3	12:00 PM - 12:05 PM	54.5	48.4	02:40 PM - 02:45 PM	52.7	47.0
09:25 AM - 09:30 AM	51.5	45.7	12:05 PM - 12:10 PM	55.5	48.9	02:45 PM - 02:50 PM	54.7	49.5
09:30 AM - 09:35 AM	53.9	48.0	12:10 PM - 12:15 PM	52.2	48.1	02:50 PM - 02:55 PM	55.5	47.4
09:35 AM - 09:40 AM	51.6	45.6	12:15 PM - 12:20 PM	54.3	48.8	02:55 PM - 03:00 PM	55.3	46.0
09:40 AM - 09:45 AM	51.4	45.4	12:20 PM - 12:25 PM	53.7	48.7	03:00 PM - 03:05 PM	51.6	46.3
09:45 AM - 09:50 AM	53.7	47.2	12:25 PM - 12:30 PM	53.1	47.3	03:05 PM - 03:10 PM	51.7	46.2
09:50 AM - 09:55 AM	54.9	48.4	12:30 PM - 12:35 PM	54.4	48.6	03:10 PM - 03:15 PM	54.5	48.0
09:55 AM - 10:00 AM	55.7	46.3	12:35 PM - 12:40 PM	55.6	48.5	03:15 PM - 03:20 PM	60.4	48.7
10:00 AM - 10:05 AM	52.8	47.7	12:40 PM - 12:45 PM	54.1	49.4	03:20 PM - 03:25 PM	61.9	51.0
10:05 AM - 10:10 AM	52.7	47.1	12:45 PM - 12:50 PM	53.5	48.3	03:25 PM - 03:30 PM	52.9	48.0
10:10 AM - 10:15 AM	54.9	48.0	12:50 PM - 12:55 PM	60.0	48.3	03:30 PM - 03:35 PM	51.9	47.1
10:15 AM - 10:20 AM	53.8	47.7	12:55 PM - 01:00 PM	55.6	48.3	03:35 PM - 03:40 PM	53.7	48.3
10:20 AM - 10:25 AM	52.9	47.4	01:00 PM - 01:05 PM	54.5	46.8	03:40 PM - 03:45 PM	54.5	47.5
10:25 AM - 10:30 AM	51.3	46.9	01:05 PM - 01:10 PM	54.7	48.1	03:45 PM - 03:50 PM	54.5	49.3
10:30 AM - 10:35 AM	56.2	47.6	01:10 PM - 01:15 PM	51.7	45.3	03:50 PM - 03:55 PM	53.3	47.7
10:35 AM - 10:40 AM	58.6	48.2	01:15 PM - 01:20 PM	57.1	46.6	03:55 PM - 04:00 PM	53.3	47.5
10:40 AM - 10:45 AM	58.1	48.6	01:20 PM - 01:25 PM	52.3	45.8	04:00 PM - 04:05 PM	53.4	49.5
10:45 AM - 10:50 AM	55.0	47.2	01:25 PM - 01:30 PM	50.7	45.6	04:05 PM - 04:10 PM	54.0	49.3
10:50 AM - 10:55 AM	55.0	46.8	01:30 PM - 01:35 PM	55.0	47.0	04:10 PM - 04:15 PM	56.1	50.2
10:55 AM - 11:00 AM	56.6	48.3	01:35 PM - 01:40 PM	56.3	46.0	04:15 PM - 04:20 PM	57.8	51.4
11:00 AM - 11:05 AM	52.7	47.5	01:40 PM - 01:45 PM	49.8	45.0	04:20 PM - 04:25 PM	56.2	51.8
11:05 AM - 11:10 AM	54.3	47.4	01:45 PM - 01:50 PM	52.0	46.2	04:25 PM - 04:30 PM	57.9	52.2
11:10 AM - 11:15 AM	52.3	47.1	01:50 PM - 01:55 PM	53.4	47.6	04:30 PM - 04:35 PM	58.7	51.9
11:15 AM - 11:20 AM	55.5	48.2	01:55 PM - 02:00 PM	52.1	46.3	04:35 PM - 04:40 PM	55.5	49.7
11:20 AM - 11:25 AM	53.9	46.0	02:00 PM - 02:05 PM	51.4	46.5	04:40 PM - 04:45 PM	57.7	51.2
11:25 AM - 11:30 AM	52.8	47.4	02:05 PM - 02:10 PM	50.7	46.1	04:45 PM - 04:50 PM	56.1	50.1
11:30 AM - 11:35 AM	54.9	47.8	02:10 PM - 02:15 PM	52.7	46.9	04:50 PM - 04:55 PM	55.6	51.2
11:35 AM - 11:40 AM	53.8	47.5	02:15 PM - 02:20 PM	52.9	48.6	04:55 PM - 05:00 PM	54.3	49.7

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Approved by

Sarayuth Jittrantont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020714-1

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

Page 1 of 3

Sample Number 2417320-13
Parameter Noise Level (Leq 5 min)
Location หนองผาคา-วังน้ำเย็น (GPS 47P 0735531, 1402769)
Measurement Date Jun 05 - Jun 06, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122567

Jun 05, 2024	Leq	L90	Jun 05, 2024	Leq	L90	Jun 05 - Jun 06, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	54.8	49.8	07:40 PM - 07:45 PM	54.8	49.6	10:20 PM - 10:25 PM	59.6	45.7
05:05 PM - 05:10 PM	56.2	50.6	07:45 PM - 07:50 PM	54.1	49.6	10:25 PM - 10:30 PM	57.7	45.5
05:10 PM - 05:15 PM	55.4	51.1	07:50 PM - 07:55 PM	57.7	50.8	10:30 PM - 10:35 PM	51.4	45.6
05:15 PM - 05:20 PM	54.5	50.1	07:55 PM - 08:00 PM	61.0	50.6	10:35 PM - 10:40 PM	55.6	45.5
05:20 PM - 05:25 PM	56.8	50.0	08:00 PM - 08:05 PM	54.4	50.7	10:40 PM - 10:45 PM	56.1	46.1
05:25 PM - 05:30 PM	56.6	50.4	08:05 PM - 08:10 PM	53.5	48.8	10:45 PM - 10:50 PM	52.2	45.7
05:30 PM - 05:35 PM	53.9	49.3	08:10 PM - 08:15 PM	53.6	48.9	10:50 PM - 10:55 PM	51.1	45.4
05:35 PM - 05:40 PM	56.8	49.7	08:15 PM - 08:20 PM	53.7	49.3	10:55 PM - 11:00 PM	53.6	45.0
05:40 PM - 05:45 PM	55.4	50.9	08:20 PM - 08:25 PM	54.0	48.5	11:00 PM - 11:05 PM	51.3	44.8
05:45 PM - 05:50 PM	55.2	50.2	08:25 PM - 08:30 PM	55.1	49.5	11:05 PM - 11:10 PM	49.2	44.7
05:50 PM - 05:55 PM	56.2	50.2	08:30 PM - 08:35 PM	54.1	48.0	11:10 PM - 11:15 PM	53.2	45.0
05:55 PM - 06:00 PM	56.8	51.0	08:35 PM - 08:40 PM	52.3	47.5	11:15 PM - 11:20 PM	52.6	45.0
06:00 PM - 06:05 PM	56.6	50.6	08:40 PM - 08:45 PM	53.7	47.3	11:20 PM - 11:25 PM	50.3	44.4
06:05 PM - 06:10 PM	57.8	50.1	08:45 PM - 08:50 PM	53.4	49.2	11:25 PM - 11:30 PM	53.1	44.3
06:10 PM - 06:15 PM	58.0	50.5	08:50 PM - 08:55 PM	54.5	48.0	11:30 PM - 11:35 PM	51.3	44.6
06:15 PM - 06:20 PM	54.0	50.9	08:55 PM - 09:00 PM	55.9	47.5	11:35 PM - 11:40 PM	48.7	44.2
06:20 PM - 06:25 PM	54.8	50.1	09:00 PM - 09:05 PM	55.4	47.1	11:40 PM - 11:45 PM	46.7	44.0
06:25 PM - 06:30 PM	54.7	51.1	09:05 PM - 09:10 PM	56.4	47.2	11:45 PM - 11:50 PM	52.0	45.8
06:30 PM - 06:35 PM	54.7	50.6	09:10 PM - 09:15 PM	52.3	48.7	11:50 PM - 11:55 PM	49.3	44.9
06:35 PM - 06:40 PM	55.4	50.7	09:15 PM - 09:20 PM	55.3	48.7	11:55 PM - 12:00 AM	54.9	45.2
06:40 PM - 06:45 PM	55.1	49.3	09:20 PM - 09:25 PM	55.0	48.5	12:00 AM - 12:05 AM	53.3	45.8
06:45 PM - 06:50 PM	55.7	51.2	09:25 PM - 09:30 PM	51.8	45.7	12:05 AM - 12:10 AM	55.5	44.9
06:50 PM - 06:55 PM	54.8	50.3	09:30 PM - 09:35 PM	53.7	46.3	12:10 AM - 12:15 AM	52.4	45.0
06:55 PM - 07:00 PM	55.2	49.9	09:35 PM - 09:40 PM	54.9	46.6	12:15 AM - 12:20 AM	54.1	45.9
07:00 PM - 07:05 PM	53.2	49.0	09:40 PM - 09:45 PM	52.3	48.4	12:20 AM - 12:25 AM	53.5	45.9
07:05 PM - 07:10 PM	53.3	49.3	09:45 PM - 09:50 PM	57.8	48.9	12:25 AM - 12:30 AM	51.2	45.3
07:10 PM - 07:15 PM	56.5	50.2	09:50 PM - 09:55 PM	56.0	48.2	12:30 AM - 12:35 AM	54.0	45.2
07:15 PM - 07:20 PM	55.2	49.5	09:55 PM - 10:00 PM	52.9	47.0	12:35 AM - 12:40 AM	52.2	45.5
07:20 PM - 07:25 PM	55.8	51.6	10:00 PM - 10:05 PM	50.8	46.3	12:40 AM - 12:45 AM	53.1	48.8
07:25 PM - 07:30 PM	54.7	51.3	10:05 PM - 10:10 PM	51.4	46.7	12:45 AM - 12:50 AM	51.4	47.5
07:30 PM - 07:35 PM	55.5	48.7	10:10 PM - 10:15 PM	51.7	45.4	12:50 AM - 12:55 AM	57.2	54.7
07:35 PM - 07:40 PM	54.1	49.5	10:15 PM - 10:20 PM	49.8	45.8	12:55 AM - 01:00 AM	56.1	53.3

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Approved by

Sarayuth Jittrantont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020714-1

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

Page 2 of 3

Sample Number : 2417320-13
Parameter : Noise Level (Leq 5 min)
Location : ฐานตรวจวัด-ด้านประจักษ์ (GPS 47P 0735531, 1402769)
Measurement Date : Jun 05 - Jun 06, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 06, 2024	Leq	L90	Jun 06, 2024	Leq	L90	Jun 06, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	54.0	51.6	03:40 AM - 03:45 AM	57.7	45.3	06:20 AM - 06:25 AM	57.8	52.1
01:05 AM - 01:10 AM	51.5	49.2	03:45 AM - 03:50 AM	56.6	45.4	06:25 AM - 06:30 AM	57.4	50.8
01:10 AM - 01:15 AM	51.1	48.3	03:50 AM - 03:55 AM	54.7	48.7	06:30 AM - 06:35 AM	61.0	51.8
01:15 AM - 01:20 AM	54.0	47.4	03:55 AM - 04:00 AM	55.7	50.7	06:35 AM - 06:40 AM	57.8	51.6
01:20 AM - 01:25 AM	61.6	48.5	04:00 AM - 04:05 AM	57.4	49.4	06:40 AM - 06:45 AM	56.5	52.8
01:25 AM - 01:30 AM	56.9	49.5	04:05 AM - 04:10 AM	53.8	51.0	06:45 AM - 06:50 AM	55.7	50.1
01:30 AM - 01:35 AM	50.3	48.2	04:10 AM - 04:15 AM	56.5	48.8	06:50 AM - 06:55 AM	61.3	53.3
01:35 AM - 01:40 AM	53.0	48.5	04:15 AM - 04:20 AM	54.1	50.8	06:55 AM - 07:00 AM	57.1	50.1
01:40 AM - 01:45 AM	54.8	49.1	04:20 AM - 04:25 AM	55.2	50.7	07:00 AM - 07:05 AM	56.6	51.0
01:45 AM - 01:50 AM	51.3	48.7	04:25 AM - 04:30 AM	54.8	49.7	07:05 AM - 07:10 AM	57.9	53.4
01:50 AM - 01:55 AM	51.1	47.5	04:30 AM - 04:35 AM	54.3	50.4	07:10 AM - 07:15 AM	56.9	50.0
01:55 AM - 02:00 AM	53.9	47.4	04:35 AM - 04:40 AM	56.3	50.6	07:15 AM - 07:20 AM	60.6	53.5
02:00 AM - 02:05 AM	50.9	48.8	04:40 AM - 04:45 AM	53.9	50.0	07:20 AM - 07:25 AM	58.0	50.4
02:05 AM - 02:10 AM	54.1	47.6	04:45 AM - 04:50 AM	54.4	48.9	07:25 AM - 07:30 AM	58.0	51.6
02:10 AM - 02:15 AM	53.2	46.4	04:50 AM - 04:55 AM	55.8	51.7	07:30 AM - 07:35 AM	58.6	49.9
02:15 AM - 02:20 AM	60.2	47.3	04:55 AM - 05:00 AM	58.6	51.2	07:35 AM - 07:40 AM	61.0	52.5
02:20 AM - 02:25 AM	57.7	46.3	05:00 AM - 05:05 AM	55.8	52.0	07:40 AM - 07:45 AM	59.2	51.4
02:25 AM - 02:30 AM	53.0	45.6	05:05 AM - 05:10 AM	54.0	49.3	07:45 AM - 07:50 AM	54.1	49.4
02:30 AM - 02:35 AM	49.9	46.3	05:10 AM - 05:15 AM	53.6	49.1	07:50 AM - 07:55 AM	55.8	49.0
02:35 AM - 02:40 AM	48.2	46.0	05:15 AM - 05:20 AM	56.8	50.4	07:55 AM - 08:00 AM	59.7	50.6
02:40 AM - 02:45 AM	48.1	45.7	05:20 AM - 05:25 AM	53.3	47.4	08:00 AM - 08:05 AM	56.7	50.6
02:45 AM - 02:50 AM	50.1	46.1	05:25 AM - 05:30 AM	58.8	50.4	08:05 AM - 08:10 AM	57.0	49.1
02:50 AM - 02:55 AM	53.7	45.7	05:30 AM - 05:35 AM	59.6	48.7	08:10 AM - 08:15 AM	60.3	53.2
02:55 AM - 03:00 AM	51.2	45.6	05:35 AM - 05:40 AM	57.0	49.2	08:15 AM - 08:20 AM	58.4	52.3
03:00 AM - 03:05 AM	48.8	45.6	05:40 AM - 05:45 AM	57.5	48.2	08:20 AM - 08:25 AM	61.1	52.0
03:05 AM - 03:10 AM	47.4	44.5	05:45 AM - 05:50 AM	56.7	49.6	08:25 AM - 08:30 AM	55.0	49.5
03:10 AM - 03:15 AM	53.8	45.1	05:50 AM - 05:55 AM	59.5	50.2	08:30 AM - 08:35 AM	55.7	48.7
03:15 AM - 03:20 AM	59.2	45.9	05:55 AM - 06:00 AM	58.9	50.3	08:35 AM - 08:40 AM	55.5	48.6
03:20 AM - 03:25 AM	48.3	45.3	06:00 AM - 06:05 AM	57.0	50.1	08:40 AM - 08:45 AM	57.2	47.9
03:25 AM - 03:30 AM	57.3	44.3	06:05 AM - 06:10 AM	57.7	49.1	08:45 AM - 08:50 AM	56.7	47.6
03:30 AM - 03:35 AM	53.2	45.6	06:10 AM - 06:15 AM	58.5	49.0	08:50 AM - 08:55 AM	60.6	49.0
03:35 AM - 03:40 AM	47.7	44.6	06:15 AM - 06:20 AM	56.1	50.8	08:55 AM - 09:00 AM	53.8	47.7

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Approved by



Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

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

Lot ID: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020714-1

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

Page 3 of 3

Sample Number : 2417320-13
Parameter : Noise Level (Leq 5 min)
Location : ฐานตรวจวัด-ด้านประจักษ์ (GPS 47P 0735531, 1402769)
Measurement Date : Jun 05 - Jun 06, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 06, 2024	Leq	L90	Jun 06, 2024	Leq	L90	Jun 06, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	56.1	48.0	11:40 AM - 11:45 AM	54.7	50.3	02:20 PM - 02:25 PM	55.5	48.3
09:05 AM - 09:10 AM	51.3	47.2	11:45 AM - 11:50 AM	55.7	50.0	02:25 PM - 02:30 PM	55.1	46.6
09:10 AM - 09:15 AM	58.1	47.3	11:50 AM - 11:55 AM	59.1	49.0	02:30 PM - 02:35 PM	53.1	47.2
09:15 AM - 09:20 AM	55.7	46.9	11:55 AM - 12:00 PM	58.4	49.8	02:35 PM - 02:40 PM	51.4	47.8
09:20 AM - 09:25 AM	55.5	46.7	12:00 PM - 12:05 PM	53.3	46.3	02:40 PM - 02:45 PM	52.2	45.5
09:25 AM - 09:30 AM	56.4	48.0	12:05 PM - 12:10 PM	52.8	45.2	02:45 PM - 02:50 PM	52.6	47.2
09:30 AM - 09:35 AM	58.3	47.1	12:10 PM - 12:15 PM	53.3	48.2	02:50 PM - 02:55 PM	52.5	46.6
09:35 AM - 09:40 AM	54.7	47.4	12:15 PM - 12:20 PM	53.2	47.7	02:55 PM - 03:00 PM	53.7	48.2
09:40 AM - 09:45 AM	55.7	46.7	12:20 PM - 12:25 PM	56.7	48.3	03:00 PM - 03:05 PM	55.3	48.5
09:45 AM - 09:50 AM	58.1	48.0	12:25 PM - 12:30 PM	55.1	47.2	03:05 PM - 03:10 PM	53.3	47.7
09:50 AM - 09:55 AM	55.7	47.8	12:30 PM - 12:35 PM	54.5	49.7	03:10 PM - 03:15 PM	55.8	48.8
09:55 AM - 10:00 AM	55.8	46.2	12:35 PM - 12:40 PM	56.1	49.2	03:15 PM - 03:20 PM	60.2	49.7
10:00 AM - 10:05 AM	55.2	46.1	12:40 PM - 12:45 PM	55.5	49.3	03:20 PM - 03:25 PM	61.5	49.0
10:05 AM - 10:10 AM	53.7	45.2	12:45 PM - 12:50 PM	57.0	49.2	03:25 PM - 03:30 PM	60.3	52.4
10:10 AM - 10:15 AM	53.2	45.0	12:50 PM - 12:55 PM	54.2	48.5	03:30 PM - 03:35 PM	60.0	54.3
10:15 AM - 10:20 AM	54.4	46.1	12:55 PM - 01:00 PM	56.5	49.3	03:35 PM - 03:40 PM	53.1	48.7
10:20 AM - 10:25 AM	52.6	46.4	01:00 PM - 01:05 PM	53.3	47.5	03:40 PM - 03:45 PM	56.1	49.9
10:25 AM - 10:30 AM	52.9	46.4	01:05 PM - 01:10 PM	52.8	47.6	03:45 PM - 03:50 PM	52.9	48.4
10:30 AM - 10:35 AM	51.8	47.0	01:10 PM - 01:15 PM	52.5	46.1	03:50 PM - 03:55 PM	56.9	50.1
10:35 AM - 10:40 AM	58.8	47.9	01:15 PM - 01:20 PM	54.5	47.5	03:55 PM - 04:00 PM	57.9	51.2
10:40 AM - 10:45 AM	50.4	45.0	01:20 PM - 01:25 PM	52.8	49.0	04:00 PM - 04:05 PM	57.4	48.2
10:45 AM - 10:50 AM	53.9	44.2	01:25 PM - 01:30 PM	55.9	46.0	04:05 PM - 04:10 PM	59.7	51.8
10:50 AM - 10:55 AM	52.2	46.5	01:30 PM - 01:35 PM	57.5	46.6	04:10 PM - 04:15 PM	59.4	53.7
10:55 AM - 11:00 AM	53.2	46.1	01:35 PM - 01:40 PM	52.8	47.6	04:15 PM - 04:20 PM	58.9	53.8
11:00 AM - 11:05 AM	53.8	46.8	01:40 PM - 01:45 PM	56.4	48.2	04:20 PM - 04:25 PM	58.6	53.8
11:05 AM - 11:10 AM	55.4	49.2	01:45 PM - 01:50 PM	57.3	50.9	04:25 PM - 04:30 PM	58.1	53.4
11:10 AM - 11:15 AM	57.0	50.1	01:50 PM - 01:55 PM	56.4	47.5	04:30 PM - 04:35 PM	57.8	50.6
11:15 AM - 11:20 AM	54.2	48.5	01:55 PM - 02:00 PM	54.7	47.3	04:35 PM - 04:40 PM	54.7	48.8
11:20 AM - 11:25 AM	53.1	48.0	02:00 PM - 02:05 PM	56.6	53.7	04:40 PM - 04:45 PM	55.9	50.0
11:25 AM - 11:30 AM	56.1	49.1	02:05 PM - 02:10 PM	56.9	48.3	04:45 PM - 04:50 PM	57.6	50.9
11:30 AM - 11:35 AM	57.3	48.1	02:10 PM - 02:15 PM	59.8	47.2	04:50 PM - 04:55 PM	56.4	50.4
11:35 AM - 11:40 AM	57.3	49.4	02:15 PM - 02:20 PM	60.6	48.2	04:55 PM - 05:00 PM	55.7	50.0

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Approved by



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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020715-1

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

Page 1 of 3

Sample Number : 2417320-14
Parameter : Noise Level (Leq 5 min)
Location : ถนนสายอุตสาหกรรม-ถาวร (GPS 47P 0735531, 1402769)
Measurement Date : Jun 06 - Jun 07, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 06, 2024	Leq	L90	Jun 06, 2024	Leq	L90	Jun 06 - Jun 07, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
05:00 PM - 05:05 PM	59.5	51.0	07:40 PM - 07:45 PM	54.1	49.9	10:20 PM - 10:25 PM	56.0	50.2
05:05 PM - 05:10 PM	58.0	50.4	07:45 PM - 07:50 PM	55.7	50.2	10:25 PM - 10:30 PM	55.6	50.5
05:10 PM - 05:15 PM	55.1	50.5	07:50 PM - 07:55 PM	56.5	51.9	10:30 PM - 10:35 PM	62.0	48.4
05:15 PM - 05:20 PM	54.5	50.0	07:55 PM - 08:00 PM	57.1	51.9	10:35 PM - 10:40 PM	54.0	48.4
05:20 PM - 05:25 PM	55.4	49.5	08:00 PM - 08:05 PM	56.5	51.6	10:40 PM - 10:45 PM	57.2	47.3
05:25 PM - 05:30 PM	55.4	50.1	08:05 PM - 08:10 PM	54.8	50.7	10:45 PM - 10:50 PM	53.4	48.4
05:30 PM - 05:35 PM	54.8	50.6	08:10 PM - 08:15 PM	56.8	52.1	10:50 PM - 10:55 PM	53.9	48.4
05:35 PM - 05:40 PM	56.4	51.7	08:15 PM - 08:20 PM	58.8	52.5	10:55 PM - 11:00 PM	53.8	49.5
05:40 PM - 05:45 PM	57.3	50.9	08:20 PM - 08:25 PM	60.3	51.8	11:00 PM - 11:05 PM	52.3	48.1
05:45 PM - 05:50 PM	57.3	51.8	08:25 PM - 08:30 PM	54.4	50.5	11:05 PM - 11:10 PM	53.6	48.0
05:50 PM - 05:55 PM	56.3	51.4	08:30 PM - 08:35 PM	61.2	52.9	11:10 PM - 11:15 PM	51.4	47.1
05:55 PM - 06:00 PM	57.0	52.4	08:35 PM - 08:40 PM	61.4	49.9	11:15 PM - 11:20 PM	52.5	46.8
06:00 PM - 06:05 PM	58.6	51.2	08:40 PM - 08:45 PM	62.4	50.4	11:20 PM - 11:25 PM	52.7	47.1
06:05 PM - 06:10 PM	56.0	52.2	08:45 PM - 08:50 PM	56.5	50.7	11:25 PM - 11:30 PM	53.0	47.4
06:10 PM - 06:15 PM	57.0	51.2	08:50 PM - 08:55 PM	61.4	50.9	11:30 PM - 11:35 PM	55.1	46.4
06:15 PM - 06:20 PM	58.4	51.3	08:55 PM - 09:00 PM	58.2	50.2	11:35 PM - 11:40 PM	56.9	47.7
06:20 PM - 06:25 PM	55.1	51.9	09:00 PM - 09:05 PM	58.8	50.8	11:40 PM - 11:45 PM	52.2	47.6
06:25 PM - 06:30 PM	57.8	53.1	09:05 PM - 09:10 PM	55.6	50.6	11:45 PM - 11:50 PM	53.1	47.3
06:30 PM - 06:35 PM	58.6	52.5	09:10 PM - 09:15 PM	57.4	49.1	11:50 PM - 11:55 PM	57.8	47.5
06:35 PM - 06:40 PM	56.2	51.6	09:15 PM - 09:20 PM	55.6	50.3	11:55 PM - 12:00 AM	54.9	49.0
06:40 PM - 06:45 PM	55.1	51.9	09:20 PM - 09:25 PM	55.0	50.0	12:00 AM - 12:05 AM	64.8	48.7
06:45 PM - 06:50 PM	55.4	52.8	09:25 PM - 09:30 PM	54.0	50.2	12:05 AM - 12:10 AM	54.8	48.6
06:50 PM - 06:55 PM	56.6	51.3	09:30 PM - 09:35 PM	55.5	49.8	12:10 AM - 12:15 AM	51.8	47.6
06:55 PM - 07:00 PM	56.7	51.3	09:35 PM - 09:40 PM	54.3	48.9	12:15 AM - 12:20 AM	54.5	47.7
07:00 PM - 07:05 PM	57.5	51.9	09:40 PM - 09:45 PM	54.5	49.9	12:20 AM - 12:25 AM	58.8	46.2
07:05 PM - 07:10 PM	54.5	50.3	09:45 PM - 09:50 PM	54.6	50.9	12:25 AM - 12:30 AM	50.6	45.7
07:10 PM - 07:15 PM	56.9	51.4	09:50 PM - 09:55 PM	55.5	50.6	12:30 AM - 12:35 AM	50.1	45.6
07:15 PM - 07:20 PM	54.8	50.0	09:55 PM - 10:00 PM	55.1	50.7	12:35 AM - 12:40 AM	47.4	45.3
07:20 PM - 07:25 PM	54.8	49.8	10:00 PM - 10:05 PM	54.2	50.5	12:40 AM - 12:45 AM	63.0	45.8
07:25 PM - 07:30 PM	57.1	50.6	10:05 PM - 10:10 PM	54.1	50.3	12:45 AM - 12:50 AM	52.8	44.6
07:30 PM - 07:35 PM	55.2	50.5	10:10 PM - 10:15 PM	54.6	50.0	12:50 AM - 12:55 AM	54.0	44.3
07:35 PM - 07:40 PM	55.0	50.0	10:15 PM - 10:20 PM	55.4	49.9	12:55 AM - 01:00 AM	52.1	43.9

Approved by

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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020715-1

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

Page 2 of 3

Sample Number : 2417320-14
Parameter : Noise Level (Leq 5 min)
Location : ถนนสายอุตสาหกรรม-ถาวร (GPS 47P 0735531, 1402769)
Measurement Date : Jun 06 - Jun 07, 2024
Measurement by : Panuwat Wangbong
Sound Level meter : Serial No. 01122567

Jun 07, 2024	Leq	L90	Jun 07, 2024	Leq	L90	Jun 07, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
01:00 AM - 01:05 AM	53.6	43.5	03:40 AM - 03:45 AM	50.9	43.5	06:20 AM - 06:25 AM	57.6	50.2
01:05 AM - 01:10 AM	54.8	43.9	03:45 AM - 03:50 AM	57.0	45.0	06:25 AM - 06:30 AM	56.6	50.7
01:10 AM - 01:15 AM	48.5	43.7	03:50 AM - 03:55 AM	57.1	45.2	06:30 AM - 06:35 AM	56.5	52.1
01:15 AM - 01:20 AM	47.1	43.7	03:55 AM - 04:00 AM	55.9	45.8	06:35 AM - 06:40 AM	56.4	48.4
01:20 AM - 01:25 AM	48.5	43.1	04:00 AM - 04:05 AM	57.1	46.3	06:40 AM - 06:45 AM	56.3	52.7
01:25 AM - 01:30 AM	55.9	44.8	04:05 AM - 04:10 AM	60.4	46.0	06:45 AM - 06:50 AM	55.7	50.5
01:30 AM - 01:35 AM	47.1	44.1	04:10 AM - 04:15 AM	58.2	47.0	06:50 AM - 06:55 AM	61.5	51.9
01:35 AM - 01:40 AM	51.2	43.4	04:15 AM - 04:20 AM	61.3	47.6	06:55 AM - 07:00 AM	59.1	49.2
01:40 AM - 01:45 AM	50.9	44.3	04:20 AM - 04:25 AM	59.6	52.9	07:00 AM - 07:05 AM	56.6	51.8
01:45 AM - 01:50 AM	56.2	44.9	04:25 AM - 04:30 AM	58.7	47.9	07:05 AM - 07:10 AM	56.1	49.2
01:50 AM - 01:55 AM	50.5	44.0	04:30 AM - 04:35 AM	58.5	47.5	07:10 AM - 07:15 AM	56.5	49.3
01:55 AM - 02:00 AM	50.6	43.6	04:35 AM - 04:40 AM	57.7	48.1	07:15 AM - 07:20 AM	57.5	50.6
02:00 AM - 02:05 AM	48.4	43.9	04:40 AM - 04:45 AM	57.0	48.6	07:20 AM - 07:25 AM	59.2	49.5
02:05 AM - 02:10 AM	55.4	43.8	04:45 AM - 04:50 AM	56.4	48.4	07:25 AM - 07:30 AM	58.1	50.7
02:10 AM - 02:15 AM	53.3	44.1	04:50 AM - 04:55 AM	60.1	53.8	07:30 AM - 07:35 AM	56.1	49.2
02:15 AM - 02:20 AM	54.1	43.9	04:55 AM - 05:00 AM	60.0	50.6	07:35 AM - 07:40 AM	59.3	52.9
02:20 AM - 02:25 AM	46.3	43.0	05:00 AM - 05:05 AM	58.8	50.5	07:40 AM - 07:45 AM	57.3	48.5
02:25 AM - 02:30 AM	47.7	43.5	05:05 AM - 05:10 AM	57.5	50.4	07:45 AM - 07:50 AM	55.8	50.6
02:30 AM - 02:35 AM	50.4	43.4	05:10 AM - 05:15 AM	59.9	50.5	07:50 AM - 07:55 AM	54.4	48.0
02:35 AM - 02:40 AM	56.8	43.9	05:15 AM - 05:20 AM	57.7	47.0	07:55 AM - 08:00 AM	55.2	47.4
02:40 AM - 02:45 AM	59.1	43.6	05:20 AM - 05:25 AM	53.8	46.3	08:00 AM - 08:05 AM	57.9	49.4
02:45 AM - 02:50 AM	60.3	43.9	05:25 AM - 05:30 AM	54.4	50.1	08:05 AM - 08:10 AM	57.4	49.5
02:50 AM - 02:55 AM	58.0	43.8	05:30 AM - 05:35 AM	52.0	47.0	08:10 AM - 08:15 AM	54.1	48.6
02:55 AM - 03:00 AM	51.0	43.6	05:35 AM - 05:40 AM	54.9	48.1	08:15 AM - 08:20 AM	53.1	48.0
03:00 AM - 03:05 AM	51.8	44.0	05:40 AM - 05:45 AM	55.5	47.6	08:20 AM - 08:25 AM	53.8	48.7
03:05 AM - 03:10 AM	61.2	44.9	05:45 AM - 05:50 AM	56.1	49.0	08:25 AM - 08:30 AM	54.4	48.4
03:10 AM - 03:15 AM	60.9	44.5	05:50 AM - 05:55 AM	59.8	49.8	08:30 AM - 08:35 AM	53.8	47.4
03:15 AM - 03:20 AM	61.3	43.9	05:55 AM - 06:00 AM	57.6	51.8	08:35 AM - 08:40 AM	52.5	46.9
03:20 AM - 03:25 AM	53.3	44.7	06:00 AM - 06:05 AM	56.6	49.8	08:40 AM - 08:45 AM	58.1	47.3
03:25 AM - 03:30 AM	59.6	43.3	06:05 AM - 06:10 AM	60.2	49.1	08:45 AM - 08:50 AM	52.8	47.0
03:30 AM - 03:35 AM	61.9	44.3	06:10 AM - 06:15 AM	54.6	49.3	08:50 AM - 08:55 AM	51.3	46.4
03:35 AM - 03:40 AM	62.7	44.1	06:15 AM - 06:20 AM	55.2	51.4	08:55 AM - 09:00 AM	55.6	48.4

Approved by

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: 2417320
Date Received : Jun 10, 2024
Date Reported : Jun 12, 2024
Report Number : 3020715-1

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

Page 3 of 3

Sample Number 2417320-14
Parameter Noise Level (Leq 5 min)
Location เขตอุตสาหกรรม-ธาราประทุม (GPS 47P 0735531, 1402769)
Measurement Date Jun 06 - Jun 07, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 01122567

Jun 07, 2024	Leq	L90	Jun 07, 2024	Leq	L90	Jun 07, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
09:00 AM - 09:05 AM	53.4	47.0	11:40 AM - 11:45 AM	54.1	49.5	02:20 PM - 02:25 PM	56.2	46.2
09:05 AM - 09:10 AM	57.2	46.6	11:45 AM - 11:50 AM	59.1	52.2	02:25 PM - 02:30 PM	55.0	47.2
09:10 AM - 09:15 AM	54.4	46.8	11:50 AM - 11:55 AM	56.7	52.1	02:30 PM - 02:35 PM	57.0	48.7
09:15 AM - 09:20 AM	54.7	48.6	11:55 AM - 12:00 PM	59.6	52.1	02:35 PM - 02:40 PM	51.8	47.5
09:20 AM - 09:25 AM	55.0	48.4	12:00 PM - 12:05 PM	62.2	51.4	02:40 PM - 02:45 PM	51.7	48.6
09:25 AM - 09:30 AM	52.9	48.3	12:05 PM - 12:10 PM	53.1	50.0	02:45 PM - 02:50 PM	51.9	47.5
09:30 AM - 09:35 AM	52.0	48.3	12:10 PM - 12:15 PM	52.3	49.3	02:50 PM - 02:55 PM	51.4	47.8
09:35 AM - 09:40 AM	52.9	48.7	12:15 PM - 12:20 PM	57.5	49.5	02:55 PM - 03:00 PM	54.8	49.5
09:40 AM - 09:45 AM	56.4	48.7	12:20 PM - 12:25 PM	52.9	49.4	03:00 PM - 03:05 PM	53.2	49.4
09:45 AM - 09:50 AM	55.6	47.3	12:25 PM - 12:30 PM	56.6	49.9	03:05 PM - 03:10 PM	51.7	47.6
09:50 AM - 09:55 AM	50.5	46.0	12:30 PM - 12:35 PM	56.3	49.0	03:10 PM - 03:15 PM	53.5	48.3
09:55 AM - 10:00 AM	51.2	45.5	12:35 PM - 12:40 PM	52.0	49.1	03:15 PM - 03:20 PM	51.0	46.1
10:00 AM - 10:05 AM	53.3	46.5	12:40 PM - 12:45 PM	55.3	49.3	03:20 PM - 03:25 PM	52.1	46.6
10:05 AM - 10:10 AM	52.2	47.1	12:45 PM - 12:50 PM	54.7	49.3	03:25 PM - 03:30 PM	58.7	48.1
10:10 AM - 10:15 AM	52.1	47.0	12:50 PM - 12:55 PM	53.5	49.3	03:30 PM - 03:35 PM	53.3	46.4
10:15 AM - 10:20 AM	52.3	46.6	12:55 PM - 01:00 PM	56.0	50.0	03:35 PM - 03:40 PM	53.6	46.7
10:20 AM - 10:25 AM	54.0	47.7	01:00 PM - 01:05 PM	52.5	48.5	03:40 PM - 03:45 PM	51.1	47.3
10:25 AM - 10:30 AM	54.7	48.1	01:05 PM - 01:10 PM	52.2	46.4	03:45 PM - 03:50 PM	53.2	48.0
10:30 AM - 10:35 AM	53.6	46.6	01:10 PM - 01:15 PM	51.4	47.1	03:50 PM - 03:55 PM	55.5	49.8
10:35 AM - 10:40 AM	53.3	47.3	01:15 PM - 01:20 PM	52.3	47.3	03:55 PM - 04:00 PM	53.5	49.2
10:40 AM - 10:45 AM	52.0	47.4	01:20 PM - 01:25 PM	53.8	47.8	04:00 PM - 04:05 PM	53.8	49.8
10:45 AM - 10:50 AM	55.0	49.5	01:25 PM - 01:30 PM	55.7	47.3	04:05 PM - 04:10 PM	53.5	49.7
10:50 AM - 10:55 AM	53.4	47.2	01:30 PM - 01:35 PM	59.0	46.4	04:10 PM - 04:15 PM	53.6	49.6
10:55 AM - 11:00 AM	52.5	47.7	01:35 PM - 01:40 PM	53.6	47.5	04:15 PM - 04:20 PM	57.7	53.9
11:00 AM - 11:05 AM	56.6	48.0	01:40 PM - 01:45 PM	55.0	47.5	04:20 PM - 04:25 PM	56.9	51.5
11:05 AM - 11:10 AM	57.6	49.7	01:45 PM - 01:50 PM	56.2	50.9	04:25 PM - 04:30 PM	57.7	53.7
11:10 AM - 11:15 AM	52.7	48.2	01:50 PM - 01:55 PM	51.3	46.8	04:30 PM - 04:35 PM	57.0	53.0
11:15 AM - 11:20 AM	54.6	49.5	01:55 PM - 02:00 PM	52.2	47.9	04:35 PM - 04:40 PM	57.8	53.2
11:20 AM - 11:25 AM	54.6	48.7	02:00 PM - 02:05 PM	52.9	46.4	04:40 PM - 04:45 PM	56.8	50.6
11:25 AM - 11:30 AM	57.4	49.6	02:05 PM - 02:10 PM	55.7	49.8	04:45 PM - 04:50 PM	61.4	51.4
11:30 AM - 11:35 AM	57.2	48.1	02:10 PM - 02:15 PM	53.2	48.3	04:50 PM - 04:55 PM	57.2	51.8
11:35 AM - 11:40 AM	52.9	48.5	02:15 PM - 02:20 PM	53.8	47.0	04:55 PM - 05:00 PM	56.6	50.8

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

Approved by

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
Scientist (4)

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: 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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Supot Salamteh
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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: 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

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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: 2417275

Date Received : Mar 26, 2024

Date Reported : Apr 02, 2024

Report Number : 2954045-1

Page 1 of 1

Sample Number 2417275-1
Parameter Octave band
Location Solvent Recovery Unit 1
Measurement Date Mar 25, 2024
Measurement By Pipat Nipatsed

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
09:13 AM - 10:13 AM	86.0	28.5	46.6	52.8	65.8	69.4	81.4	80.4	80.4	74.5	65.9	50.6
10:13 AM - 11:13 AM	86.1	28.6	46.5	53.3	65.4	69.2	80.8	81.2	80.4	74.6	65.2	50.1
11:13 AM - 12:13 PM	84.4	28.7	46.5	53.8	65.0	68.9	80.9	77.9	78.2	71.5	63.8	49.1
12:13 PM - 01:13 PM	84.4	28.3	46.3	53.7	64.9	68.9	81.1	77.8	77.7	71.9	64.0	48.9
01:13 PM - 02:13 PM	84.7	28.7	46.5	53.9	65.0	69.0	81.7	77.9	77.6	71.8	63.8	49.1
02:13 PM - 03:13 PM	84.9	29.0	46.4	53.9	64.8	68.8	82.0	77.8	77.7	72.0	63.8	49.1
03:13 PM - 04:13 PM	85.0	28.6	46.5	53.9	65.0	69.0	82.0	78.0	78.3	72.1	64.0	49.2
04:13 PM - 05:13 PM	85.2	29.6	46.6	54.1	65.1	69.2	82.2	78.3	78.5	72.3	63.9	49.4
Average	85.1	28.8	46.5	53.7	65.1	69.1	81.5	78.9	78.7	72.8	64.4	49.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
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: 2417275

Date Received : Mar 26, 2024

Date Reported : Apr 02, 2024

Report Number : 2954046-1

Page 1 of 1

Sample Number 2417275-2
Parameter Octave band
Location Solvent Recovery Unit 2
Measurement Date Mar 25, 2024
Measurement By Pipat Nipatsed

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
09:03 AM - 10:03 AM	84.6	27.4	44.9	52.1	62.9	69.8	81.8	77.8	77.0	71.9	65.3	50.0
10:03 AM - 11:03 AM	85.5	27.9	45.2	52.2	63.5	70.3	82.1	79.7	78.0	72.4	65.8	50.3
11:03 AM - 12:03 PM	85.4	27.8	45.4	52.1	63.3	69.8	81.2	80.6	78.4	72.8	66.4	50.7
12:03 PM - 01:03 PM	84.8	27.6	45.2	51.8	63.2	69.7	81.6	78.2	77.7	72.5	66.5	50.3
01:03 PM - 02:03 PM	85.0	27.8	45.3	52.0	63.3	69.8	81.8	78.4	77.9	72.7	66.3	50.4
02:03 PM - 03:03 PM	85.5	28.1	45.3	52.1	63.2	69.7	82.8	78.4	77.8	72.6	66.2	50.5
03:03 PM - 04:03 PM	85.2	27.9	45.3	52.1	63.3	69.7	82.0	78.5	78.1	72.9	66.3	50.5
04:03 PM - 05:03 PM	84.8	28.5	45.3	52.3	63.3	69.7	81.1	78.7	78.0	72.9	66.1	50.4
Average	85.1	27.9	45.2	52.1	63.3	69.8	81.8	78.9	77.9	72.6	66.1	50.4

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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S:\Reports_Air Noise_Octave band.rpt (8:49AM)



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: 2443250
Date Received : Jun 10, 2024
Date Reported : Jun 18, 2024
Report Number : 3027938-1

Page 1 of 1

Sample Number 2443250-1
Parameter Octave band
Location Solvent Recovery Unit 1
Measurement Date Jun 07, 2024
Measurement By Jittakorn Sriwasa

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
09:09 AM - 10:09 AM	89.3	21.6	46.6	56.4	63.7	68.1	88.1	79.4	79.6	72.3	63.2	52.7
10:06 AM - 11:06 AM	84.7	21.6	46.4	56.3	63.9	68.3	80.2	79.3	79.0	72.3	63.2	52.7
11:06 AM - 12:06 PM	84.9	21.7	46.5	56.3	63.8	68.3	80.9	79.0	79.1	72.3	63.2	52.7
12:06 PM - 01:06 PM	84.8	21.7	46.6	56.3	63.8	68.3	80.7	78.7	79.2	72.2	63.1	52.6
01:06 PM - 02:06 PM	85.3	21.8	46.6	56.3	63.8	68.3	82.0	78.8	79.0	72.2	63.1	52.6
02:06 PM - 03:06 PM	84.7	21.8	46.7	56.4	63.8	68.4	80.3	78.9	79.0	72.3	63.2	52.7
03:06 PM - 04:06 PM	84.6	21.9	46.7	56.4	63.8	68.3	80.2	78.9	78.9	72.2	63.2	52.8
04:06 PM - 05:06 PM	84.5	21.8	46.8	56.5	63.8	68.3	79.9	78.9	78.9	72.3	63.5	53.6
Average	85.7	21.7	46.6	56.4	63.8	68.3	82.6	79.0	79.1	72.3	63.2	52.8

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
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: 2443250
Date Received : Jun 10, 2024
Date Reported : Jun 18, 2024
Report Number : 3027939-1

Page 1 of 1

Sample Number 2443250-2
Parameter Octave band
Location Solvent Recovery Unit 2
Measurement Date Jun 07, 2024
Measurement By Jittakorn Sriwasa

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
09:06 AM - 10:06 AM	81.9	29.8	48.3	54.0	65.0	69.5	73.5	76.6	77.3	72.5	66.0	55.8
10:09 AM - 11:09 AM	82.4	29.6	49.1	54.3	65.3	71.3	75.0	77.5	76.8	72.4	65.6	54.1
11:09 AM - 12:09 PM	81.9	29.5	49.0	54.3	65.4	71.2	74.6	77.4	75.8	71.4	64.4	52.6
12:09 PM - 01:09 PM	81.6	29.6	48.7	53.8	65.0	70.2	73.7	76.9	75.9	71.7	64.7	54.2
01:09 PM - 02:09 PM	81.3	29.7	48.2	53.8	64.8	69.4	73.1	76.1	76.2	72.1	64.4	52.1
02:09 PM - 03:09 PM	81.2	29.9	48.3	53.9	64.9	69.7	73.2	75.9	76.1	72.0	64.5	52.1
03:09 PM - 04:09 PM	81.8	29.9	48.3	53.9	65.2	70.8	74.6	76.5	76.4	71.8	65.1	55.3
04:09 PM - 05:09 PM	81.8	30.1	48.3	53.8	65.2	70.3	74.9	76.1	76.8	71.6	65.2	55.5
Average	81.8	29.8	48.5	54.0	65.1	70.4	74.1	76.7	76.4	72.0	65.0	54.2

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rak Yong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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ภาคผนวก ค-8

ระดับเสียงสะสมที่ตัวบุคคล (Noise Dose)

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงาน
เกี่ยวกับความเสี่ยง แสงสว่าง และเสียงภายในสถานประกอบการ
ตามข้อ ๑๕ แห่งกฎกระทรวงกำหนดมาตรฐานในการบริหาร จัดการ และดำเนินการด้านความปลอดภัย
อาชีวอนามัย และสภาพแวดล้อมในการทำงานเกี่ยวกับความเสี่ยง แสงสว่าง และเสียง พ.ศ. ๒๕๕๙

๑. จ้างทำ (ขอสงวนสิทธิ์) คุณลักษณะ ณัฏฐ์ นายจ้าง/ผู้ดำเนินการแทน
๒. ชื่อสถานประกอบการ บริษัท ดาร์มลูค จำกัด
เลขทะเบียนนิติบุคคล 0105538145319
ประเภทกิจการ ผลิตพลาสติกโพลีเอทิลีน
ที่อยู่เลขที่ 8/1 หมู่ ๖ ต. คลองข่อย อ. อน จ. บุรีรัมย์
ตำบล คลองข่อย หมู่ ๖ ตำบล คลองข่อย อำเภอ อน จังหวัด บุรีรัมย์ รหัสไปรษณีย์ 21150
โทรศัพท์ 0-3667-3000 โทรสาร 0-3668-3991 โทรแฟกซ์ -

๓. การดำเนินการตรวจวัดและวิเคราะห์ผลการปฏิบัติงาน
☒ บุคคลที่ขึ้นทะเบียนแจ้งความประสงค์ในการทำงานระดับวิชาชีพ หรือบุคคลผู้สำเร็จการศึกษา
ไม่ต่ำกว่าปริญญาตรี สาขาวิชาที่เกี่ยวข้องหรือเทียบเท่าซึ่งทะเบียนแจ้งความประสงค์ในการทำงาน
ของสถานประกอบการ เป็นผู้ดำเนินการเอง (แนบสำเนาเอกสารการขึ้นทะเบียน และสำเนาวุฒิการศึกษา
พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการปฏิบัติงาน	ประเภทของงานด้านความปลอดภัยในการทำงาน	เลขทะเบียนแจ้งความประสงค์ในการทำงาน
๑) นางสาวปัทมिता จุฑาบุตร	เจ้าหน้าที่ความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน	05-221-2566-000506

รายการผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงาน

- ☐ แผนรายงานผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเกี่ยวกับความเสี่ยง (แบบ รสส. ๑)
☐ แผนรายงานผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
☒ แผนรายงานผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเกี่ยวกับเสียง (แบบ รสส. ๓)

☒ บุคคลที่ได้รับใบขึ้นทะเบียนตามมาตรา ๙ หรือนิติบุคคลที่ได้รับใบอนุญาตตามมาตรา ๑๑
แห่งพระราชบัญญัติความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน พ.ศ. ๒๕๕๙
(แนบสำเนาเอกสารใบขึ้นทะเบียนใบอนุญาตตามมาตรา ๙ หรือมาตรา ๑๑ พร้อมรับรองความถูกต้อง)

ชื่อ-นามสกุลบุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการปฏิบัติงาน	เลขที่ใบขึ้นทะเบียนเลขที่ใบอนุญาต	ระยะเวลาที่ได้รับใบขึ้นทะเบียนและได้รับใบอนุญาตตั้งแต่วันที่ ๑ ถึง วันที่ ๓๑
๑)		

หมายเหตุ: สามารถเพิ่มบุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเป็นลำดับในตาราง

รายการผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงาน

- ☐ แผนรายงานผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเกี่ยวกับความเสี่ยง (แบบ รสส. ๑)
☐ แผนรายงานผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
☐ แผนรายงานผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเกี่ยวกับเสียง (แบบ รสส. ๓)

ลงชื่อ Ph (นางสาวปัทมिता จุฑาบุตร) ลงชื่อ Darmluck C. (นายสารคุณลักษณะ ณัฏฐ์)
บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการปฏิบัติงาน นายจ้าง/ผู้ดำเนินการแทน

General Business

แบบ รสส. ๓

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเกี่ยวกับเสียง

๑. วัน เดือน ปี ที่ตรวจวัด 22 กุมภาพันธ์ 2567 และ 31 มีนาคม 2567

๒. เครื่องมือที่ใช้ในการตรวจวัด (กรณีที่ใช้เครื่องตรวจวัดมากกว่า ๑ เครื่อง ให้เพิ่มข้อมูลเป็นลำดับในตาราง)

ชนิดประเภทเครื่องตรวจวัดระดับความดังเสียง (SLM Noise Dosimeter)	ยี่ห้อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	วันเดือนปี (ปรับเทียบความถูกต้อง)	หมายเหตุ
๑) Noise Dose Meter	QUEST / NP-DL	NXQ100038	IEC 651 - 1979	30 พฤษภาคม 2566	

๓. อุปกรณ์ที่ใช้ในการปรับเทียบความถูกต้องของเครื่องตรวจวัดระดับความดังเสียง

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

๔. ผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง Sound Level Meter (SLM)

ลำดับของ SEG ^a	บริเวณที่ทำการตรวจวัด ^b	ชื่อ-นามสกุลของลูกจ้างในแต่ละ SEG	ระยะเวลาการปฏิบัติงานของพนักงาน (ชั่วโมง/นาที)	พื้นที่ทำงาน ^c	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง ^d (dBA)	ผลการประเมิน e (ระบุเกินเกณฑ์หรือไม่เกินเกณฑ์)	ข้อเสนอแนะและวิธีการปรับปรุงแก้ไข ^f
					ความดังเสียง (dBA)	ระยะเวลาการตรวจวัด (ชั่วโมง/นาที)			
๑	-	-	-	-	-	-	-	-	-

- หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งสัมผัสผลการปฏิบัติงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานบริเวณที่ปฏิบัติงานเหมือนกัน
๒) บริเวณที่ทำการตรวจวัด ไม่จำกัดเฉพาะพื้นที่ที่ดำเนินการตรวจวัดระดับความดังเสียงเป็นเอกสารแนบ
๓) กรณีที่พนักงานสัมผัสเสียงดังในบริเวณตรวจวัดหลายจุดทำงาน (หลายสถานที่) สามารถเพิ่มพื้นที่ทำงานในตารางได้
๔) ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในหนึ่งสัปดาห์ได้ประมวลผลโดยโปรแกรมคอมพิวเตอร์ความปลอดภัยส่วนบุคคล
๕) ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ลูกจ้างได้รับเฉลี่ยตลอดระยะเวลาการทำงานในแต่ละวัน ลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ หรือ ๓
๖) กรณีผลการประเมินเกินมาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ Ph
(นางสาวปัทมिता จุฑาบุตร)
บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการปฏิบัติงาน

ลงชื่อ Darmluck C.
(นายสารคุณลักษณะ ณัฏฐ์)
นายจ้าง/ผู้ดำเนินการแทน

General Business

แบบรายงานผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียง

๑. วัน เดือน ปี ที่ตรวจวัด 29 - 30 พฤษภาคม 2567

๒. เครื่องมือที่ใช้ในการตรวจวัด (กรณีที่ใช้เครื่องตรวจวัดมากกว่า ๑ เครื่อง ให้เพิ่มข้อมูลเป็นลำดับในตาราง)

ชนิด/ประเภทเครื่องตรวจวัด ระดับความดังเสียง (SLM/Noise Dosimeter)	ยี่ห้อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	วันเดือนปี (นับเทียบความถูกต้อง)	หมายเหตุ
a) Noise Dose Meter	QUEST / NP-DL	NXQ100038	IEC 651 - 1979	24 เมษายน 2567	

๓. อุปกรณ์ที่ใช้ในการเปรียบเทียบความถูกต้องของเครื่องตรวจวัดระดับความดังเสียง

อุปกรณ์/รับเทียบความถูกต้อง	ยี่ห้อ/รุ่น	หมายเลขเครื่อง (Serial Number)	มาตรฐานเครื่อง	หมายเหตุ
a) Sound calibrator	QUEST/OC-10	QIC100060	ANSI S1.40-1994 และ IEC 942:1988 Class 1	

๔. ผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง Sound Level Meter (SLM)

ลำดับ รหัสด SEG*	บริเวณที่ทำการตรวจวัด*	ชื่อ-นามสกุลของผู้ออกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที)	พื้นที่ทำงาน*	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA)	ผลการประเมิน ๘ (ระบุว่าเป็นเกณฑ์ ไม่เกินเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข*
					ความดังเสียง (dBA)	ระยะเวลาการตรวจวัด (ชั่วโมง/นาที)			
-	-	-	-	-	-	-	-	-	-

- หมายเหตุ
- SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งมีผลผลการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสียงเหมือนกัน
 - บริเวณที่ทำการตรวจวัด ไม่จัดทำแผนผังพื้นที่ที่ดำเนินการตรวจวัดระดับความดังเสียงเป็นเอกสารแนบ
 - กรณีที่มีพนักงานสัมผัสเสียงดังในบริเวณตรวจวัดหลายจุดทำงาน (หลายสถานีงาน/พื้นที่ทำงาน) สามารถเพิ่มพื้นที่ทำงานในตารางได้
 - ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในขณะสวมใส่อุปกรณ์คุ้มครองความปลอดภัยส่วนบุคคล
 - ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ถูกจ้างได้รับเฉลี่ยตลอดระยะเวลาการทำงานในแต่ละวัน ลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓
 - กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ

(นางสาวปาริณี จุฑาบุตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน

ลงชื่อ

Darnluck C.

(นางสาวคุณลักขณ์ ฉายืนบุตร)

นายจ้าง/ผู้มีอำนาจกระทำการแทน

General Business

๕. ผลการตรวจวัดและวิเคราะห์ผลการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง (Noise Dosimeter)

ลำดับ รหัสด SEG*	บริเวณที่ทำการตรวจวัด	ชื่อ-นามสกุลของผู้ออกจ้าง ในแต่ละ SEG	ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที)	ผลการตรวจวัดระดับความดังเสียง		ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA)	ผลการประเมิน ๘ (ระบุว่าเป็นเกณฑ์ ไม่เกินเกณฑ์)	ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข*
				ระยะเวลาการตรวจวัด (ชั่วโมง/นาที)	ปริมาณเสียงสะสม (D) เปอร์เซ็นต์ (%)			
๑.	PE Operator-General 12 hour exposure at Train 1	รายละเอียดตามเอกสารแนบ ๑	720 นาที	626 นาที	40.1	81.0	ไม่เกินเกณฑ์	
๒.	PE Operator-General 12 hour exposure at Train 2		720 นาที	636 นาที	56.4	82.5	ไม่เกินเกณฑ์	

- หมายเหตุ
- SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งมีผลผลการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสียงเหมือนกัน
 - ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในขณะสวมใส่อุปกรณ์คุ้มครองความปลอดภัยส่วนบุคคล
 - ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ถูกจ้างได้รับเฉลี่ยตลอดระยะเวลาการทำงานในแต่ละวัน ลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓ ทำงานในแต่ละวัน
 - กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ

(นางสาวปาริณี จุฑาบุตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์ผลการทำงาน

ลงชื่อ

Darnluck C.

(นางสาวคุณลักขณ์ ฉายืนบุตร)

นายจ้าง/ผู้มีอำนาจกระทำการแทน

General Business

ภาคผนวก ค-9

คุณภาพน้ำทิ้ง



Analysis / Test Report

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

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 23146704

Date Received : Jan 10, 2024

Date Reported : Jan 19, 2024

Report Number : 2872796-1 C1

Page 1 of 2

Sample Number	23146704-1
Sampling Date	Jan 10, 2024 10:15 AM
Sample Description	Wastewater
Location	Outfall
Date Analysis Commenced	Jan 10, 2024
Condition of Sample	Contained in two amber glass bottles, six glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	31	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	16	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.9	≤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	952	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Changchon

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

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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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 : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 23146704

Date Received : Jan 10, 2024

Date Reported : Jan 19, 2024

Report Number : 2872796-1 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 Khuiyoksul, Thanasoun Namakunna

Remark :

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

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Changchon

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

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Analysis / Test Report

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

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

Lot ID: 23146704
Date Received : Jan 10, 2024
Date Reported : Jan 19, 2024
Report Number : 2872796-3 C1

Page 1 of 1

Sample Number	23146704-1						
Sampling Date	Jan 10, 2024 10:15 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Jan 11, 2024						
Condition of Sample	Contained in two amber glass bottles, six glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	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	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	12.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Sansoen Khuiyoksui , Thanasoun Namakunna

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

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Approved by

Savitree N.

Savitree Noisanglam
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: 23147860
Date Received : Feb 07, 2024
Date Reported : Feb 16, 2024
Report Number : 2873655-1 C1

Page 1 of 2

Sample Number	23147860-1						
Sampling Date	Feb 07, 2024 10:38 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Feb 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	34	≤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	24	≤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	23	≤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	-	-	32.3	≤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	776	≤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

N. Banngkit

Narumon Banchongkit
Supervisor
หมายเลขโทรศัพท์ ๖-323-๖-9445

Approved by

D. Changchon

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

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

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Analysis / Test Report

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

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 23147860

Date Received : Feb 07, 2024

Date Reported : Feb 16, 2024

Report Number : 2873655-1 C1

Page 2 of 2

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

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor

โทรศัพท์ 323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

โทรศัพท์ 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: 23147860

Date Received : Feb 07, 2024

Date Reported : Feb 16, 2024

Report Number : 2873655-3 C1

Page 1 of 1

Sample Number	23147860-1						
Sampling Date	Feb 07, 2024 10:38 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Feb 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	9.96	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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Analysis / Test Report

TESTING
No.0042

Client : Siam Styrene Monomer Co., Ltd.

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

P/O : 4515759206

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)

Lot ID: 244504

Date Received : Mar 06, 2024

Date Reported : Jun 25, 2024

Report Number : 2884612-1 C1

Page 1 of 2

Sample Number	244504-1						
Sampled Date	Mar 06, 2024 10:12 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Mar 06, 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	28	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	17	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	17	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	848	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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Analysis / Test Report

TESTING
No.0042

Client : Siam Styrene Monomer Co., Ltd.

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

P/O : 4515759206

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)

Lot ID: 244504

Date Received : Mar 06, 2024

Date Reported : Jun 25, 2024

Report Number : 2884612-1 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 Hunchainawong ทะเบียนเลขที่ ๖-323-๖-9457 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4515759206
Project Name : Water Testing
Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0009
Lot ID: 244504
Date Received : Mar 06, 2024
Date Reported : Jun 25, 2024
Report Number : 2884612-3 C1

Page 1 of 1

Sample Number	244504-1						
Sampled Date	Mar 06, 2024 10:12 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Mar 07, 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	13.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

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.

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Approved by

Nant Somb

Nanthawadee Somboon
Specialist 2

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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 : Water Testing
Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042
Lot ID: 2429380
Date Received : Apr 03, 2024
Date Reported : Apr 11, 2024
Report Number : 2937271-1 C1

Page 1 of 2

Sample Number	2429380-1						
Sampling Date	Apr 03, 2024 10:14 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Apr 03, 2024						
Condition of Sample	Contained in six glass vials, one amber glass bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
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	34	≤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	15	≤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	14	≤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	-	-	-	6.6	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	-	-	34.0	≤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	872	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
หมายเลขโทรศัพท์ 0-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 0-323-9-9442

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

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Analysis / Test Report

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

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 2429380

Date Received : Apr 03, 2024

Date Reported : Apr 11, 2024

Report Number : 2937271-1 C1

Page 2 of 2

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

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทรศัพท์ ๖-323-๙-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัพท์ 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)

Lot ID: 2429380

Date Received : Apr 03, 2024

Date Reported : Apr 11, 2024

Report Number : 2937271-3 C1

Page 1 of 1

Sample Number	2429380-1						
Sampling Date	Apr 03, 2024 10:14 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Apr 04, 2024						
Condition of Sample	Contained in six glass vials, one amber glass bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Benzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	11.8	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).

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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

Approved by

Savitree N.

Savitree Noisngiam
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: 2442696

Date Received : May 02, 2024

Date Reported : May 10, 2024

Report Number : 2967712-1 C1

Page 1 of 2

Sample Number	2442696-1						
Sampling Date	May 02, 2024 9:48 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	May 02, 2024						
Condition of Sample	Contained in two amber glass bottles, six glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	34.3	≤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	824	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Changchon

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

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Analysis / Test Report

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

P/O :

Project Name : Water Testing

Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 2442696

Date Received : May 02, 2024

Date Reported : May 10, 2024

Report Number : 2967712-1 C1

Page 2 of 2

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

Note : Raw data of COD value (Refer to Lot ID 2442696-1) is 21.8 mg/L

Sampling By : Surawit Narapong , Thanasoun Namakunna

Remark :

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

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Changchon

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

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Analysis / Test Report

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

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

Lot ID: 2442696
Date Received : May 02, 2024
Date Reported : May 10, 2024
Report Number : 2967712-3 C1

Page 1 of 1

Sample Number	2442696-1						
Sampling Date	May 02, 2024 9:48 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	May 03, 2024						
Condition of Sample	Contained in two amber glass bottles, six glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Benzene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Styrene	ug/L	1.5	5	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6200 B	Bangkok
Water Testing							
Total Organic Carbon	mg/L	0.01	0.1	12.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Note : Raw data of COD value (Refer to Lot ID 2442696-1) is 21.8 mg/L

Sampling By : Surawit Narapong , Thanasoun Namakunna

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

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Approved by

Savitree N.

Savitree Noisanglam
Manager

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Analysis / Test Report

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

P/O : 4515759206
Project Name : Water Testing
Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042

Lot ID: 2455651
Date Received : Jun 05, 2024
Date Reported : Jun 25, 2024
Report Number : 2994634-1 C1

Page 1 of 2

Sample Number	2455651-1						
Sampled Date	Jun 05, 2024 10:54 AM						
Sample Description	Wastewater						
Location	Outfall						
Date Analysis Commenced	Jun 05, 2024						
Condition of Sample	Contained in two amber glass bottles, six glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	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	39	≤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	21	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	18	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	35.0	≤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	752	≤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

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Changchon

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

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4515759206
Project Name : Water Testing
Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0042
Lot ID: 2455651
Date Received : Jun 05, 2024
Date Reported : Jun 25, 2024
Report Number : 2994634-1 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 Hunchainaow ทะเบียนเลขที่ ๖-323-๖-9457 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Changchon

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

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Analysis / Test Report

Client : Siam Styrene Monomer Co., Ltd.
8, I-4 Road, Map Ta Phut Industrial Estate, Maptaphut, Muang, Rayong Thailand 21150
P/O : 4515759206
Project Name : Water Testing
Project Location: Map Ta Phut_PE (SPE)



TESTING
No.0009
Lot ID: 2455651
Date Received : Jun 05, 2024
Date Reported : Jun 25, 2024
Report Number : 2994634-3 C1

Page 1 of 1

Sample Number 2455651-1
Sampled Date Jun 05, 2024 10:54 AM
Sample Description Wastewater
Location Outfall
Date Analysis Commenced Jun 06, 2024
Condition of Sample Contained in two amber glass bottles, six glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	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	16.9	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).
Sampled By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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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 :
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042
Lot ID: 23146706
Date Received : Jan 16, 2024
Date Reported : Jan 24, 2024
Report Number : 2872873-1

Page 1 of 2

Sample Number	23146706-1
Sampled Date	Jan 10, 2024 8:55 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jan 16, 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	<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	26	≤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	18	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	16	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.6	≤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	286	≤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	7.7	≤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

N. Banchon

Narumon Banchongkit
Supervisor
หมายเลขที่ 7-323-9-9445

Approved by

D. Chumon

Dej Changchon
Senior Manager
หมายเลขที่ 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 :
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042
Lot ID: 23146706
Date Received : Jan 16, 2024
Date Reported : Jan 24, 2024
Report Number : 2872873-1

Page 2 of 2

Sample Number	23146706-1
Sampled Date	Jan 10, 2024 8:55 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jan 16, 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	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 : Sansoen Khuiyoksui หมายเลขที่ 7-323-9-0005 , Thanasoun Namakunna หมายเลขที่ 7-204-9-8592

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banchon

Narumon Banchongkit
Supervisor
หมายเลขที่ 7-323-9-9445

Approved by

D. Chumon

Dej Changchon
Senior Manager
หมายเลขที่ 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 :

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 23146706

Date Received : Jan 16, 2024

Date Reported : Jan 24, 2024

Report Number : 2872873-2

Page 1 of 1

Sample Number	23146706-1						
Sampled Date	Jan 10, 2024 8:55 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Jan 18, 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	4.73	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)

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor
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 :

Project Name : Water Testing

Project Location : Map Ta Phut_Latex (SSLC)



TESTING

No.0042

Lot ID: 23147863

Date Received : Feb 07, 2024

Date Reported : Feb 15, 2024

Report Number : 2911801-1

Page 1 of 2

Sample Number	23147863-1						
Sampled Date	Feb 07, 2024 9:35 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Feb 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	12.8	≤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	46	≤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	30	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	29	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	304	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	11.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N.Banchongkit

Narumon Banchongkit
Supervisor
หมายเลขที่ 2-323-2-9445

Approved by

D.Changchon

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

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Analysis / Test Report

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

P/O :
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)



TESTING
No.0042
Lot ID: 23147863
Date Received : Feb 07, 2024
Date Reported : Feb 15, 2024
Report Number : 2911801-1

Page 2 of 2

Sample Number	23147863-1
Sampled Date	Feb 07, 2024 9:35 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Feb 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	14	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Sampling By : Wanlop Hunchainaw ทนายณัฏฐ์ วั-323-ฯ-9457 , Pattarapol Sawangjaitam ทนายณัฏฐ์ วั-204-ฯ-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphat

Narumon Banchongkit
Supervisor
ทนายณัฏฐ์ วั-323-ฯ-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทนายณัฏฐ์ วั-323-ฯ-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 :
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 23147863
Date Received : Feb 07, 2024
Date Reported : Feb 15, 2024
Report Number : 2911801-2

Page 1 of 1

Sample Number	23147863-1
Sampled Date	Feb 07, 2024 9:35 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Feb 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	8.24	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Wanlop Hunchainaw , Pattarapol Sawangjaitam

Remark :

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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: 244509
Date Received : Mar 13, 2024
Date Reported : Mar 21, 2024
Report Number : 2884629-1

Page 1 of 2

Sample Number	244509-1						
Sampled Date	Mar 13, 2024 8:45 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Mar 13, 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	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	19	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	18	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	360	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	5.7	≤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

N. Banphit

Narumon Banchongkit
Supervisor
โทรเลขที่ 7-323-9-9445

Approved by

D. Chumon

Dej Changchon
Senior Manager
โทรเลขที่ 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: 244509
Date Received : Mar 13, 2024
Date Reported : Mar 21, 2024
Report Number : 2884629-1

Page 2 of 2

Sample Number	244509-1						
Sampled Date	Mar 13, 2024 8:45 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Mar 13, 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 244509-1) is 9.7 mg/L

Sampling By : Sansoen Khuiyoksul โทรเลขที่ 7-323-9-0005 , Thanasoun Namakunna โทรเลขที่ 7-204-9-0101

Remark :

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

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทรเลขที่ 7-323-9-9445

Approved by

D. Chumon

Dej Changchon
Senior Manager
โทรเลขที่ 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: 244509

Date Received : Mar 13, 2024

Date Reported : Mar 21, 2024

Report Number : 2884629-2

Page 1 of 1

Sample Number	244509-1
Sampled Date	Mar 13, 2024 8:45 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Mar 15, 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	5.58	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 244509-1) is 9.7 mg/L

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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Approved by

Surimon C.

Surimon Chairuangwut
Supervisor
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: 2429384

Date Received : Apr 03, 2024

Date Reported : Apr 11, 2024

Report Number : 2937301-1

Page 1 of 2

Sample Number	2429384-1
Sampled Date	Apr 03, 2024 9:25 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Apr 03, 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	7.8	≤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	39	≤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	31	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	29	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.2	≤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	308	≤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	28.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ 7-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ 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: 2429384

Date Received : Apr 03, 2024

Date Reported : Apr 11, 2024

Report Number : 2937301-1

Page 2 of 2

Sample Number	2429384-1						
Sampled Date	Apr 03, 2024 9:25 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Apr 03, 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 : Wanlop Hunchainaw ทนายความที่ 3-323-3-9457 , Pattarapol Sawangjaitam ทนายความที่ 3-204-3-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphat

Narumon Banchonkit
Supervisor
หมายเลขที่ 3-323-3-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
หมายเลขที่ 3-323-3-9442

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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: 2429384

Date Received : Apr 03, 2024

Date Reported : Apr 11, 2024

Report Number : 2937301-2

Page 1 of 1

Sample Number	2429384-1						
Sampled Date	Apr 03, 2024 9:25 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	Apr 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	7.56	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Wanlop Hunchainaw , Pattarapol Sawangjaitam

Remark :

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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: 2442700
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2967718-1

Page 1 of 2

Sample Number	2442700-1						
Sampled Date	May 03, 2024 9:35 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	May 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	3.5	≤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	21	≤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	21	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	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	352	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	6.4	≤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

N. Banachit

Narumon Banchongkit
Supervisor
โทรเลขเลขที่ 7-323-9-9445

Approved by

D. Changchon

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)



TESTING
No.0042
Lot ID: 2442700
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2967718-1

Page 2 of 2

Sample Number	2442700-1						
Sampled Date	May 03, 2024 9:35 AM						
Sample Description	Wastewater						
Location	Domestic Outlet						
Date Analysis Commenced	May 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	<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 2442700-1) is 23.9 mg/L

Sampling By : Wanlop Hunchainaow โทรเลขเลขที่ 7-323-9-9457 , Thanasoun Namakunna โทรเลขเลขที่ 7-204-9-0101

Remark :

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Technical Management

N. Banachit

Narumon Banchongkit
Supervisor
โทรเลขเลขที่ 7-323-9-9445

Approved by

D. Changchon

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: 2442700

Date Received : May 03, 2024

Date Reported : May 10, 2024

Report Number : 2967718-2

Page 1 of 1

Sample Number	2442700-1
Sampled Date	May 03, 2024 9:35 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	May 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 Organic Carbon	mg/L	0.01	0.1	5.87	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Wanlop Hunchainaow , Thanasoun Namakunna

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Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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Analysis / Test Report

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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: 2455656

Date Received : Jun 05, 2024

Date Reported : Jun 13, 2024

Report Number : 2994691-1

Page 1 of 2

Sample Number	2455656-1
Sampled Date	Jun 05, 2024 10:12 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jun 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							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	33	≤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	30	≤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	-	-	33.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	324	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	8.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ 7-323-9-9447

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
ทะเบียนเลขที่ 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: 2455656

Date Received : Jun 05, 2024

Date Reported : Jun 13, 2024

Report Number : 2994691-1

Page 2 of 2

Sample Number	2455656-1
Sampled Date	Jun 05, 2024 10:12 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jun 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 Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤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 2455656-1) is 18.4 mg/L

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ๖-323-๖-9457 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ๖-323-๖-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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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: 2455656

Date Received : Jun 05, 2024

Date Reported : Jun 13, 2024

Report Number : 2994691-2

Page 1 of 1

Sample Number	2455656-1
Sampled Date	Jun 05, 2024 10:12 AM
Sample Description	Wastewater
Location	Domestic Outlet
Date Analysis Commenced	Jun 07, 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	6.16	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

Remark :

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Suwimon C.

Suwimon Chairuangwut
Scientist (3)