

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศจากปล่องระบาย



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand
21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346213

Date Received : May 19, 2023

Date Reported : May 31, 2023

Report Number: 2632432-1

Page 1 of 1

Sample Number 2346213-1
Sampled Date May 17, 2023
Sample Description Emission from Stationary Source
Location Degassing Hopper(TK-234 B)
Date Analysis Commenced May 22, 2023
Condition of Sample Extracted into one 10-L air sampling bag

Stack Description

Ambient Pressure	759	mmHg	Diameter	0.70	m	Oxygen	20.9	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	36.2	°C	Gas Velocity	2.2	m/s
Type of Fuel	-		Moisture	3.37	%	Flow Rate (Actual O2)	4680	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	11:20 AM - 11:30 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok
Propane	11:20 AM - 11:30 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok

Sampled By : Sitpawit Suwannarat

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 : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand
21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2345781

Date Received : May 19, 2023

Date Reported : May 31, 2023

Report Number: 2632433-1

Page 1 of 1

Sample Number 2345781-1
Sampled Date May 17, 2023
Sample Description Emission from Stationary Source
Location Weigh Hopper (TK-229 D)
Date Analysis Commenced May 22, 2023
Condition of Sample Extracted into one 10-L air sampling bag

Stack Description

Ambient Pressure	759	mmHg	Diameter	0.70	m	Oxygen	20.9	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	38.0	°C	Gas Velocity	17.1	m/s
Type of Fuel	-		Moisture	4.23	%	Flow Rate (Actual O2)	21709	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	10:50 AM - 11:00 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok
Propane	10:50 AM - 11:00 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok

Sampled By : Sitpawit Suwannarat

Remark :

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345788

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632415-1

Page 1 of 7

Sample Number 2345788-1
Sampled Date May 15, 2023
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้
Date Analysis Commenced May 29, 2023
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	15/05/23 - 16/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	15/05/23 - 16/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

Remark :

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Analysis / Test Report

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10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345788

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632415-1

Page 2 of 7

Sample Number : 2345788-2
Sampled Date : May 16, 2023
Sample Description : Air Quality
Location : โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้
Date Analysis Commenced : May 29, 2023
Condition of Sample : Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	16/05/23 - 17/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	16/05/23 - 17/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

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Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345788

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632415-1

Page 3 of 7

Sample Number : 2345788-3
Sampled Date : May 17, 2023
Sample Description : Air Quality
Location : โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้
Date Analysis Commenced : May 29, 2023
Condition of Sample : Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	17/05/23 - 18/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	17/05/23 - 18/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

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Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345788

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632415-1

Page 4 of 7

Sample Number : 2345788-4
Sampled Date : May 18, 2023
Sample Description : Air Quality
Location : โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้
Date Analysis Commenced : May 29, 2023
Condition of Sample : Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	18/05/23 - 19/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	18/05/23 - 19/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

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Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345788

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632415-1

Page 5 of 7

Sample Number : 2345788-5
Sampled Date : May 19, 2023
Sample Description : Air Quality
Location : โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้
Date Analysis Commenced : May 29, 2023
Condition of Sample : Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	19/05/23 - 20/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	19/05/23 - 20/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

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Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345788

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632415-1

Page 6 of 7

Sample Number 2345788-6
Sampled Date May 20, 2023
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้
Date Analysis Commenced May 29, 2023
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	20/05/23 - 21/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	20/05/23 - 21/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

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Analysis / Test Report

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Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345788

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632415-1

Page 7 of 7

Sample Number : 2345788-7
Sampled Date : May 21, 2023
Sample Description : Air Quality
Location : โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้
Date Analysis Commenced : May 29, 2023
Condition of Sample : Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	21/05/23 - 22/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	21/05/23 - 22/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

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Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345990

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632834-1

Page 1 of 7

Sample Number : 2345990-1
Sampled Date : May 15, 2023
Sample Description : Air Quality
Location : บ้านมาบชลด ทิศทางลมเหนือ-ใต้
Date Analysis Commenced : May 29, 2023
Condition of Sample : Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	15/05/23 - 16/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	15/05/23 - 16/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

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Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345990

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632834-1

Page 2 of 7

Sample Number 2345990-2
Sampled Date May 16, 2023
Sample Description Air Quality
Location บ้านมาบชลด ทิศทางลมเหนือ-ใต้
Date Analysis Commenced May 29, 2023
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	16/05/23 - 17/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	16/05/23 - 17/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

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P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345990

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632834-1

Page 3 of 7

Sample Number 2345990-3
Sampled Date May 17, 2023
Sample Description Air Quality
Location บ้านมาบชลด ทิศทางลมเหนือ-ใต้
Date Analysis Commenced May 29, 2023
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	17/05/23 - 18/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	17/05/23 - 18/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

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Project Location : TPE Site 1

Lot ID: 2345990

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Report Number : 2632834-1

Page 4 of 7

Sample Number 2345990-4
Sampled Date May 18, 2023
Sample Description Air Quality
Location บ้านมาบชลด ทิศทางลมเหนือ-ใต้
Date Analysis Commenced May 29, 2023
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	18/05/23 - 19/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	18/05/23 - 19/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

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P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345990

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632834-1

Page 5 of 7

Sample Number : 2345990-5
Sampled Date : May 19, 2023
Sample Description : Air Quality
Location : บ้านมาบชลด ทิศทางลมเหนือ-ใต้
Date Analysis Commenced : May 29, 2023
Condition of Sample : Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	19/05/23 - 20/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	19/05/23 - 20/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345990

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number : 2632834-1

Page 6 of 7

Sample Number : 2345990-6
Sampled Date : May 20, 2023
Sample Description : Air Quality
Location : บ้านมาบชลด ทิศทางลมเหนือ-ใต้
Date Analysis Commenced : May 29, 2023
Condition of Sample : Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	20/05/23 - 21/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	20/05/23 - 21/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

Remark :

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

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Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2345990

Date Received : May 24, 2023
Date Reported : Jun 06, 2023
Report Number : 2632834-1

Page 7 of 7

Sample Number 2345990-7
Sampled Date May 21, 2023
Sample Description Air Quality
Location บ้านมาบชลด ทิศทางลมเหนือ-ใต้
Date Analysis Commenced May 29, 2023
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	21/05/23 - 22/05/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	21/05/23 - 22/05/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Sawai Tonpho

Remark :

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

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District,
Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID : 2346207
Date Received : May 24, 2023
Date Reported : Jun 01, 2023
Report Number : 2632414-1

Page 1 of 2

Sample Number 2346207-1 to 7
Parameter Wind Speed / Wind Direction
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้
Sampling Date May 15 - May 22, 2023
Sampling by Sawai Tonpho

Time	May 15 - May 16, 2023			May 16 - May 17, 2023			May 17 - May 18, 2023			May 18 - May 19, 2023			May 19 - May 20, 2023			May 20 - May 21, 2023			May 21 - May 22, 2023		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	0.9	1.0	N	1.2	121.0	ESE	2.4	170.0	S	0.3	69.0	ENE	1.4	350.0	N	2.6	201.0	SSW	2.2	189.0	S
12:00 PM - 01:00 PM	1.1	354.0	N	1.5	170.0	S	1.5	239.0	WSW	1.1	299.0	WNW	0.5	27.0	NNE	1.0	270.0	W	1.1	271.0	W
01:00 PM - 02:00 PM	0.4	23.0	NNE	1.1	231.0	SW	1.5	207.0	SSW	3.0	248.0	WSW	0.7	220.0	SW	2.2	347.0	NNW	0.9	217.0	SW
02:00 PM - 03:00 PM	1.2	124.0	SE	2.1	201.0	SSW	0.9	201.0	SSW	0.7	82.0	E	1.3	181.0	S	0.6	129.0	SE	2.1	34.0	NE
03:00 PM - 04:00 PM	1.0	171.0	S	1.7	101.0	E	1.4	242.0	WSW	1.5	238.0	WSW	0.7	192.0	SSW	0.7	178.0	S	1.5	165.0	SSE
04:00 PM - 05:00 PM	1.3	85.0	E	0.5	251.0	WSW	1.0	192.0	SSW	0.9	249.0	WSW	1.2	258.0	WSW	0.9	212.0	SSW	1.9	137.0	SE
05:00 PM - 06:00 PM	3.3	92.0	E	0.7	234.0	SW	1.0	210.0	SSW	0.6	221.0	SW	1.0	200.0	SSW	2.9	202.0	SSW	2.9	157.0	SSE
06:00 PM - 07:00 PM	1.0	147.0	SSE	1.5	164.0	SSE	1.4	216.0	SW	0.8	221.0	SW	1.5	221.0	SW	4.1	177.0	S	1.7	175.0	S
07:00 PM - 08:00 PM	1.0	194.0	SSW	0.2	-	-	0.4	206.0	SSW	0.6	207.0	SSW	1.2	204.0	SSW	1.6	220.0	SW	0.9	240.0	WSW
08:00 PM - 09:00 PM	1.4	121.0	ESE	1.1	218.0	SW	1.1	244.0	WSW	0.4	208.0	SSW	0.6	212.0	SSW	1.9	201.0	SSW	1.6	197.0	SSW
09:00 PM - 10:00 PM	1.9	217.0	SW	1.5	155.0	SSE	0.9	224.0	SW	1.1	209.0	SSW	1.5	194.0	SSW	2.6	213.0	SSW	0.6	171.0	S
10:00 PM - 11:00 PM	1.0	141.0	SE	1.0	211.0	SSW	0.7	202.0	SSW	0.9	169.0	S	1.5	242.0	WSW	0.9	233.0	SW	0.9	228.0	SW
11:00 PM - 12:00 AM	0.4	192.0	SSW	1.4	230.0	SW	1.6	207.0	SSW	1.0	214.0	SW	0.8	181.0	S	1.3	240.0	WSW	2.0	191.0	S
12:00 AM - 01:00 AM	4.3	127.0	SE	1.9	229.0	SW	1.2	190.0	S	0.3	243.0	WSW	0.4	159.0	SSE	0.8	190.0	S	1.2	189.0	S
01:00 AM - 02:00 AM	4.1	237.0	WSW	0.0	-	-	1.7	212.0	SSW	0.0	-	-	0.0	-	-	0.4	235.0	SW	1.4	251.0	WSW
02:00 AM - 03:00 AM	1.3	62.0	ENE	0.4	231.0	SW	0.5	227.0	SW	0.9	230.0	SW	0.5	236.0	SW	0.0	-	-	1.4	271.0	W
03:00 AM - 04:00 AM	0.7	322.0	NW	0.0	-	-	0.1	-	-	0.3	232.0	SW	0.0	-	-	0.0	-	-	0.4	255.0	WSW
04:00 AM - 05:00 AM	0.8	98.0	E	0.0	-	-	0.0	-	-	0.0	-	-	0.8	260.0	W	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.4	308.0	NW	0.0	-	-	0.0	-	-	0.0	-	-	1.1	262.0	W	0.4	283.0	WNW
06:00 AM - 07:00 AM	0.0	-	-	0.3	308.0	NW	0.4	242.0	WSW	0.0	-	-	0.0	-	-	1.9	283.0	WNW	0.3	275.0	W
07:00 AM - 08:00 AM	0.4	357.0	N	0.0	-	-	0.4	273.0	W	0.3	111.0	ESE	1.1	232.0	SW	1.4	173.0	S	1.5	261.0	W
08:00 AM - 09:00 AM	0.0	-	-	0.0	-	-	2.4	246.0	WSW	0.5	251.0	WSW	0.4	251.0	WSW	0.4	185.0	S	0.6	266.0	W
09:00 AM - 10:00 AM	0.4	69.0	ENE	0.3	227.0	SW	0.6	312.0	NW	1.2	317.0	NW	1.3	230.0	SW	0.6	216.0	SW	0.5	232.0	SW
10:00 AM - 11:00 AM	0.9	241.0	WSW	1.8	160.0	SSE	0.3	62.0	ENE	1.1	214.0	SW	1.7	359.0	N	2.2	197.0	SSW	0.9	251.0	WSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District,
Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID : 2346207
Date Received : May 24, 2023
Date Reported : Jun 01, 2023
Report Number : 2632414-1

Page 2 of 2

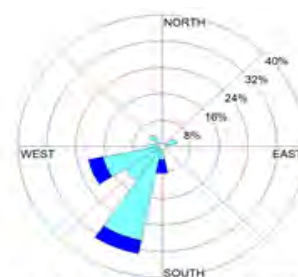
Wind Rose



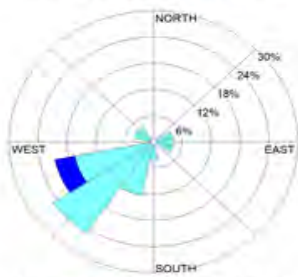
Date : May 15-16, 2023



Date : May 16-17, 2023



Date : May 17-18, 2023



Date : May 18-19, 2023



Date : May 19-20, 2023



Date : May 20-21, 2023



Date : May 21-22, 2023



Date : May 15-22, 2023

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	2.38
1.7-3.3	13.69
0.3-1.7	69.64
Calms	14.29

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Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District,
Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID : 2346209
Date Received : May 24, 2023
Date Reported : Jun 01, 2023
Report Number : 2632417-1

Page 1 of 2

Sample Number : 2346209-1 to 7
Parameter : Wind Speed / Wind Direction
Location : บ้านมาบขุด ทิศทางลมเหนือ-ใต้
Sampling Date : May 15 - May 22, 2023
Sampling by : Sawai Tonpho

Time	May 15 - May 16, 2023			May 16 - May 17, 2023			May 17 - May 18, 2023			May 18 - May 19, 2023			May 19 - May 20, 2023			May 20 - May 21, 2023			May 21 - May 22, 2023		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
12:00 PM - 01:00 PM	0.2	-	-	0.1	-	-	2.1	346.0	NNW	0.6	351.0	N	1.0	193.0	SSW	2.6	161.0	SSE	0.3	318.0	NW
01:00 PM - 02:00 PM	1.4	69.0	ENE	0.4	353.0	N	1.9	331.0	NNW	1.2	298.0	WNW	1.0	312.0	NW	0.6	213.0	SSW	0.7	10.0	N
02:00 PM - 03:00 PM	1.0	67.0	ENE	1.4	193.0	SSW	0.2	-	-	1.7	299.0	WNW	0.6	66.0	ENE	1.2	310.0	NW	0.1	-	-
03:00 PM - 04:00 PM	1.1	152.0	SSE	0.2	-	-	0.0	-	-	0.4	329.0	NNW	0.0	-	-	1.3	329.0	NNW	1.4	333.0	NNW
04:00 PM - 05:00 PM	0.2	-	-	0.1	-	-	0.6	4.0	N	0.4	347.0	NNW	0.1	-	-	0.2	-	-	1.2	307.0	NW
05:00 PM - 06:00 PM	0.2	-	-	0.2	-	-	2.2	339.0	NNW	0.1	-	-	1.2	313.0	NW	1.9	116.0	ESE	1.1	320.0	NW
06:00 PM - 07:00 PM	1.0	354.0	N	0.9	132.0	SE	0.2	-	-	0.0	-	-	0.2	-	-	1.8	291.0	WNW	0.7	306.0	NW
07:00 PM - 08:00 PM	0.4	41.0	NE	1.3	154.0	SSE	0.4	282.0	WNW	0.4	197.0	SSW	0.0	-	-	0.8	343.0	NNW	0.3	56.0	NE
08:00 PM - 09:00 PM	0.2	-	-	0.6	111.0	ESE	0.0	-	-	0.5	160.0	SSE	1.1	341.0	NNW	2.2	320.0	NW	0.5	124.0	SE
09:00 PM - 10:00 PM	0.6	55.0	NE	1.2	275.0	W	0.4	91.0	E	0.0	-	-	0.6	13.0	NNE	1.4	7.0	N	0.3	283.0	WNW
10:00 PM - 11:00 PM	0.6	231.0	SW	0.1	-	-	0.0	-	-	1.0	242.0	WSW	0.0	-	-	0.8	313.0	NW	1.4	356.0	N
11:00 PM - 12:00 AM	1.4	287.0	WNW	0.3	130.0	SE	0.6	111.0	ESE	0.1	-	-	0.5	23.0	NNE	2.0	323.0	NW	1.0	354.0	N
12:00 AM - 01:00 AM	0.4	322.0	NW	0.3	132.0	SE	0.5	343.0	NNW	0.8	193.0	SSW	0.3	64.0	ENE	0.5	334.0	NNW	0.4	21.0	NNE
01:00 AM - 02:00 AM	0.5	217.0	SW	0.0	-	-	0.6	50.0	NE	0.4	78.0	ENE	0.0	-	-	0.8	343.0	NNW	0.0	-	-
02:00 AM - 03:00 AM	1.2	256.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.3	356.0	N	1.5	128.0	SE	0.8	33.0	NNE
03:00 AM - 04:00 AM	0.6	348.0	NNW	0.0	-	-	1.0	356.0	N	0.0	-	-	1.3	279.0	W	0.6	344.0	NNW	1.5	314.0	NW
04:00 AM - 05:00 AM	0.8	239.0	WSW	0.4	13.0	NNE	0.5	333.0	NNW	0.7	92.0	E	0.2	-	-	0.3	343.0	NNW	1.5	283.0	WNW
05:00 AM - 06:00 AM	0.8	0.0	N	1.2	356.0	N	1.2	286.0	WNW	0.9	273.0	W	0.3	314.0	NW	1.1	17.0	NNE	0.8	265.0	W
06:00 AM - 07:00 AM	0.7	83.0	E	0.9	350.0	N	1.0	270.0	W	0.8	181.0	S	0.7	84.0	E	0.4	23.0	NNE	2.3	14.0	NNE
07:00 AM - 08:00 AM	0.8	328.0	NNW	0.9	139.0	SE	1.0	10.0	N	0.8	37.0	NE	0.3	345.0	NNW	1.2	237.0	WSW	1.0	253.0	WSW
08:00 AM - 09:00 AM	0.0	-	-	1.4	72.0	ENE	0.9	328.0	NNW	0.4	66.0	ENE	1.2	331.0	NNW	1.3	205.0	SSW	0.5	315.0	NW
09:00 AM - 10:00 AM	0.2	-	-	0.7	22.0	NNE	1.1	174.0	S	0.0	-	-	1.9	208.0	SSW	0.3	30.0	NNE	0.5	4.0	N
10:00 AM - 11:00 AM	2.1	315.0	NW	0.3	348.0	NNW	2.2	277.0	W	0.1	-	-	0.2	-	-	1.1	228.0	SW	0.3	209.0	SSW
11:00 AM - 12:00 PM	0.6	6.0	N	0.4	279.0	W	2.3	314.0	NW	0.2	-	-	1.1	201.0	SSW	0.3	313.0	NW	1.5	328.0	NNW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District,
Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID : 2346209

Date Received : May 24, 2023

Date Reported : Jun 01, 2023

Report Number : 2632417-1

Page 2 of 2

Wind Rose



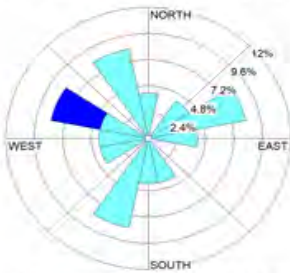
Date : May 15-16, 2023



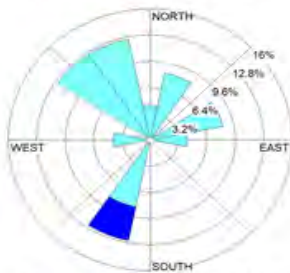
Date : May 16-17, 2023



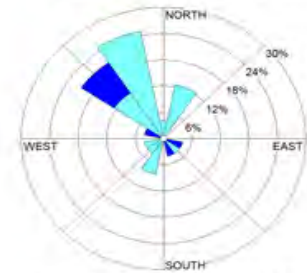
Date : May 17-18, 2023



Date : May 18-19, 2023



Date : May 19-20, 2023



Date : May 20-21, 2023



Date : May 21-22, 2023



Date : May 15-22, 2023

	WS(m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	0.00
	1.7-3.3	8.33
	0.3-1.7	67.86
	Calms	23.81

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Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-3

คุณภาพน้ำ



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: LDPE_S1

Lot ID: 231038

Date Received : Jan 06, 2023
Date Reported : Feb 07, 2023
Report Number : 2534414-1 C1

Page 1 of 2

Sample Number	231038-1						
Sampling Date	Jan 06, 2023 11:10 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Jan 06, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	29	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.9	≤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	408	≤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	21	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location: LDPE_S1

Lot ID: 231038

Date Received : Jan 06, 2023

Date Reported : Feb 07, 2023

Report Number : 2534414-1 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 : Paramet Sattayakun , 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

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon

Manager

ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: LDPE_S1

Lot ID: 2312996
Date Received : Feb 03, 2023
Date Reported : Feb 15, 2023
Report Number : 2558562-1 C1

Page 1 of 2

Sample Number	2312996-1						
Sampling Date	Feb 03, 2023 11:15 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Feb 03, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.7	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	38	≤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	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.9	≤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	624	≤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	8	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ จ-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ จ-225-ค-5283

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location: LDPE_S1

Lot ID: 2312996

Date Received : Feb 03, 2023

Date Reported : Feb 15, 2023

Report Number : 2558562-1 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 : Paramet Sattayakun , 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

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon

Manager

ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: LDPE_S1

Lot ID: 2323412
Date Received : Mar 03, 2023
Date Reported : Mar 29, 2023
Report Number : 2581438-1 C1

Page 1 of 2

Sample Number	2323412-1						
Sampling Date	Mar 03, 2023 11:00 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Mar 03, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	27	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	452	≤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	19	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ จ-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ จ-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: LDPE_S1

Lot ID: 2323412

Date Received : Mar 03, 2023
Date Reported : Mar 29, 2023
Report Number : 2581438-2 C1

Page 1 of 1

Sample Number	2323412-1						
Sampling Date	Mar 03, 2023 11:00 AM						
Sample Description	Wastewater						
Location	บ่อดูตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Mar 03, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	156	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Total Organic Carbon	mg/L	0.01	0.1	8.86	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 : Paramet Sattayakun , Thanasoun Namakunna

Remark :

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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Life Sciences

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location : LDPE_S1

Lot ID: 2336511
Date Received : Apr 03, 2023
Date Reported : Apr 11, 2023
Report Number : 2610281-1 C1

Page 1 of 2

Sample Number	2336511-1						
Sampling Date	Apr 03, 2023 10:47 AM						
Sample Description	Wastewater						
Location	บ่อตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Apr 03, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	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	5	≤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	<5	≤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	-	-	34.7	≤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	552	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location : LDPE_S1

Lot ID: 2336511

Date Received : Apr 03, 2023
Date Reported : Apr 11, 2023
Report Number : 2610281-2 C1

Page 1 of 1

Sample Number	2336511-1						
Sampling Date	Apr 03, 2023 10:47 AM						
Sample Description	Wastewater						
Location	บ่อดูตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Apr 03, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	182	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Total Organic Carbon	mg/L	0.01	0.1	7.57	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 : Paramet Sattayakun , Pattarapol Sawangjaitam

Remark :

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

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Approved by

Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: LDPE_S1

Lot ID: 2345071

Date Received : May 08, 2023
Date Reported : Jun 09, 2023
Report Number : 2630204-1 C1

Page 1 of 2

Sample Number	2345071-1						
Sampling Date	May 08, 2023 10:55 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	May 08, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	29	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.6	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	-	-	36.9	≤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	668	≤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	13	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ จ-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ จ-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: LDPE_S1

Lot ID: 2345071

Date Received : May 08, 2023
Date Reported : Jun 09, 2023
Report Number : 2630204-2 C1

Page 1 of 1

Sample Number	2345071-1						
Sampling Date	May 08, 2023 10:55 AM						
Sample Description	Wastewater						
Location	บ่อดูตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	May 08, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	157	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.018	No Standard	Flow meter	Rayong
Total Organic Carbon	mg/L	0.01	0.1	8.80	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

Siriluk P.

Siriluk Puengpang
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: LDPE_S1

Lot ID: 2355482

Date Received : Jun 01, 2023
Date Reported : Jun 12, 2023
Report Number : 2652364-1 C1

Page 1 of 2

Sample Number	2355482-1						
Sampling Date	Jun 01, 2023 11:18 AM						
Sample Description	Wastewater						
Location	บ่อดูตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Jun 01, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	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	-	-	35.4	≤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	560	≤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	24	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ จ-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ จ-225-ค-5283

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location: LDPE_S1

Lot ID: 2355482

Date Received : Jun 01, 2023

Date Reported : Jun 12, 2023

Report Number : 2652364-1 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 , Kardbudit Kitisupavanit

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

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon

Manager

ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: LDPE_S1

Lot ID: 2355482

Date Received : Jun 01, 2023
Date Reported : Jun 12, 2023
Report Number : 2652364-2 C1

Page 1 of 1

Sample Number	2355482-1						
Sampling Date	Jun 01, 2023 11:18 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Jun 01, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	199	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.010	No Standard	Flow meter	Rayong
Total Organic Carbon	mg/L	0.01	0.1	8.48	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 , Kardbundit Kitisupavanit

Remark :

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

Approved by

N. Banchongkit

Narumon Banchongkit
Supervisor

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ภาคผนวก ค-4

ระดับเสียงทั่วไป



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2346330

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number: 2664956-1C1

Page 1 of 1

Sample Number 2346330-1
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 15 - May 16, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472132

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.0	72.4	57.9
11:00 AM - 12:00 PM	60.4	75.5	58.1
12:00 PM - 01:00 PM	59.5	81.2	57.2
01:00 PM - 02:00 PM	60.1	73.0	57.8
02:00 PM - 03:00 PM	60.1	74.4	58.1
03:00 PM - 04:00 PM	60.5	69.8	58.6
04:00 PM - 05:00 PM	60.7	71.2	59.2
05:00 PM - 06:00 PM	61.3	80.5	59.3
06:00 PM - 07:00 PM	60.6	70.0	58.9
07:00 PM - 08:00 PM	60.0	69.0	58.8
08:00 PM - 09:00 PM	60.0	81.5	58.0
09:00 PM - 10:00 PM	59.0	68.6	58.0
10:00 PM - 11:00 PM	58.6	67.4	57.4
11:00 PM - 12:00 AM	58.9	66.9	57.6
12:00 AM - 01:00 AM	58.2	72.4	56.6
01:00 AM - 02:00 AM	62.1	70.2	58.1
02:00 AM - 03:00 AM	62.3	87.4	59.0
03:00 AM - 04:00 AM	63.7	81.8	59.8
04:00 AM - 05:00 AM	61.8	85.5	59.0
05:00 AM - 06:00 AM	61.3	79.1	59.5
06:00 AM - 07:00 AM	61.4	78.5	59.4
07:00 AM - 08:00 AM	61.0	71.5	59.0
08:00 AM - 09:00 AM	60.4	76.1	57.5
09:00 AM - 10:00 AM	60.3	75.1	57.7

Leq Average 24 hrs. (dB(A)) 60.7
Lmax (dB(A)) 87.4
L90 (dB(A)) 58.1
Ldn (dB(A)) 67.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2346330

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number: 2664957-1C1

Page 1 of 1

Sample Number 2346330-2
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 16 - May 17, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472132

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.4	75.2	57.2
11:00 AM - 12:00 PM	58.7	74.0	56.2
12:00 PM - 01:00 PM	58.1	75.7	55.5
01:00 PM - 02:00 PM	58.9	69.4	57.1
02:00 PM - 03:00 PM	59.0	71.6	56.9
03:00 PM - 04:00 PM	59.0	76.9	56.9
04:00 PM - 05:00 PM	58.9	71.6	57.3
05:00 PM - 06:00 PM	59.9	77.2	57.6
06:00 PM - 07:00 PM	59.9	75.3	57.7
07:00 PM - 08:00 PM	58.9	73.4	56.8
08:00 PM - 09:00 PM	58.6	74.3	56.7
09:00 PM - 10:00 PM	58.3	65.3	57.2
10:00 PM - 11:00 PM	59.5	71.2	58.2
11:00 PM - 12:00 AM	59.4	69.6	58.0
12:00 AM - 01:00 AM	59.3	72.9	58.2
01:00 AM - 02:00 AM	58.6	73.0	57.1
02:00 AM - 03:00 AM	58.4	72.2	57.3
03:00 AM - 04:00 AM	58.6	77.1	57.6
04:00 AM - 05:00 AM	58.5	73.2	57.2
05:00 AM - 06:00 AM	59.8	72.2	57.2
06:00 AM - 07:00 AM	60.2	74.6	58.5
07:00 AM - 08:00 AM	59.9	73.2	57.7
08:00 AM - 09:00 AM	59.6	71.7	57.7
09:00 AM - 10:00 AM	61.9	78.0	60.1

Leq Average 24 hrs. (dB(A)) 59.3
Lmax (dB(A)) 78.0
L90 (dB(A)) 57.2
Ldn (dB(A)) 65.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2346330

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number: 2664958-1C1

Page 1 of 1

Sample Number 2346330-3
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 17 - May 18, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472132

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.8	84.6	57.3
11:00 AM - 12:00 PM	61.2	85.7	56.5
12:00 PM - 01:00 PM	58.5	74.8	56.2
01:00 PM - 02:00 PM	58.2	69.1	56.3
02:00 PM - 03:00 PM	58.6	77.0	56.4
03:00 PM - 04:00 PM	58.9	76.9	56.5
04:00 PM - 05:00 PM	59.3	79.7	56.6
05:00 PM - 06:00 PM	59.6	75.4	57.2
06:00 PM - 07:00 PM	59.6	73.4	56.7
07:00 PM - 08:00 PM	58.7	81.7	55.9
08:00 PM - 09:00 PM	57.1	73.2	55.4
09:00 PM - 10:00 PM	57.8	80.2	55.9
10:00 PM - 11:00 PM	56.9	74.1	54.8
11:00 PM - 12:00 AM	57.7	84.8	55.4
12:00 AM - 01:00 AM	56.7	71.9	54.8
01:00 AM - 02:00 AM	56.8	68.8	55.2
02:00 AM - 03:00 AM	56.5	81.5	54.6
03:00 AM - 04:00 AM	56.5	79.1	54.8
04:00 AM - 05:00 AM	57.1	76.8	54.0
05:00 AM - 06:00 AM	58.4	76.3	55.5
06:00 AM - 07:00 AM	58.0	72.4	55.1
07:00 AM - 08:00 AM	58.8	77.2	55.6
08:00 AM - 09:00 AM	57.6	85.2	55.2
09:00 AM - 10:00 AM	57.0	74.1	54.7

Leq Average 24 hrs. (dB(A)) 58.6
Lmax (dB(A)) 85.7
L90 (dB(A)) 55.5
Ldn (dB(A)) 64.0
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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2346373

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number: 2664940-1C1

Page 1 of 1

Sample Number 2346373-1
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 18 - May 19, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472132

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.2	74.8	54.9
11:00 AM - 12:00 PM	56.7	73.6	54.8
12:00 PM - 01:00 PM	56.4	77.0	53.9
01:00 PM - 02:00 PM	56.4	76.0	54.3
02:00 PM - 03:00 PM	56.9	72.8	54.6
03:00 PM - 04:00 PM	58.2	83.0	55.8
04:00 PM - 05:00 PM	58.1	81.0	55.5
05:00 PM - 06:00 PM	58.4	72.5	55.8
06:00 PM - 07:00 PM	58.1	74.1	55.3
07:00 PM - 08:00 PM	57.5	73.0	55.0
08:00 PM - 09:00 PM	56.9	75.4	54.5
09:00 PM - 10:00 PM	56.7	75.3	55.0
10:00 PM - 11:00 PM	56.1	71.8	54.5
11:00 PM - 12:00 AM	56.1	78.1	54.3
12:00 AM - 01:00 AM	56.5	73.3	54.5
01:00 AM - 02:00 AM	56.4	70.8	55.4
02:00 AM - 03:00 AM	56.2	70.1	55.0
03:00 AM - 04:00 AM	56.3	77.3	53.6
04:00 AM - 05:00 AM	59.5	79.3	54.2
05:00 AM - 06:00 AM	58.0	76.9	55.5
06:00 AM - 07:00 AM	59.4	84.2	57.0
07:00 AM - 08:00 AM	59.3	82.2	56.7
08:00 AM - 09:00 AM	59.6	73.7	57.0
09:00 AM - 10:00 AM	59.3	75.3	56.5

Leq Average 24 hrs. (dB(A)) 57.7
Lmax (dB(A)) 84.2
L90 (dB(A)) 55.0
Ldn (dB(A)) 63.9
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

Technical Management

Thanita K.

Thanita Kulsuriwong

Scientist (4)

Approved by

Supot S.

Supot Salamteh

Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2346373

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number: 2664941-1C1

Page 1 of 1

Sample Number 2346373-2
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 19 - May 20, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472132

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.1	81.9	54.9
11:00 AM - 12:00 PM	56.5	73.1	54.5
12:00 PM - 01:00 PM	56.3	72.1	54.0
01:00 PM - 02:00 PM	56.3	73.9	54.3
02:00 PM - 03:00 PM	54.8	71.0	52.5
03:00 PM - 04:00 PM	56.4	75.8	54.4
04:00 PM - 05:00 PM	58.1	76.7	55.4
05:00 PM - 06:00 PM	57.5	77.3	55.8
06:00 PM - 07:00 PM	57.9	72.5	55.6
07:00 PM - 08:00 PM	57.8	74.3	56.2
08:00 PM - 09:00 PM	56.3	68.9	55.2
09:00 PM - 10:00 PM	56.9	69.9	55.9
10:00 PM - 11:00 PM	56.4	67.1	55.3
11:00 PM - 12:00 AM	56.1	62.5	55.1
12:00 AM - 01:00 AM	55.7	68.0	54.6
01:00 AM - 02:00 AM	56.0	74.1	54.9
02:00 AM - 03:00 AM	55.1	64.3	54.4
03:00 AM - 04:00 AM	54.3	69.0	53.6
04:00 AM - 05:00 AM	56.1	72.3	53.6
05:00 AM - 06:00 AM	56.6	75.9	54.3
06:00 AM - 07:00 AM	57.2	74.3	54.1
07:00 AM - 08:00 AM	56.6	73.3	54.0
08:00 AM - 09:00 AM	56.8	72.9	54.3
09:00 AM - 10:00 AM	56.9	75.2	53.9

Leq Average 24 hrs. (dB(A)) 56.6
Lmax (dB(A)) 81.9
L90 (dB(A)) 54.4
Ldn (dB(A)) 62.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2346373

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number: 2664942-1C1

Page 1 of 1

Sample Number 2346373-3
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 20 - May 21, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472132

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.8	80.6	53.6
11:00 AM - 12:00 PM	58.2	90.8	54.0
12:00 PM - 01:00 PM	57.8	85.5	54.3
01:00 PM - 02:00 PM	57.5	78.3	54.9
02:00 PM - 03:00 PM	57.2	78.4	54.6
03:00 PM - 04:00 PM	57.5	73.7	54.9
04:00 PM - 05:00 PM	57.7	72.1	55.5
05:00 PM - 06:00 PM	58.3	83.0	56.3
06:00 PM - 07:00 PM	58.3	75.6	56.5
07:00 PM - 08:00 PM	57.9	71.6	56.1
08:00 PM - 09:00 PM	56.9	72.6	55.6
09:00 PM - 10:00 PM	56.9	76.2	55.5
10:00 PM - 11:00 PM	56.1	71.0	54.7
11:00 PM - 12:00 AM	56.4	72.9	55.4
12:00 AM - 01:00 AM	56.2	78.7	55.1
01:00 AM - 02:00 AM	56.3	72.0	55.3
02:00 AM - 03:00 AM	56.1	63.0	55.3
03:00 AM - 04:00 AM	55.4	63.3	54.4
04:00 AM - 05:00 AM	57.1	71.1	54.9
05:00 AM - 06:00 AM	57.1	70.4	55.0
06:00 AM - 07:00 AM	59.0	77.9	56.4
07:00 AM - 08:00 AM	58.8	78.2	56.4
08:00 AM - 09:00 AM	59.1	83.9	56.7
09:00 AM - 10:00 AM	59.0	81.9	56.4

Leq Average 24 hrs. (dB(A)) 57.5
Lmax (dB(A)) 90.8
L90 (dB(A)) 55.3
Ldn (dB(A)) 63.4
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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2346373

Date Received : May 24, 2023

Date Reported : Jun 06, 2023

Report Number: 2664943-1C1

Page 1 of 1

Sample Number 2346373-4
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 21 - May 22, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472132

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.3	73.4	56.7
11:00 AM - 12:00 PM	59.0	75.0	56.2
12:00 PM - 01:00 PM	56.8	81.6	54.6
01:00 PM - 02:00 PM	56.2	72.8	54.2
02:00 PM - 03:00 PM	56.0	71.8	53.7
03:00 PM - 04:00 PM	56.0	73.6	54.0
04:00 PM - 05:00 PM	54.5	70.7	52.2
05:00 PM - 06:00 PM	56.1	75.5	54.1
06:00 PM - 07:00 PM	57.8	76.4	55.1
07:00 PM - 08:00 PM	57.2	77.0	55.5
08:00 PM - 09:00 PM	57.6	72.2	55.3
09:00 PM - 10:00 PM	57.5	74.0	55.9
10:00 PM - 11:00 PM	56.0	68.6	54.9
11:00 PM - 12:00 AM	56.6	69.6	55.6
12:00 AM - 01:00 AM	56.1	66.8	55.0
01:00 AM - 02:00 AM	55.8	62.2	54.8
02:00 AM - 03:00 AM	55.4	67.7	54.3
03:00 AM - 04:00 AM	55.7	73.8	54.6
04:00 AM - 05:00 AM	54.8	64.0	54.1
05:00 AM - 06:00 AM	54.0	68.7	53.3
06:00 AM - 07:00 AM	55.8	72.0	53.3
07:00 AM - 08:00 AM	56.3	75.6	54.0
08:00 AM - 09:00 AM	56.9	74.0	53.8
09:00 AM - 10:00 AM	56.3	73.0	53.7

Leq Average 24 hrs. (dB(A)) 56.6
Lmax (dB(A)) 81.6
L90 (dB(A)) 54.3
Ldn (dB(A)) 62.3
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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346210

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666304-1

Page 1 of 1

Sample Number 2346210-1
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม
Measurement Date May 15 - May 16, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	64.4	69.9	63.1
11:00 AM - 12:00 PM	64.8	67.9	64.2
12:00 PM - 01:00 PM	64.2	73.1	62.8
01:00 PM - 02:00 PM	64.9	74.3	64.2
02:00 PM - 03:00 PM	63.9	66.3	62.8
03:00 PM - 04:00 PM	65.2	73.6	64.5
04:00 PM - 05:00 PM	64.2	79.0	63.0
05:00 PM - 06:00 PM	64.4	68.6	63.9
06:00 PM - 07:00 PM	63.9	67.7	62.7
07:00 PM - 08:00 PM	64.5	66.1	64.0
08:00 PM - 09:00 PM	63.7	68.1	62.7
09:00 PM - 10:00 PM	63.9	68.3	63.2
10:00 PM - 11:00 PM	63.6	68.3	62.4
11:00 PM - 12:00 AM	63.7	65.5	62.8
12:00 AM - 01:00 AM	63.8	68.7	62.3
01:00 AM - 02:00 AM	69.1	84.9	64.3
02:00 AM - 03:00 AM	69.5	84.6	63.5
03:00 AM - 04:00 AM	66.7	82.4	65.2
04:00 AM - 05:00 AM	66.6	68.7	64.5
05:00 AM - 06:00 AM	66.2	68.6	63.6
06:00 AM - 07:00 AM	66.6	69.0	63.6
07:00 AM - 08:00 AM	65.7	70.3	62.9
08:00 AM - 09:00 AM	66.2	69.6	63.4
09:00 AM - 10:00 AM	65.6	68.5	63.0

Leq Average 24 hrs. (dB(A)) 65.6
Lmax (dB(A)) 84.9
L90 (dB(A)) 63.2
Ldn (dB(A)) 72.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346210

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666305-1

Page 1 of 1

Sample Number 2346210-2
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม
Measurement Date May 16 - May 17, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	66.1	70.9	63.7
11:00 AM - 12:00 PM	65.3	70.2	62.4
12:00 PM - 01:00 PM	66.5	83.5	63.3
01:00 PM - 02:00 PM	65.9	80.3	63.4
02:00 PM - 03:00 PM	66.2	70.7	65.7
03:00 PM - 04:00 PM	64.3	67.7	62.9
04:00 PM - 05:00 PM	64.6	67.0	64.4
05:00 PM - 06:00 PM	64.1	69.4	62.9
06:00 PM - 07:00 PM	67.4	71.4	64.9
07:00 PM - 08:00 PM	64.1	67.0	62.9
08:00 PM - 09:00 PM	64.6	66.8	64.3
09:00 PM - 10:00 PM	64.0	70.2	63.1
10:00 PM - 11:00 PM	66.3	71.3	64.7
11:00 PM - 12:00 AM	63.9	66.5	63.2
12:00 AM - 01:00 AM	65.0	66.3	64.8
01:00 AM - 02:00 AM	64.0	65.7	63.0
02:00 AM - 03:00 AM	65.4	66.5	65.1
03:00 AM - 04:00 AM	64.3	66.0	63.4
04:00 AM - 05:00 AM	64.4	65.7	64.1
05:00 AM - 06:00 AM	63.9	69.6	63.0
06:00 AM - 07:00 AM	64.7	69.8	64.1
07:00 AM - 08:00 AM	64.1	66.7	63.2
08:00 AM - 09:00 AM	64.9	70.2	64.2
09:00 AM - 10:00 AM	64.3	66.8	63.6

Leq Average 24 hrs. (dB(A)) 65.0
Lmax (dB(A)) 83.5
L90 (dB(A)) 63.4
Ldn (dB(A)) 71.2
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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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346210

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666306-1

Page 1 of 1

Sample Number 2346210-3
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม
Measurement Date May 17 - May 18, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	64.4	71.6	64.1
11:00 AM - 12:00 PM	63.4	66.7	62.5
12:00 PM - 01:00 PM	63.9	77.4	62.6
01:00 PM - 02:00 PM	64.1	76.5	62.6
02:00 PM - 03:00 PM	63.9	76.1	63.2
03:00 PM - 04:00 PM	65.1	69.0	63.0
04:00 PM - 05:00 PM	65.2	69.9	62.8
05:00 PM - 06:00 PM	65.6	68.6	62.9
06:00 PM - 07:00 PM	66.0	69.7	62.9
07:00 PM - 08:00 PM	65.5	67.7	62.7
08:00 PM - 09:00 PM	64.9	67.9	62.8
09:00 PM - 10:00 PM	65.7	67.6	63.0
10:00 PM - 11:00 PM	64.8	67.6	62.5
11:00 PM - 12:00 AM	65.7	67.5	62.9
12:00 AM - 01:00 AM	64.7	67.3	62.4
01:00 AM - 02:00 AM	66.1	67.3	63.1
02:00 AM - 03:00 AM	65.2	67.4	62.7
03:00 AM - 04:00 AM	64.4	67.7	64.0
04:00 AM - 05:00 AM	63.8	69.5	62.6
05:00 AM - 06:00 AM	64.7	67.0	64.4
06:00 AM - 07:00 AM	63.5	66.1	62.5
07:00 AM - 08:00 AM	64.5	69.0	64.1
08:00 AM - 09:00 AM	63.4	69.7	62.3
09:00 AM - 10:00 AM	64.8	75.3	64.3

Leq Average 24 hrs. (dB(A)) 64.8
Lmax (dB(A)) 77.4
L90 (dB(A)) 62.8
Ldn (dB(A)) 71.2
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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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2346210

Date Received : May 24, 2023
Date Reported : May 29, 2023
Report Number: 2666307-1

Page 1 of 1

Sample Number 2346210-4
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม
Measurement Date May 18 - May 19, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	63.5	67.7	62.2
11:00 AM - 12:00 PM	64.1	66.1	63.8
12:00 PM - 01:00 PM	63.3	80.0	62.0
01:00 PM - 02:00 PM	64.5	73.0	63.8
02:00 PM - 03:00 PM	62.8	65.5	62.2
03:00 PM - 04:00 PM	63.8	69.2	63.5
04:00 PM - 05:00 PM	63.5	66.7	62.4
05:00 PM - 06:00 PM	64.2	67.7	63.8
06:00 PM - 07:00 PM	64.7	71.5	62.3
07:00 PM - 08:00 PM	63.6	69.0	62.9
08:00 PM - 09:00 PM	63.2	67.9	62.3
09:00 PM - 10:00 PM	63.7	65.2	62.8
10:00 PM - 11:00 PM	63.4	69.2	62.5
11:00 PM - 12:00 AM	63.7	69.1	62.4
12:00 AM - 01:00 AM	63.7	69.5	61.9
01:00 AM - 02:00 AM	64.6	65.4	64.0
02:00 AM - 03:00 AM	65.5	68.0	63.3
03:00 AM - 04:00 AM	65.6	68.0	62.8
04:00 AM - 05:00 AM	65.7	70.5	62.6
05:00 AM - 06:00 AM	65.5	67.9	62.7
06:00 AM - 07:00 AM	65.8	68.4	63.1
07:00 AM - 08:00 AM	65.1	67.8	62.2
08:00 AM - 09:00 AM	65.6	77.1	62.4
09:00 AM - 10:00 AM	65.4	68.1	62.4

Leq Average 24 hrs. (dB(A)) 64.5
Lmax (dB(A)) 80.0
L90 (dB(A)) 62.5
Ldn (dB(A)) 71.2
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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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346210

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666308-1

Page 1 of 1

Sample Number 2346210-5
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม
Measurement Date May 19 - May 20, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.7	72.0	62.6
11:00 AM - 12:00 PM	64.4	69.8	62.4
12:00 PM - 01:00 PM	64.2	68.5	62.7
01:00 PM - 02:00 PM	64.1	80.0	62.2
02:00 PM - 03:00 PM	64.3	72.4	63.4
03:00 PM - 04:00 PM	63.1	68.3	62.1
04:00 PM - 05:00 PM	64.0	69.5	62.7
05:00 PM - 06:00 PM	64.0	72.2	62.4
06:00 PM - 07:00 PM	66.7	72.8	63.8
07:00 PM - 08:00 PM	63.5	66.6	62.7
08:00 PM - 09:00 PM	64.3	67.9	62.9
09:00 PM - 10:00 PM	63.8	65.6	62.9
10:00 PM - 11:00 PM	64.1	66.3	63.0
11:00 PM - 12:00 AM	63.9	65.3	62.7
12:00 AM - 01:00 AM	63.9	65.1	62.7
01:00 AM - 02:00 AM	64.4	65.6	63.3
02:00 AM - 03:00 AM	63.3	64.3	62.2
03:00 AM - 04:00 AM	63.3	64.3	62.5
04:00 AM - 05:00 AM	63.5	65.5	62.3
05:00 AM - 06:00 AM	63.6	65.4	62.4
06:00 AM - 07:00 AM	63.1	66.5	62.2
07:00 AM - 08:00 AM	63.9	68.2	63.0
08:00 AM - 09:00 AM	63.2	68.5	62.0
09:00 AM - 10:00 AM	64.0	74.8	63.5

Leq Average 24 hrs. (dB(A)) 64.1
Lmax (dB(A)) 80.0
L90 (dB(A)) 62.7
Ldn (dB(A)) 70.2
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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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346210

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666309-1

Page 1 of 1

Sample Number 2346210-6
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม
Measurement Date May 20 - May 21, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.6	66.1	61.8
11:00 AM - 12:00 PM	63.2	65.9	62.3
12:00 PM - 01:00 PM	64.4	70.5	62.2
01:00 PM - 02:00 PM	66.1	77.6	62.8
02:00 PM - 03:00 PM	63.8	73.2	62.0
03:00 PM - 04:00 PM	65.9	73.2	65.4
04:00 PM - 05:00 PM	63.8	67.5	62.2
05:00 PM - 06:00 PM	66.2	68.5	65.7
06:00 PM - 07:00 PM	64.7	69.9	62.5
07:00 PM - 08:00 PM	66.2	67.9	65.8
08:00 PM - 09:00 PM	63.8	67.3	62.6
09:00 PM - 10:00 PM	66.9	68.6	66.2
10:00 PM - 11:00 PM	63.7	67.7	62.8
11:00 PM - 12:00 AM	66.8	68.5	66.3
12:00 AM - 01:00 AM	65.2	68.1	63.7
01:00 AM - 02:00 AM	64.5	66.5	63.2
02:00 AM - 03:00 AM	63.6	64.7	62.9
03:00 AM - 04:00 AM	63.4	64.7	62.8
04:00 AM - 05:00 AM	63.5	66.9	62.8
05:00 AM - 06:00 AM	63.4	66.4	62.7
06:00 AM - 07:00 AM	63.3	67.4	62.5
07:00 AM - 08:00 AM	63.1	66.0	62.4
08:00 AM - 09:00 AM	63.2	65.3	62.6
09:00 AM - 10:00 AM	63.3	65.7	62.5

Leq Average 24 hrs. (dB(A)) 64.6
Lmax (dB(A)) 77.6
L90 (dB(A)) 62.7
Ldn (dB(A)) 70.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2346210

Date Received : May 24, 2023
Date Reported : May 29, 2023
Report Number: 2666310-1

Page 1 of 1

Sample Number 2346210-7
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม
Measurement Date May 21 - May 22, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 873057

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	63.6	66.2	62.9
11:00 AM - 12:00 PM	63.6	65.7	63.2
12:00 PM - 01:00 PM	63.9	80.6	62.6
01:00 PM - 02:00 PM	65.1	73.6	64.4
02:00 PM - 03:00 PM	63.4	66.1	62.8
03:00 PM - 04:00 PM	64.4	69.8	64.1
04:00 PM - 05:00 PM	64.1	67.3	63.0
05:00 PM - 06:00 PM	64.8	68.3	64.4
06:00 PM - 07:00 PM	65.3	72.1	62.9
07:00 PM - 08:00 PM	64.2	69.6	63.5
08:00 PM - 09:00 PM	63.8	68.5	62.9
09:00 PM - 10:00 PM	64.3	65.8	63.4
10:00 PM - 11:00 PM	64.0	69.8	63.1
11:00 PM - 12:00 AM	64.3	69.7	63.0
12:00 AM - 01:00 AM	64.3	70.1	62.5
01:00 AM - 02:00 AM	65.2	66.0	64.6
02:00 AM - 03:00 AM	66.1	68.6	63.9
03:00 AM - 04:00 AM	66.2	68.6	63.4
04:00 AM - 05:00 AM	66.3	71.1	63.2
05:00 AM - 06:00 AM	66.1	68.5	63.3
06:00 AM - 07:00 AM	66.4	69.0	63.7
07:00 AM - 08:00 AM	65.7	68.4	62.8
08:00 AM - 09:00 AM	66.2	77.7	63.0
09:00 AM - 10:00 AM	66.0	68.7	63.0

Leq Average 24 hrs. (dB(A)) 65.0
Lmax (dB(A)) 80.6
L90 (dB(A)) 63.1
Ldn (dB(A)) 71.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346212

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666320-1

Page 1 of 1

Sample Number 2346212-1
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date May 15 - May 16, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	66.0	90.8	64.8
11:00 AM - 12:00 PM	64.8	70.1	64.3
12:00 PM - 01:00 PM	64.8	68.3	64.4
01:00 PM - 02:00 PM	65.0	69.2	64.5
02:00 PM - 03:00 PM	65.0	67.1	64.6
03:00 PM - 04:00 PM	65.6	84.7	65.0
04:00 PM - 05:00 PM	65.7	90.3	65.0
05:00 PM - 06:00 PM	65.5	68.2	65.1
06:00 PM - 07:00 PM	65.6	73.9	65.3
07:00 PM - 08:00 PM	65.5	74.0	65.2
08:00 PM - 09:00 PM	65.3	71.1	65.0
09:00 PM - 10:00 PM	65.4	68.7	65.1
10:00 PM - 11:00 PM	65.4	67.1	65.1
11:00 PM - 12:00 AM	65.4	68.1	65.1
12:00 AM - 01:00 AM	65.8	72.0	65.3
01:00 AM - 02:00 AM	69.7	94.6	66.3
02:00 AM - 03:00 AM	69.5	88.7	67.3
03:00 AM - 04:00 AM	68.0	90.3	67.4
04:00 AM - 05:00 AM	67.5	68.8	67.2
05:00 AM - 06:00 AM	67.2	70.0	66.9
06:00 AM - 07:00 AM	66.9	74.7	66.6
07:00 AM - 08:00 AM	66.3	69.8	65.9
08:00 AM - 09:00 AM	66.0	74.6	65.6
09:00 AM - 10:00 AM	65.4	75.5	65.0

Leq Average 24 hrs. (dB(A)) 66.4
Lmax (dB(A)) 94.6
L90 (dB(A)) 65.1
Ldn (dB(A)) 73.7
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346212

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666321-1

Page 1 of 1

Sample Number 2346212-2
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date May 16 - May 17, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.3	72.0	64.9
11:00 AM - 12:00 PM	65.0	67.6	64.6
12:00 PM - 01:00 PM	65.1	73.1	64.7
01:00 PM - 02:00 PM	66.3	92.8	64.8
02:00 PM - 03:00 PM	66.7	87.1	65.1
03:00 PM - 04:00 PM	65.5	87.3	65.0
04:00 PM - 05:00 PM	65.5	72.5	65.2
05:00 PM - 06:00 PM	65.9	76.3	65.5
06:00 PM - 07:00 PM	66.2	79.3	65.6
07:00 PM - 08:00 PM	65.7	69.5	65.4
08:00 PM - 09:00 PM	65.7	68.8	65.4
09:00 PM - 10:00 PM	65.7	67.7	65.3
10:00 PM - 11:00 PM	66.0	87.0	65.4
11:00 PM - 12:00 AM	66.0	68.1	65.5
12:00 AM - 01:00 AM	66.0	82.7	65.6
01:00 AM - 02:00 AM	66.0	68.7	65.6
02:00 AM - 03:00 AM	66.0	67.4	65.7
03:00 AM - 04:00 AM	66.1	74.6	65.7
04:00 AM - 05:00 AM	66.3	69.3	66.0
05:00 AM - 06:00 AM	66.4	69.8	66.0
06:00 AM - 07:00 AM	66.2	78.3	65.8
07:00 AM - 08:00 AM	65.9	71.2	65.5
08:00 AM - 09:00 AM	65.4	70.1	64.8
09:00 AM - 10:00 AM	65.2	79.0	64.8

Leq Average 24 hrs. (dB(A)) 65.9
Lmax (dB(A)) 92.8
L90 (dB(A)) 65.4
Ldn (dB(A)) 72.5
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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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346212

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666322-1

Page 1 of 1

Sample Number 2346212-3
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date May 17 - May 18, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.5	70.9	64.9
11:00 AM - 12:00 PM	65.1	67.1	64.7
12:00 PM - 01:00 PM	65.3	85.8	64.6
01:00 PM - 02:00 PM	66.4	93.1	64.7
02:00 PM - 03:00 PM	65.5	88.2	64.9
03:00 PM - 04:00 PM	65.5	70.2	65.1
04:00 PM - 05:00 PM	65.5	70.5	65.1
05:00 PM - 06:00 PM	65.8	69.6	65.5
06:00 PM - 07:00 PM	66.0	69.0	65.6
07:00 PM - 08:00 PM	65.9	69.3	65.6
08:00 PM - 09:00 PM	65.8	75.7	65.5
09:00 PM - 10:00 PM	65.9	69.5	65.6
10:00 PM - 11:00 PM	66.0	68.5	65.7
11:00 PM - 12:00 AM	66.1	67.6	65.8
12:00 AM - 01:00 AM	66.0	67.6	65.7
01:00 AM - 02:00 AM	66.1	67.6	65.8
02:00 AM - 03:00 AM	66.1	68.2	65.8
03:00 AM - 04:00 AM	66.4	67.7	66.0
04:00 AM - 05:00 AM	66.3	72.1	65.9
05:00 AM - 06:00 AM	66.3	67.9	65.9
06:00 AM - 07:00 AM	66.0	69.0	65.5
07:00 AM - 08:00 AM	65.5	76.2	65.1
08:00 AM - 09:00 AM	66.1	93.9	65.1
09:00 AM - 10:00 AM	65.3	71.8	64.9

Leq Average 24 hrs. (dB(A)) 65.9
Lmax (dB(A)) 93.9
L90 (dB(A)) 65.5
Ldn (dB(A)) 72.5
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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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2346212

Date Received : May 24, 2023
Date Reported : May 29, 2023
Report Number: 2666323-1

Page 1 of 1

Sample Number 2346212-4
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date May 18 - May 19, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.7	90.1	65.0
11:00 AM - 12:00 PM	65.3	71.1	64.9
12:00 PM - 01:00 PM	65.2	76.6	64.8
01:00 PM - 02:00 PM	65.5	90.7	64.7
02:00 PM - 03:00 PM	65.1	73.9	64.7
03:00 PM - 04:00 PM	64.9	69.9	64.4
04:00 PM - 05:00 PM	65.0	69.0	64.5
05:00 PM - 06:00 PM	66.3	72.0	65.0
06:00 PM - 07:00 PM	67.0	71.6	65.9
07:00 PM - 08:00 PM	66.0	69.0	65.7
08:00 PM - 09:00 PM	66.3	72.5	65.8
09:00 PM - 10:00 PM	66.4	69.2	66.0
10:00 PM - 11:00 PM	66.4	69.2	66.0
11:00 PM - 12:00 AM	66.3	69.5	65.9
12:00 AM - 01:00 AM	66.6	70.5	66.1
01:00 AM - 02:00 AM	66.7	68.3	66.3
02:00 AM - 03:00 AM	66.2	67.9	65.8
03:00 AM - 04:00 AM	65.8	67.4	65.5
04:00 AM - 05:00 AM	65.8	70.1	65.5
05:00 AM - 06:00 AM	65.9	75.1	65.6
06:00 AM - 07:00 AM	66.6	70.4	66.0
07:00 AM - 08:00 AM	65.6	72.9	65.0
08:00 AM - 09:00 AM	66.9	80.4	65.1
09:00 AM - 10:00 AM	68.3	74.4	67.0

Leq Average 24 hrs. (dB(A)) 66.1
Lmax (dB(A)) 90.7
L90 (dB(A)) 65.5
Ldn (dB(A)) 72.6
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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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : TPE Site 1

Lot ID: 2346212

Date Received : May 24, 2023
Date Reported : May 29, 2023
Report Number: 2666324-1

Page 1 of 1

Sample Number 2346212-5
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date May 19 - May 20, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	67.2	89.8	65.1
11:00 AM - 12:00 PM	65.1	68.6	64.6
12:00 PM - 01:00 PM	65.0	77.5	64.6
01:00 PM - 02:00 PM	64.9	69.6	64.5
02:00 PM - 03:00 PM	64.8	69.9	64.4
03:00 PM - 04:00 PM	64.9	86.3	64.4
04:00 PM - 05:00 PM	65.1	76.4	64.7
05:00 PM - 06:00 PM	65.2	70.3	64.8
06:00 PM - 07:00 PM	65.4	70.2	65.1
07:00 PM - 08:00 PM	65.6	68.9	65.2
08:00 PM - 09:00 PM	65.6	84.6	65.1
09:00 PM - 10:00 PM	65.4	70.5	65.1
10:00 PM - 11:00 PM	65.5	67.4	65.2
11:00 PM - 12:00 AM	65.4	66.9	65.1
12:00 AM - 01:00 AM	65.5	67.8	65.3
01:00 AM - 02:00 AM	65.6	66.9	65.3
02:00 AM - 03:00 AM	65.5	66.6	65.3
03:00 AM - 04:00 AM	65.5	69.9	65.3
04:00 AM - 05:00 AM	65.6	69.3	65.3
05:00 AM - 06:00 AM	65.6	68.2	65.3
06:00 AM - 07:00 AM	65.6	78.2	65.3
07:00 AM - 08:00 AM	65.3	79.6	65.0
08:00 AM - 09:00 AM	65.9	83.3	65.0
09:00 AM - 10:00 AM	66.4	87.0	65.2

Leq Average 24 hrs. (dB(A)) 65.5
Lmax (dB(A)) 89.8
L90 (dB(A)) 65.1
Ldn (dB(A)) 71.9
Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346212

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666325-1

Page 1 of 1

Sample Number 2346212-6
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date May 20 - May 21, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	65.5	86.5	64.9
11:00 AM - 12:00 PM	65.1	74.1	64.7
12:00 PM - 01:00 PM	65.0	69.3	64.4
01:00 PM - 02:00 PM	64.8	71.1	64.3
02:00 PM - 03:00 PM	64.7	82.6	64.3
03:00 PM - 04:00 PM	65.1	74.5	64.7
04:00 PM - 05:00 PM	65.7	68.5	64.6
05:00 PM - 06:00 PM	65.8	76.1	65.3
06:00 PM - 07:00 PM	66.8	69.1	66.2
07:00 PM - 08:00 PM	66.3	71.5	65.8
08:00 PM - 09:00 PM	66.6	68.2	66.1
09:00 PM - 10:00 PM	66.7	79.4	66.2
10:00 PM - 11:00 PM	66.9	68.9	66.5
11:00 PM - 12:00 AM	67.1	68.7	66.7
12:00 AM - 01:00 AM	66.9	68.4	66.5
01:00 AM - 02:00 AM	67.1	68.3	66.7
02:00 AM - 03:00 AM	67.2	71.1	66.8
03:00 AM - 04:00 AM	67.0	71.5	66.6
04:00 AM - 05:00 AM	67.1	70.6	66.6
05:00 AM - 06:00 AM	67.6	69.8	66.8
06:00 AM - 07:00 AM	66.6	72.3	65.9
07:00 AM - 08:00 AM	65.9	80.6	65.5
08:00 AM - 09:00 AM	65.9	70.6	65.3
09:00 AM - 10:00 AM	65.7	79.5	65.3

Leq Average 24 hrs. (dB(A)) 66.3
Lmax (dB(A)) 86.5
L90 (dB(A)) 65.8
Ldn (dB(A)) 73.3
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2346212

Date Received : May 24, 2023

Date Reported : May 29, 2023

Report Number: 2666326-1

Page 1 of 1

Sample Number 2346212-7
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date May 21 - May 22, 2023
Measurement by Sawai Tonpho
Sound Level meter Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	66.0	71.4	65.4
11:00 AM - 12:00 PM	65.6	67.6	65.2
12:00 PM - 01:00 PM	65.8	86.3	65.1
01:00 PM - 02:00 PM	66.9	93.6	65.2
02:00 PM - 03:00 PM	66.0	88.7	65.4
03:00 PM - 04:00 PM	66.0	70.7	65.6
04:00 PM - 05:00 PM	66.0	71.0	65.6
05:00 PM - 06:00 PM	66.3	70.1	66.0
06:00 PM - 07:00 PM	66.5	69.5	66.1
07:00 PM - 08:00 PM	66.4	69.8	66.1
08:00 PM - 09:00 PM	66.3	76.2	66.0
09:00 PM - 10:00 PM	66.4	70.0	66.1
10:00 PM - 11:00 PM	66.5	69.0	66.2
11:00 PM - 12:00 AM	66.6	68.1	66.3
12:00 AM - 01:00 AM	66.5	68.1	66.2
01:00 AM - 02:00 AM	66.6	68.1	66.3
02:00 AM - 03:00 AM	66.6	68.7	66.3
03:00 AM - 04:00 AM	66.9	68.2	66.5
04:00 AM - 05:00 AM	66.8	72.6	66.4
05:00 AM - 06:00 AM	66.8	68.4	66.4
06:00 AM - 07:00 AM	66.5	69.5	66.0
07:00 AM - 08:00 AM	66.0	76.7	65.6
08:00 AM - 09:00 AM	66.6	94.4	65.6
09:00 AM - 10:00 AM	65.8	72.3	65.4

Leq Average 24 hrs. (dB(A)) 66.4
Lmax (dB(A)) 94.4
L90 (dB(A)) 66.0
Ldn (dB(A)) 73.0
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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ภาคผนวก ค-5

คุณภาพอากาศในสถานประกอบการ



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : LDPE

Lot ID: 2313397

Date Received : Feb 14, 2023
Date Reported : Jun 28, 2023
Report Number : 2559573-1 Rev. No.1

Page 1 of 3

Sample Number : 2313397-1
Sampled Date : Feb 13, 2023
Sample Description : Air Quality
Location : Compressor House
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Drawn into two 10-L air sampling bags
Barometric Pressure : 759 mmHg
Atmospheric Temperature : 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok

Guideline :

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2022).

Sampled By : Peerapat Kahkam

Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : LDPE

Lot ID: 2313397

Date Received : Feb 14, 2023
Date Reported : Jun 28, 2023
Report Number : 2559573-2 Rev. No.1

Page 1 of 3

Sample Number 2313397-1
Sampled Date Feb 13, 2023
Sample Description Air Quality
Location Compressor House
Date Analysis Commenced Feb 15, 2023
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	5.1	Total Hydrocarbon Analyzer	Rayong

Sampled By : Peerapat Kahkam

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 : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : LDPE

Lot ID: 2313397

Date Received : Feb 14, 2023
Date Reported : Jun 28, 2023
Report Number : 2559573-1 Rev. No.1

Page 2 of 3

Sample Number 2313397-2
Sampled Date Feb 13, 2023
Sample Description Air Quality
Location Degassing Hopper
Date Analysis Commenced Feb 15, 2023
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok

Guideline :

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2022).

Sampled By : Peerapat Kahkam

Remark :

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

Approved by

Saranya C.

Saranya Chalermtamrong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313397

Date Received : Feb 14, 2023

Date Reported : Jun 28, 2023

Report Number : 2559573-2 Rev. No.1

Page 2 of 3

Sample Number 2313397-2
Sampled Date Feb 13, 2023
Sample Description Air Quality
Location Degassing Hopper
Date Analysis Commenced Feb 15, 2023
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	8.9	Total Hydrocarbon Analyzer	Rayong

Sampled By : Peerapat Kahkam

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 : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : LDPE

Lot ID: 2313397

Date Received : Feb 14, 2023
Date Reported : Jun 28, 2023
Report Number : 2559573-1 Rev. No.1

Page 3 of 3

Sample Number 2313397-3
Sampled Date Feb 13, 2023
Sample Description Air Quality
Location Recycle Gas Cooler
Date Analysis Commenced Feb 15, 2023
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok

Guideline :

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2022).

Note : This Analysis test report is reissued to supersede report No.2559573-1, Date Reported : Feb 22, 2023 due to revise analytical information.

Sampled By : Peerapat Kahkam

Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2358160

Date Received : Jun 02, 2023

Date Reported : Jun 09, 2023

Report Number : 2664767-1

Page 1 of 1

Sample Number 2358160-1
Sampled Date Jun 01, 2023
Sample Description Air Quality
Location Degassing Hopper
Date Analysis Commenced Jun 02, 2023
Condition of Sample Drawn into one 10-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Total Hydrocarbon as Methane	02:00 PM - 04:00 PM	ppm	-	1.0	2.8	Total Hydrocarbon Analyzer	Rayong

Sampled By : Warawut Pubpa

Remark :

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

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Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : LDPE

Lot ID: 2346215

Date Received : May 17, 2023

Date Reported : May 25, 2023

Report Number : 2632435-1

Page 1 of 3

Sample Number 2346215-1
Sampled Date May 17, 2023
Sample Description Air Quality
Location Compressor House
Date Analysis Commenced May 18, 2023
Condition of Sample Contained in two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	6.0	No Standard	Total Hydrocarbon Analyzer	-	Rayong

Guideline :

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2022).

Sampled By : Sitpawit Suwannarat

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

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10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : LDPE

Lot ID: 2346215

Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2632435-1

Page 2 of 3

Sample Number 2346215-2
Sampled Date May 17, 2023
Sample Description Air Quality
Location Degassing Hopper
Date Analysis Commenced May 18, 2023
Condition of Sample Contained in two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	42.0	No Standard	Total Hydrocarbon Analyzer	-	Rayong

Guideline :

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2022).

Sampled By : Sitpawit Suwannarat

Remark :

- LOD : Limit of Detection
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Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : LDPE

Lot ID: 2346215

Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2632435-1

Page 3 of 3

Sample Number 2346215-3
Sampled Date May 17, 2023
Sample Description Air Quality
Location Recycle Gas Cooler
Date Analysis Commenced May 18, 2023
Condition of Sample Contained in two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	5.6	No Standard	Total Hydrocarbon Analyzer	-	Rayong

Guideline :

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2022).

Sampled By : Sitpawit Suwannarat

Remark :

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

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ภาคผนวก ค-56

ระดับเสียงในสถานประกอบการ



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313523

Date Received : Feb 14, 2023

Date Reported : Feb 18, 2023

Report Number: 2570612-1

Page 1 of 1

Sample Number 2313523-1
Parameter Noise (Leq 8 hrs.)
Location ภายนอก Compressor House
Measurement Date Feb 13, 2023
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	80.9	84.1	80.5
09:00 AM - 10:00 AM	80.9	84.1	80.5
10:00 AM - 11:00 AM	80.9	82.8	80.5
11:00 AM - 12:00 PM	80.9	82.5	80.6
12:00 PM - 01:00 PM	80.9	82.1	80.6
01:00 PM - 02:00 PM	81.1	82.4	80.8
02:00 PM - 03:00 PM	81.1	83.6	80.9
03:00 PM - 04:00 PM	80.9	82.0	80.5

Leq Average 8 hrs. (dB(A))

81.0

Lmax (dB(A))

84.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Thanita K.

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Supot Salamteh
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P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313523

Date Received : Feb 14, 2023

Date Reported : Feb 18, 2023

Report Number: 2570613-1

Page 1 of 1

Sample Number 2313523-2
Parameter Noise (Leq 8 hrs.)
Location Degassing Hopper
Measurement Date Feb 13, 2023
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:04 AM - 09:04 AM	83.0	84.5	82.4
09:04 AM - 10:04 AM	83.1	84.6	82.5
10:04 AM - 11:04 AM	83.5	84.5	82.8
11:04 AM - 12:04 PM	83.6	85.4	82.7
12:04 PM - 01:04 PM	84.0	85.6	83.5
01:04 PM - 02:04 PM	83.7	84.9	83.0
02:04 PM - 03:04 PM	83.6	85.0	82.7
03:04 PM - 04:04 PM	83.6	85.0	82.7

Leq Average 8 hrs. (dB(A))

83.5

Lmax (dB(A))

85.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313523

Date Received : Feb 14, 2023

Date Reported : Feb 18, 2023

Report Number: 2570614-1

Page 1 of 1

Sample Number 2313523-3
Parameter Noise (Leq 8 hrs.)
Location Recycle Gas Cooler
Measurement Date Feb 13, 2023
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:06 AM - 09:06 AM	72.5	85.5	71.4
09:06 AM - 10:06 AM	72.6	85.6	71.5
10:06 AM - 11:06 AM	72.8	83.6	71.9
11:06 AM - 12:06 PM	72.1	90.6	71.4
12:06 PM - 01:06 PM	71.6	73.0	71.3
01:06 PM - 02:06 PM	72.1	82.2	71.3
02:06 PM - 03:06 PM	72.5	85.3	71.5
03:06 PM - 04:06 PM	71.5	80.8	71.1

Leq Average 8 hrs. (dB(A))

72.2

Lmax (dB(A))

90.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313523

Date Received : Feb 14, 2023

Date Reported : Feb 18, 2023

Report Number: 2570615-1

Page 1 of 1

Sample Number 2313523-4
Parameter Noise (Leq 8 hrs.)
Location CCR
Measurement Date Feb 13, 2023
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:06 AM - 09:06 AM	64.4	84.3	55.4
09:06 AM - 10:06 AM	64.3	84.2	55.3
10:06 AM - 11:06 AM	61.0	76.9	54.5
11:06 AM - 12:06 PM	65.1	82.6	56.1
12:06 PM - 01:06 PM	62.1	76.4	54.4
01:06 PM - 02:06 PM	64.7	84.6	57.5
02:06 PM - 03:06 PM	63.7	77.5	56.2
03:06 PM - 04:06 PM	66.0	80.4	56.9

Leq Average 8 hrs. (dB(A))

64.2

Lmax (dB(A))

84.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

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P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313523

Date Received : Feb 14, 2023

Date Reported : Feb 18, 2023

Report Number: 2570616-1

Page 1 of 1

Sample Number 2313523-5
Parameter Noise (Leq 8 hrs.)
Location Bagging Area
Measurement Date Feb 13, 2023
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	80.9	90.3	78.9
09:00 AM - 10:00 AM	80.8	90.2	78.8
10:00 AM - 11:00 AM	80.1	93.5	77.9
11:00 AM - 12:00 PM	77.7	82.8	74.3
12:00 PM - 01:00 PM	80.6	84.9	79.0
01:00 PM - 02:00 PM	80.3	84.3	78.5
02:00 PM - 03:00 PM	79.5	90.0	76.3
03:00 PM - 04:00 PM	80.1	85.3	78.1

Leq Average 8 hrs. (dB(A))

80.1

Lmax (dB(A))

93.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313523

Date Received : Feb 14, 2023

Date Reported : Feb 18, 2023

Report Number: 2570617-1

Page 1 of 1

Sample Number 2313523-6
Parameter Noise (Leq 8 hrs.)
Location Storage Area
Measurement Date Feb 13, 2023
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:03 AM - 09:03 AM	79.4	100.4	75.5
09:03 AM - 10:03 AM	79.6	100.6	75.7
10:03 AM - 11:03 AM	79.3	97.2	76.2
11:03 AM - 12:03 PM	77.5	91.5	75.4
12:03 PM - 01:03 PM	76.3	78.0	75.3
01:03 PM - 02:03 PM	78.6	94.0	75.2
02:03 PM - 03:03 PM	79.5	96.5	76.1
03:03 PM - 04:03 PM	76.2	87.9	75.1

Leq Average 8 hrs. (dB(A))

78.5

Lmax (dB(A))

100.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313523

Date Received : Feb 14, 2023

Date Reported : Feb 18, 2023

Report Number: 2570618-1

Page 1 of 1

Sample Number 2313523-7
Parameter Noise (Leq 8 hrs.)
Location กึ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date Feb 13, 2023
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:01 AM - 09:01 AM	82.3	83.8	82.2
09:01 AM - 10:01 AM	82.2	83.7	82.1
10:01 AM - 11:01 AM	82.1	82.9	82.0
11:01 AM - 12:01 PM	82.1	82.6	81.9
12:01 PM - 01:01 PM	82.0	82.5	81.9
01:01 PM - 02:01 PM	81.9	82.4	81.7
02:01 PM - 03:01 PM	81.9	82.4	81.8
03:01 PM - 04:01 PM	81.9	82.4	81.8

Leq Average 8 hrs. (dB(A))

82.1

Lmax (dB(A))

83.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346217

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number: 2656993-1

Page 1 of 1

Sample Number 2346217-1
Parameter Noise (Leq 8 hrs.)
Location ภายนอก Compressor House
Measurement Date May 17, 2023
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:22 AM - 10:22 AM	81.7	82.3	81.5
10:22 AM - 11:22 AM	81.8	82.7	81.5
11:22 AM - 12:22 PM	81.8	83.3	81.6
12:22 PM - 01:22 PM	82.0	82.7	81.7
01:22 PM - 02:22 PM	82.1	82.7	81.9
02:22 PM - 03:22 PM	82.1	82.7	81.9
03:22 PM - 04:22 PM	82.0	82.5	81.9
04:22 PM - 05:22 PM	81.9	82.5	81.7

Leq Average 8 hrs. (dB(A))

81.9

Lmax (dB(A))

83.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346217

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number: 2656994-1

Page 1 of 1

Sample Number 2346217-2
Parameter Noise (Leq 8 hrs.)
Location Degassing Hopper
Measurement Date May 17, 2023
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:22 AM - 10:22 AM	81.7	82.3	81.5
10:22 AM - 11:22 AM	81.8	82.7	81.5
11:22 AM - 12:22 PM	81.8	83.3	81.6
12:22 PM - 01:22 PM	82.0	82.7	81.7
01:22 PM - 02:22 PM	82.1	82.7	81.9
02:22 PM - 03:22 PM	82.1	82.7	81.9
03:22 PM - 04:22 PM	82.0	82.5	81.9
04:22 PM - 05:22 PM	81.9	82.5	81.7

Leq Average 8 hrs. (dB(A))

81.9

Lmax (dB(A))

83.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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Supot Salamteh
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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346217

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number: 2656995-1

Page 1 of 1

Sample Number 2346217-3
Parameter Noise (Leq 8 hrs.)
Location Recycle Gas Cooler
Measurement Date May 17, 2023
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:08 AM - 10:08 AM	73.8	90.7	72.2
10:08 AM - 11:08 AM	72.9	80.0	72.1
11:08 AM - 12:08 PM	72.4	75.0	72.2
12:08 PM - 01:08 PM	71.8	72.7	71.6
01:08 PM - 02:08 PM	71.7	72.8	71.5
02:08 PM - 03:08 PM	72.4	78.7	72.0
03:08 PM - 04:08 PM	72.3	74.9	72.2
04:08 PM - 05:08 PM	72.7	73.6	72.5

Leq Average 8 hrs. (dB(A))

72.5

Lmax (dB(A))

90.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346217

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number: 2656996-1

Page 1 of 1

Sample Number 2346217-4
Parameter Noise (Leq 8 hrs.)
Location CCR
Measurement Date May 17, 2023
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	62.9	81.0	55.0
10:00 AM - 11:00 AM	64.5	80.4	54.8
11:00 AM - 12:00 PM	72.9	92.5	54.6
12:00 PM - 01:00 PM	56.8	72.9	54.7
01:00 PM - 02:00 PM	63.0	87.1	55.2
02:00 PM - 03:00 PM	60.9	76.6	54.6
03:00 PM - 04:00 PM	60.9	77.1	54.7
04:00 PM - 05:00 PM	62.1	78.9	55.0

Leq Average 8 hrs. (dB(A))

65.9

Lmax (dB(A))

92.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346217

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number: 2656997-1

Page 1 of 1

Sample Number 2346217-5
Parameter Noise (Leq 8 hrs.)
Location Bagging Area
Measurement Date May 17, 2023
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:43 AM - 09:43 AM	77.3	84.4	75.7
09:43 AM - 10:43 AM	76.0	82.2	71.3
10:43 AM - 11:43 AM	76.4	88.7	70.8
11:43 AM - 12:43 PM	77.3	82.8	76.0
12:43 PM - 01:43 PM	77.2	84.0	74.8
01:43 PM - 02:43 PM	80.0	83.2	76.0
02:43 PM - 03:43 PM	79.9	92.4	75.4
03:43 PM - 04:43 PM	79.1	83.4	75.5

Leq Average 8 hrs. (dB(A))

78.1

Lmax (dB(A))

92.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346217

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number: 2656998-1

Page 1 of 1

Sample Number 2346217-6
Parameter Noise (Leq 8 hrs.)
Location Storage Area
Measurement Date May 17, 2023
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:28 AM - 09:28 AM	77.6	89.7	77.3
09:28 AM - 10:28 AM	77.3	80.9	76.8
10:28 AM - 11:28 AM	77.4	78.0	77.1
11:28 AM - 12:28 PM	77.0	77.7	76.9
12:28 PM - 01:28 PM	77.1	79.7	76.9
01:28 PM - 02:28 PM	77.4	81.0	77.1
02:28 PM - 03:28 PM	77.4	77.9	77.2
03:28 PM - 04:28 PM	77.3	81.1	76.7

Leq Average 8 hrs. (dB(A))

77.3

Lmax (dB(A))

89.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346217

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number: 2656999-1

Page 1 of 1

Sample Number 2346217-7
Parameter Noise (Leq 8 hrs.)
Location กิ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date May 17, 2023
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:29 AM - 10:29 AM	81.4	82.2	81.2
10:29 AM - 11:29 AM	81.3	82.1	81.0
11:29 AM - 12:29 PM	81.2	88.9	80.8
12:29 PM - 01:29 PM	81.1	81.9	80.8
01:29 PM - 02:29 PM	80.8	81.6	80.6
02:29 PM - 03:29 PM	80.8	81.6	80.6
03:29 PM - 04:29 PM	80.8	81.4	80.6
04:29 PM - 05:29 PM	80.9	81.7	80.7

Leq Average 8 hrs. (dB(A))

81.0

Lmax (dB(A))

88.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

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P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313400

Date Received : Feb 14, 2023

Date Reported : Feb 18, 2023

Report Number: 2570608-1

Page 1 of 1

Sample Number 2313400-4
Parameter Noise (Leq 12 hrs.)
Location CCR
Measurement Date Feb 13, 2023
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:06 AM - 09:06 AM	64.4	84.3	55.4
09:06 AM - 10:06 AM	64.3	84.2	55.3
10:06 AM - 11:06 AM	61.0	76.9	54.5
11:06 AM - 12:06 PM	65.1	82.6	56.1
12:06 PM - 01:06 PM	62.1	76.4	54.4
01:06 PM - 02:06 PM	64.7	84.6	57.5
02:06 PM - 03:06 PM	63.7	77.5	56.2
03:06 PM - 04:06 PM	66.0	80.4	56.9
04:06 PM - 05:06 PM	63.9	79.4	55.8
05:06 PM - 06:06 PM	63.0	78.7	54.7
06:06 PM - 07:06 PM	63.6	78.8	54.9
07:06 PM - 08:06 PM	63.4	78.6	54.7

Leq Average 12 hrs. (dB(A))

63.9

Lmax (dB(A))

84.6

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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Technical Management

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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346216

Date Received : May 18, 2023

Date Reported : May 23, 2023

Report Number: 2656989-1

Page 1 of 1

Sample Number 2346216-4
Parameter Noise (Leq 12 hrs.)
Location CCR
Measurement Date May 17, 2023
Measurement by Sitpawit Suwannarat

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	62.9	81.0	55.0
10:00 AM - 11:00 AM	64.5	80.4	54.8
11:00 AM - 12:00 PM	72.9	92.5	54.6
12:00 PM - 01:00 PM	56.8	72.9	54.7
01:00 PM - 02:00 PM	63.0	87.1	55.2
02:00 PM - 03:00 PM	60.9	76.6	54.6
03:00 PM - 04:00 PM	60.9	77.1	54.7
04:00 PM - 05:00 PM	62.1	78.9	55.0
05:00 PM - 06:00 PM	64.5	84.0	54.3
06:00 PM - 07:00 PM	64.0	79.5	54.9
07:00 PM - 08:00 PM	63.4	78.9	54.3
08:00 PM - 09:00 PM	63.6	83.1	53.4

Leq Average 12 hrs. (dB(A))

65.3

Lmax (dB(A))

92.5

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2313402

Date Received : Feb 14, 2023

Date Reported : Feb 20, 2023

Report Number : 2573468-1

Page 1 of 1

Sample Number 2313402-1
Parameter Octave band (12 hrs.)
Location ภาชนะ Compressor House
Measurement Date Feb 13, 2023
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	80.9	6.1	29.9	47.9	67.0	73.7	77.0	74.4	70.9	64.4	59.1	47.9
09:00 AM - 10:00 AM	80.9	6.1	29.9	47.9	67.0	73.7	77.0	74.4	70.9	64.4	59.1	47.9
10:00 AM - 11:00 AM	80.9	6.3	29.9	47.9	67.0	73.6	77.1	74.3	70.8	64.4	59.2	47.9
11:00 AM - 12:00 PM	80.9	6.2	29.8	47.9	66.7	73.8	77.1	74.3	70.8	64.4	59.4	48.1
12:00 PM - 01:00 PM	80.9	8.2	29.8	47.9	66.6	73.8	77.1	74.4	70.8	64.3	59.2	47.9
01:00 PM - 02:00 PM	81.1	8.8	29.6	48.0	66.5	74.0	77.4	74.6	70.8	64.5	59.1	48.1
02:00 PM - 03:00 PM	81.1	7.2	29.5	48.2	66.1	73.8	77.4	74.7	71.0	64.7	59.2	48.1
03:00 PM - 04:00 PM	80.9	6.2	29.5	47.9	65.3	73.8	77.1	74.5	70.9	64.6	59.2	48.3
04:00 PM - 05:00 PM	80.7	7.3	29.6	47.8	65.2	73.8	76.8	74.4	70.8	64.6	59.5	48.3
05:00 PM - 06:00 PM	80.6	5.5	29.7	48.0	65.3	73.6	76.6	74.4	70.9	64.6	59.2	48.4
06:00 PM - 07:00 PM	80.7	4.7	29.7	48.1	65.5	73.7	76.7	74.4	70.9	64.5	59.2	48.4
07:00 PM - 08:00 PM	80.8	4.8	29.8	48.2	65.6	73.8	76.8	74.5	71.0	64.6	59.3	48.5
Average	80.9	6.6	29.7	48.0	66.2	73.8	77.0	74.4	70.9	64.5	59.2	48.2

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Saranya Chalermtamrong
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Supot Salamteh
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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2313402

Date Received : Feb 14, 2023

Date Reported : Feb 20, 2023

Report Number : 2573469-1

Page 1 of 1

Sample Number 2313402-2
Parameter Octave band (12 hrs.)
Location Degassing Hopper
Measurement Date Feb 13, 2023
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:04 AM - 09:04 AM	83.0	21.3	43.3	60.5	68.3	69.4	74.8	78.1	78.1	72.7	64.3	49.5
09:04 AM - 10:04 AM	83.1	21.4	43.4	60.6	68.4	69.5	74.9	78.2	78.2	72.8	64.4	49.6
10:04 AM - 11:04 AM	83.5	21.0	44.3	60.8	68.8	71.3	76.3	78.0	78.2	73.7	67.2	53.6
11:04 AM - 12:04 PM	83.6	21.9	44.4	61.3	69.0	70.5	76.2	78.3	78.6	73.6	66.0	51.5
12:04 PM - 01:04 PM	84.0	23.7	43.4	60.5	69.2	70.8	76.5	78.7	79.1	73.7	65.1	50.6
01:04 PM - 02:04 PM	83.7	25.7	42.8	61.3	69.6	71.3	75.7	78.3	78.6	74.2	66.8	52.5
02:04 PM - 03:04 PM	83.6	25.1	42.4	60.4	69.4	70.9	75.5	77.9	78.7	74.4	67.1	53.0
03:04 PM - 04:04 PM	83.6	26.9	42.6	61.2	69.6	70.8	75.4	78.4	78.4	74.2	67.1	52.8
04:04 PM - 05:04 PM	83.4	26.4	42.7	61.0	69.2	70.6	75.1	77.7	78.7	74.6	67.3	53.3
05:04 PM - 06:04 PM	85.2	23.3	43.7	61.4	70.1	73.8	79.8	79.6	79.2	73.8	64.6	49.4
06:04 PM - 07:04 PM	85.5	20.0	43.7	60.6	69.9	73.8	80.5	79.9	79.4	73.4	61.8	42.5
07:04 PM - 08:04 PM	85.3	19.8	43.5	60.4	69.7	73.6	80.3	79.7	79.2	73.2	61.6	42.3
Average	84.0	23.7	43.4	60.8	69.3	71.6	77.3	78.6	78.7	73.7	65.7	51.2

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2313402

Date Received : Feb 14, 2023

Date Reported : Feb 20, 2023

Report Number : 2573470-1

Page 1 of 1

Sample Number 2313402-3
Parameter Octave band (12 hrs.)
Location Recycle Gas Cooler
Measurement Date Feb 13, 2023
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:06 AM - 09:06 AM	72.5	22.8	38.6	52.8	58.0	65.6	64.7	65.1	65.6	64.1	59.1	46.4
09:06 AM - 10:06 AM	72.6	22.9	38.7	52.9	58.1	65.7	64.8	65.2	65.7	64.2	59.2	46.5
10:06 AM - 11:06 AM	72.8	22.9	38.7	53.1	58.3	65.5	66.0	65.3	65.6	64.4	59.4	46.5
11:06 AM - 12:06 PM	72.1	23.0	39.0	53.3	58.4	65.7	65.2	64.2	64.4	63.2	59.0	46.3
12:06 PM - 01:06 PM	71.6	22.6	38.3	53.0	58.2	65.9	64.6	63.4	63.2	62.5	58.7	46.0
01:06 PM - 02:06 PM	72.1	22.7	38.2	52.9	58.0	65.6	64.7	64.2	64.7	63.7	58.8	46.1
02:06 PM - 03:06 PM	72.5	22.9	38.6	53.1	58.3	65.6	64.7	65.0	65.6	64.4	59.1	46.4
03:06 PM - 04:06 PM	71.5	22.8	38.6	52.4	58.2	65.3	64.2	63.7	63.6	62.9	58.3	46.0
04:06 PM - 05:06 PM	71.9	23.3	39.1	52.7	58.6	66.0	65.3	63.9	63.5	62.6	58.7	46.1
05:06 PM - 06:06 PM	72.0	23.5	39.5	53.4	58.9	66.3	65.0	64.3	63.6	62.5	58.1	46.3
06:06 PM - 07:06 PM	72.1	23.8	39.6	53.7	59.1	66.4	65.3	64.5	63.7	62.4	58.2	46.3
07:06 PM - 08:06 PM	72.2	23.9	39.7	53.8	59.2	66.5	65.4	64.6	63.8	62.5	58.3	46.4
Average	72.2	23.1	38.9	53.1	58.5	65.9	65.0	64.5	64.5	63.4	58.8	46.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2313402

Date Received : Feb 14, 2023

Date Reported : Feb 20, 2023

Report Number : 2573471-1

Page 1 of 1

Sample Number 2313402-4
Parameter Octave band (12 hrs.)
Location CCR
Measurement Date Feb 13, 2023
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:06 AM - 09:06 AM	64.4	11.9	20.9	30.1	43.7	50.3	59.3	59.8	57.9	52.0	43.8	46.4
09:06 AM - 10:06 AM	64.3	11.8	20.8	30.0	43.6	50.2	59.2	59.7	57.8	51.9	43.7	31.5
10:06 AM - 11:06 AM	61.0	11.5	20.6	28.7	42.1	47.7	55.6	56.4	54.4	50.1	40.7	27.0
11:06 AM - 12:06 PM	65.1	11.7	20.6	29.9	44.1	51.3	60.2	60.9	57.7	53.0	44.1	30.3
12:06 PM - 01:06 PM	62.1	12.2	20.6	28.5	43.2	50.0	56.9	57.5	55.4	49.8	39.7	25.1
01:06 PM - 02:06 PM	64.7	12.6	20.5	29.3	44.9	51.8	60.0	60.2	57.4	52.5	43.9	29.9
02:06 PM - 03:06 PM	63.7	12.1	20.6	29.2	43.9	50.4	58.8	59.3	56.4	51.6	42.7	29.1
03:06 PM - 04:06 PM	66.0	13.8	20.9	29.9	44.6	52.2	61.6	61.5	58.4	52.9	44.0	31.4
04:06 PM - 05:06 PM	63.9	13.0	20.7	29.0	43.7	50.4	59.1	59.5	56.5	51.6	42.3	27.7
05:06 PM - 06:06 PM	63.0	11.9	20.8	29.0	42.9	50.2	57.3	58.5	56.5	52.1	40.7	25.9
06:06 PM - 07:06 PM	63.6	11.5	20.7	29.6	44.4	49.9	58.3	59.1	56.9	51.5	42.6	29.2
07:06 PM - 08:06 PM	63.4	11.3	20.5	29.4	44.2	49.7	58.1	58.9	56.7	51.3	42.4	29.0
Average	63.9	12.2	20.7	29.4	43.8	50.5	59.0	59.5	57.0	51.8	42.8	36.4

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2313402

Date Received : Feb 14, 2023

Date Reported : Feb 20, 2023

Report Number : 2573472-1

Page 1 of 1

Sample Number 2313402-5
Parameter Octave band (12 hrs.)
Location Bagging Area
Measurement Date Feb 13, 2023
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	80.9	21.1	39.1	51.6	60.0	66.2	70.6	72.8	74.6	76.0	72.5	62.9
09:00 AM - 10:00 AM	80.8	21.0	39.0	51.5	59.9	66.1	70.5	72.7	74.5	75.9	72.4	62.8
10:00 AM - 11:00 AM	80.1	20.1	38.5	51.3	59.7	65.7	70.2	72.2	74.3	75.1	70.3	59.0
11:00 AM - 12:00 PM	77.7	19.9	38.0	50.2	59.0	64.5	68.4	70.3	71.7	72.2	67.8	57.8
12:00 PM - 01:00 PM	80.6	20.1	38.4	51.4	59.9	66.3	70.8	72.9	74.5	75.6	70.8	59.3
01:00 PM - 02:00 PM	80.3	21.0	38.5	51.2	59.9	66.4	70.7	72.8	74.3	75.1	70.3	58.9
02:00 PM - 03:00 PM	79.5	21.7	38.2	50.0	59.6	65.5	69.6	71.7	73.4	74.6	70.1	59.3
03:00 PM - 04:00 PM	80.1	21.4	38.3	50.6	59.7	66.0	70.0	72.1	73.9	75.4	70.8	59.1
04:00 PM - 05:00 PM	80.0	21.1	38.0	51.1	60.0	66.4	70.5	72.7	74.1	74.6	69.6	58.9
05:00 PM - 06:00 PM	79.3	19.9	37.9	50.1	59.5	65.2	69.4	71.5	72.6	73.4	71.7	65.1
06:00 PM - 07:00 PM	79.4	20.0	38.0	50.2	59.6	65.3	69.5	71.6	72.7	73.5	71.8	65.2
07:00 PM - 08:00 PM	79.2	19.8	37.8	50.0	59.4	65.1	69.3	71.4	72.5	73.3	71.6	65.0
Average	79.9	20.6	38.3	50.8	59.7	65.8	70.0	72.1	73.7	74.7	71.0	62.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2313402

Date Received : Feb 14, 2023

Date Reported : Feb 20, 2023

Report Number : 2573473-1

Page 1 of 1

Sample Number 2313402-6
Parameter Octave band (12 hrs.)
Location Storage Area
Measurement Date Feb 13, 2023
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:03 AM - 09:03 AM	79.4	24.1	39.4	54.2	61.4	70.5	70.0	73.5	74.9	70.0	62.6	51.5
09:03 AM - 10:03 AM	79.6	24.3	39.6	54.4	61.6	70.7	70.2	73.7	75.1	70.2	62.8	51.7
10:03 AM - 11:03 AM	79.3	24.3	39.5	54.4	61.6	70.9	70.5	73.2	74.1	70.4	63.2	53.3
11:03 AM - 12:03 PM	77.5	24.3	39.8	54.3	61.6	72.2	69.9	70.2	70.7	67.0	60.3	48.9
12:03 PM - 01:03 PM	76.3	24.1	39.2	53.7	61.4	72.6	69.4	67.6	67.6	63.8	56.9	40.4
01:03 PM - 02:03 PM	78.6	24.4	39.4	53.4	61.4	71.5	70.3	72.0	73.1	69.3	61.6	50.9
02:03 PM - 03:03 PM	79.5	24.4	39.4	53.5	61.1	71.7	70.6	73.1	74.1	70.8	63.4	53.7
03:03 PM - 04:03 PM	76.2	24.2	39.3	53.2	61.2	71.0	69.2	68.8	68.6	65.2	57.2	45.5
04:03 PM - 05:03 PM	75.7	24.3	39.3	53.0	61.3	71.4	69.2	67.6	67.1	63.3	56.8	39.8
05:03 PM - 06:03 PM	76.1	24.2	39.3	53.1	61.5	72.4	69.2	67.6	67.1	63.2	55.0	40.0
06:03 PM - 07:03 PM	76.4	24.5	39.4	53.4	62.0	72.9	69.6	67.7	67.2	63.1	55.4	40.3
07:03 PM - 08:03 PM	76.2	24.3	39.2	53.2	61.8	72.7	69.4	67.5	67.0	62.9	55.2	40.1
Average	77.8	24.3	39.4	53.7	61.5	71.8	69.8	71.0	71.8	67.7	60.4	49.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermtamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2313402

Date Received : Feb 14, 2023

Date Reported : Feb 20, 2023

Report Number : 2573474-1

Page 1 of 1

Sample Number 2313402-7
Parameter Octave band (12 hrs.)
Location คีงกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date Feb 13, 2023
Measurement By Natthapon Jiengwareewong

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:01 AM - 09:01 AM	82.3	23.2	40.0	57.8	66.2	70.7	72.0	70.3	72.4	77.9	76.7	64.6
09:01 AM - 10:01 AM	82.2	23.1	39.9	57.7	66.1	70.6	71.9	70.2	72.3	77.8	76.6	64.5
10:01 AM - 11:01 AM	82.1	23.0	39.8	57.6	65.8	70.7	71.4	70.0	71.9	77.7	76.5	64.4
11:01 AM - 12:01 PM	82.1	23.0	39.8	57.4	65.4	70.9	71.3	70.2	72.3	77.6	76.3	64.2
12:01 PM - 01:01 PM	82.0	23.1	39.6	57.1	65.3	71.0	71.4	70.1	72.3	77.5	76.2	64.1
01:01 PM - 02:01 PM	81.9	24.0	39.4	56.9	65.3	70.9	71.3	70.0	72.2	77.4	76.0	63.8
02:01 PM - 03:01 PM	81.9	23.6	39.6	57.1	65.5	71.0	71.1	70.1	72.3	77.4	76.0	63.8
03:01 PM - 04:01 PM	81.9	24.5	39.8	57.4	65.5	70.9	71.1	70.1	72.1	77.5	76.1	64.0
04:01 PM - 05:01 PM	82.0	24.2	39.9	57.5	66.1	70.9	71.3	70.3	72.5	77.5	76.0	64.0
05:01 PM - 06:01 PM	81.9	23.3	40.2	57.6	66.1	70.7	71.3	70.1	72.4	77.5	76.0	64.0
06:01 PM - 07:01 PM	82.0	23.1	40.3	57.8	66.5	70.8	71.4	70.4	72.5	77.5	76.0	64.1
07:01 PM - 08:01 PM	82.1	23.2	40.4	57.9	66.6	70.9	71.5	70.5	72.6	77.6	76.1	64.2
Average	82.0	23.5	39.9	57.5	65.9	70.8	71.4	70.2	72.3	77.6	76.2	64.1

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661174-1

Page 1 of 1

Sample Number 2346219-1
Parameter Octave band (12 hrs.)
Location ภาชนะ Compressor House
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:22 AM - 10:22 AM	81.7	27.2	45.0	58.1	69.6	75.2	75.3	74.8	74.0	71.1	65.4	51.3
10:22 AM - 11:22 AM	81.8	27.0	44.8	58.2	69.4	75.3	75.6	74.8	73.9	71.0	65.1	51.1
11:22 AM - 12:22 PM	81.8	27.0	44.9	58.8	69.2	75.2	75.4	75.0	74.1	71.2	65.1	51.2
12:22 PM - 01:22 PM	82.0	27.0	45.0	58.7	68.8	75.7	75.5	75.0	74.2	71.4	65.2	51.3
01:22 PM - 02:22 PM	82.1	26.8	44.9	58.4	69.0	75.7	75.9	75.1	74.3	71.4	65.2	51.4
02:22 PM - 03:22 PM	82.1	26.9	44.9	58.1	69.1	75.5	75.9	75.3	74.4	71.6	65.1	51.5
03:22 PM - 04:22 PM	82.0	27.3	45.0	58.1	69.1	75.3	75.8	75.3	74.3	71.6	65.3	51.4
04:22 PM - 05:22 PM	81.9	27.6	45.0	58.2	69.1	75.4	75.5	75.2	74.2	71.5	65.3	51.5
05:22 PM - 06:22 PM	81.8	27.2	45.0	58.3	69.2	75.1	75.4	75.0	74.3	71.4	65.4	51.6
06:22 PM - 07:22 PM	81.8	27.0	45.0	58.0	69.2	75.2	75.2	75.0	74.3	71.3	65.3	51.6
07:22 PM - 08:22 PM	81.6	26.8	44.8	57.8	69.0	75.0	75.0	74.8	74.1	71.1	65.1	51.4
08:22 PM - 09:22 PM	81.1	26.4	44.1	57.2	68.2	74.4	74.9	74.4	73.4	70.7	64.4	50.5
Average	81.8	27.0	44.9	58.2	69.1	75.3	75.5	75.0	74.1	71.3	65.2	51.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661175-1

Page 1 of 1

Sample Number 2346219-2
Parameter Octave band (12 hrs.)
Location Degassing Hopper
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:07 AM - 10:07 AM	84.4	22.5	40.9	59.7	69.6	74.6	78.0	79.1	78.0	73.5	65.7	53.1
10:07 AM - 11:07 AM	83.5	22.0	41.3	59.6	67.7	72.5	78.3	77.5	77.3	72.9	64.6	50.1
11:07 AM - 12:07 PM	80.0	17.1	40.3	59.5	63.4	68.3	73.7	73.7	74.7	70.4	63.2	49.1
12:07 PM - 01:07 PM	79.0	17.0	40.1	59.9	63.3	68.3	74.0	73.5	70.8	68.3	63.7	50.4
01:07 PM - 02:07 PM	79.8	16.8	40.2	60.9	66.1	68.3	74.1	73.5	73.4	70.0	64.1	50.2
02:07 PM - 03:07 PM	79.9	17.4	40.6	60.9	63.8	68.2	74.9	74.9	72.0	68.4	62.9	49.6
03:07 PM - 04:07 PM	82.4	17.7	40.3	60.7	66.4	70.5	77.8	76.8	75.0	70.7	63.8	49.9
04:07 PM - 05:07 PM	82.4	22.5	40.7	60.0	68.2	69.8	75.9	76.6	76.6	72.9	67.1	55.2
05:07 PM - 06:07 PM	82.1	22.0	39.6	58.9	67.8	67.7	74.2	76.8	77.3	72.6	65.2	51.6
06:07 PM - 07:07 PM	82.4	19.7	40.1	58.0	67.6	67.9	74.9	76.5	77.6	73.4	66.4	53.3
07:07 PM - 08:07 PM	82.3	22.2	39.8	59.1	68.0	67.9	74.4	77.0	77.5	72.8	65.4	51.8
08:07 PM - 09:07 PM	82.2	17.5	40.1	60.5	66.2	70.3	77.6	76.6	74.8	70.5	63.6	49.7
Average	82.0	20.2	40.4	59.9	66.9	70.1	76.0	76.4	75.9	71.7	64.8	51.6

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661176-1

Page 1 of 1

Sample Number 2346219-3
Parameter Octave band (12 hrs.)
Location Recycle Gas Cooler
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:08 AM - 10:08 AM	73.8	22.5	38.5	52.8	60.2	65.9	66.0	66.1	67.3	65.8	62.0	49.9
10:08 AM - 11:08 AM	72.9	22.6	38.6	52.7	60.1	65.6	65.7	65.4	65.9	64.0	60.1	44.9
11:08 AM - 12:08 PM	72.4	22.1	38.8	52.8	60.1	65.7	65.5	64.6	65.1	63.2	59.3	44.3
12:08 PM - 01:08 PM	71.8	21.9	38.1	52.1	59.9	64.5	64.5	64.0	64.8	63.1	59.1	44.1
01:08 PM - 02:08 PM	71.7	21.3	37.8	51.7	60.0	64.3	64.4	63.9	64.7	63.1	58.9	44.5
02:08 PM - 03:08 PM	72.4	21.7	38.7	52.2	60.1	65.4	65.4	64.7	65.4	63.4	58.8	44.4
03:08 PM - 04:08 PM	72.3	21.9	38.5	51.9	59.9	65.7	65.2	64.5	65.1	63.2	58.9	44.1
04:08 PM - 05:08 PM	72.7	22.4	38.9	52.3	60.5	66.4	65.4	64.7	65.3	63.3	59.3	44.3
05:08 PM - 06:08 PM	72.8	22.7	39.2	52.5	60.8	66.5	65.7	64.9	65.5	63.1	59.3	44.4
06:08 PM - 07:08 PM	73.0	23.0	39.3	52.7	61.1	66.4	65.9	65.1	65.6	63.8	59.3	44.6
07:08 PM - 08:08 PM	73.2	23.2	39.5	52.9	61.3	66.6	66.1	65.3	65.8	64.0	59.5	44.8
08:08 PM - 09:08 PM	73.2	22.8	39.4	52.8	60.8	66.6	66.1	65.4	66.0	64.1	59.8	45.0
Average	72.7	22.4	38.8	52.5	60.4	65.9	65.5	64.9	65.6	63.7	59.6	45.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661177-1

Page 1 of 1

Sample Number 2346219-4
Parameter Octave band (12 hrs.)
Location CCR
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:00 AM - 10:00 AM	62.9	15.1	27.9	31.7	41.8	47.9	56.0	58.1	58.7	48.1	37.5	49.9
10:00 AM - 11:00 AM	64.5	15.2	27.9	31.2	42.3	50.8	59.1	60.1	58.9	49.4	40.7	28.7
11:00 AM - 12:00 PM	72.9	15.1	27.9	31.6	41.5	48.5	66.7	70.6	64.6	54.7	41.4	26.8
12:00 PM - 01:00 PM	56.8	15.2	27.8	31.1	40.6	44.8	51.0	53.0	49.6	43.6	31.5	18.0
01:00 PM - 02:00 PM	63.0	15.4	27.7	31.7	41.9	48.1	57.9	59.5	55.1	50.3	40.5	26.5
02:00 PM - 03:00 PM	60.9	15.1	27.7	31.7	41.3	47.5	55.0	56.7	54.9	47.8	36.6	24.4
03:00 PM - 04:00 PM	60.9	15.2	27.5	31.7	41.8	47.2	54.4	57.1	54.8	48.1	38.7	25.7
04:00 PM - 05:00 PM	62.1	16.3	27.6	31.9	42.5	48.3	56.8	58.1	55.2	48.6	40.3	28.0
05:00 PM - 06:00 PM	64.5	15.6	27.7	32.0	42.0	49.8	59.1	61.0	57.6	49.3	38.2	26.5
06:00 PM - 07:00 PM	64.0	15.7	27.8	31.6	42.4	49.2	59.0	59.8	57.3	49.5	38.4	25.8
07:00 PM - 08:00 PM	63.4	15.1	27.2	31.0	41.8	48.6	58.4	59.2	56.7	48.9	37.8	25.2
08:00 PM - 09:00 PM	63.6	14.7	26.8	31.1	41.1	48.9	58.2	60.1	56.7	48.4	37.3	25.6
Average	65.3	15.3	27.6	31.5	41.8	48.5	59.5	62.2	58.1	49.6	38.8	39.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661178-1

Page 1 of 1

Sample Number 2346219-5
Parameter Octave band (12 hrs.)
Location Bagging Area
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:43 AM - 09:43 AM	77.3	21.0	39.1	53.7	61.3	64.7	68.9	69.1	70.8	71.9	67.3	57.0
09:43 AM - 10:43 AM	76.0	19.0	38.5	52.6	61.3	63.4	66.2	67.7	69.5	70.7	67.1	56.5
10:43 AM - 11:43 AM	76.4	18.3	38.3	52.0	61.3	63.0	66.2	70.6	69.8	70.1	66.2	56.0
11:43 AM - 12:43 PM	77.3	16.8	38.5	53.1	60.9	63.3	66.1	68.7	71.0	72.7	68.6	57.2
12:43 PM - 01:43 PM	77.2	21.1	38.7	53.4	61.3	64.1	67.2	69.6	70.8	71.9	68.2	57.7
01:43 PM - 02:43 PM	80.0	18.8	39.2	54.0	62.0	65.6	70.0	72.8	74.4	74.3	70.0	59.6
02:43 PM - 03:43 PM	79.9	20.1	39.6	54.1	61.8	65.7	70.3	72.7	74.2	74.1	69.8	59.4
03:43 PM - 04:43 PM	79.1	20.3	39.7	53.7	61.7	65.2	69.1	71.7	73.3	73.4	69.3	58.8
04:43 PM - 05:43 PM	80.0	18.8	38.6	53.6	61.8	65.8	70.3	73.1	74.5	73.9	69.5	59.5
05:43 PM - 06:43 PM	79.3	20.5	39.9	53.9	61.9	65.4	69.3	71.9	73.5	73.6	69.5	59.0
06:43 PM - 07:43 PM	80.2	20.4	39.9	54.4	62.1	66.0	70.6	73.0	74.5	74.4	70.1	59.7
07:43 PM - 08:43 PM	80.2	19.0	39.4	54.2	62.2	65.8	70.2	73.0	74.6	74.5	70.2	59.8
Average	78.8	19.7	39.2	53.6	61.7	65.0	69.0	71.5	73.0	73.2	69.0	58.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661179-1

Page 1 of 1

Sample Number 2346219-6
Parameter Octave band (12 hrs.)
Location Storage Area
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:28 AM - 09:28 AM	77.6	23.0	39.0	51.5	60.9	73.0	69.3	69.2	70.4	68.2	62.5	47.4
09:28 AM - 10:28 AM	77.3	23.1	39.1	51.6	60.9	72.4	69.0	68.8	70.5	68.1	62.2	44.9
10:28 AM - 11:28 AM	77.4	22.6	39.2	51.8	61.1	72.7	69.2	68.6	70.4	68.0	61.8	44.8
11:28 AM - 12:28 PM	77.0	22.6	38.9	51.9	61.1	72.0	68.9	68.4	70.3	68.0	61.7	44.8
12:28 PM - 01:28 PM	77.1	22.4	38.8	51.8	60.9	72.1	68.9	68.5	70.3	68.1	61.7	45.0
01:28 PM - 02:28 PM	77.4	22.4	39.1	52.0	60.9	72.5	69.2	68.8	70.5	68.2	61.6	45.1
02:28 PM - 03:28 PM	77.4	22.5	38.6	52.1	60.8	72.7	69.2	68.7	70.5	68.2	61.7	45.0
03:28 PM - 04:28 PM	77.3	22.8	38.8	51.9	60.5	72.7	69.1	68.8	70.2	67.8	61.8	44.7
04:28 PM - 05:28 PM	77.5	22.6	38.9	52.1	60.7	73.2	69.3	68.9	70.1	67.7	61.6	44.6
05:28 PM - 06:28 PM	77.8	22.6	38.9	52.4	61.0	73.6	69.7	69.0	70.4	68.2	61.7	44.8
06:28 PM - 07:28 PM	77.5	22.3	38.6	52.1	60.7	73.3	69.4	68.7	70.1	67.9	61.4	44.5
07:28 PM - 08:28 PM	77.6	23.1	39.1	52.2	60.8	73.0	69.4	69.1	70.5	68.1	62.1	45.0
Average	77.4	22.7	38.9	52.0	60.9	72.8	69.2	68.8	70.4	68.0	61.8	45.1

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661180-1

Page 1 of 1

Sample Number 2346219-7
Parameter Octave band (12 hrs.)
Location กึ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:29 AM - 10:29 AM	81.4	24.3	39.5	56.3	64.0	69.7	68.7	69.1	72.2	77.1	76.0	65.3
10:29 AM - 11:29 AM	81.3	23.9	39.1	56.0	64.0	69.6	68.1	68.7	72.2	77.0	75.8	65.2
11:29 AM - 12:29 PM	81.2	23.8	38.8	55.8	63.8	68.9	67.9	68.8	72.3	76.9	75.8	65.1
12:29 PM - 01:29 PM	81.1	23.8	38.6	54.9	64.0	69.1	67.7	68.6	71.4	76.9	75.8	65.1
01:29 PM - 02:29 PM	80.8	23.5	38.8	55.7	63.7	69.2	67.5	68.5	70.6	76.7	75.6	64.9
02:29 PM - 03:29 PM	80.8	23.6	38.9	56.0	63.4	68.8	67.7	68.8	70.6	76.6	75.5	64.8
03:29 PM - 04:29 PM	80.8	24.0	38.9	56.6	63.2	68.8	67.9	68.7	70.4	76.6	75.5	64.7
04:29 PM - 05:29 PM	80.9	24.3	38.7	56.1	63.1	68.6	68.2	69.2	71.1	76.7	75.6	64.9
05:29 PM - 06:29 PM	81.3	23.9	39.0	54.6	63.8	68.8	68.2	69.4	72.1	77.0	75.9	65.2
06:29 PM - 07:29 PM	81.1	23.7	38.8	54.4	63.6	68.6	68.0	69.2	71.9	76.8	75.7	65.0
07:29 PM - 08:29 PM	81.0	23.8	39.1	56.2	63.6	69.0	67.9	69.0	70.8	76.8	75.7	65.0
08:29 PM - 09:29 PM	80.9	23.6	38.4	54.7	63.8	68.9	67.5	68.4	71.2	76.7	75.6	64.9
Average	81.1	23.9	38.9	55.7	63.7	69.0	68.0	68.9	71.5	76.8	75.7	65.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661174-1

Page 1 of 1

Sample Number 2346219-1
Parameter Octave band (12 hrs.)
Location ภาชนะ Compressor House
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:22 AM - 10:22 AM	81.7	27.2	45.0	58.1	69.6	75.2	75.3	74.8	74.0	71.1	65.4	51.3
10:22 AM - 11:22 AM	81.8	27.0	44.8	58.2	69.4	75.3	75.6	74.8	73.9	71.0	65.1	51.1
11:22 AM - 12:22 PM	81.8	27.0	44.9	58.8	69.2	75.2	75.4	75.0	74.1	71.2	65.1	51.2
12:22 PM - 01:22 PM	82.0	27.0	45.0	58.7	68.8	75.7	75.5	75.0	74.2	71.4	65.2	51.3
01:22 PM - 02:22 PM	82.1	26.8	44.9	58.4	69.0	75.7	75.9	75.1	74.3	71.4	65.2	51.4
02:22 PM - 03:22 PM	82.1	26.9	44.9	58.1	69.1	75.5	75.9	75.3	74.4	71.6	65.1	51.5
03:22 PM - 04:22 PM	82.0	27.3	45.0	58.1	69.1	75.3	75.8	75.3	74.3	71.6	65.3	51.4
04:22 PM - 05:22 PM	81.9	27.6	45.0	58.2	69.1	75.4	75.5	75.2	74.2	71.5	65.3	51.5
05:22 PM - 06:22 PM	81.8	27.2	45.0	58.3	69.2	75.1	75.4	75.0	74.3	71.4	65.4	51.6
06:22 PM - 07:22 PM	81.8	27.0	45.0	58.0	69.2	75.2	75.2	75.0	74.3	71.3	65.3	51.6
07:22 PM - 08:22 PM	81.6	26.8	44.8	57.8	69.0	75.0	75.0	74.8	74.1	71.1	65.1	51.4
08:22 PM - 09:22 PM	81.1	26.4	44.1	57.2	68.2	74.4	74.9	74.4	73.4	70.7	64.4	50.5
Average	81.8	27.0	44.9	58.2	69.1	75.3	75.5	75.0	74.1	71.3	65.2	51.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661175-1

Page 1 of 1

Sample Number 2346219-2
Parameter Octave band (12 hrs.)
Location Degassing Hopper
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:07 AM - 10:07 AM	84.4	22.5	40.9	59.7	69.6	74.6	78.0	79.1	78.0	73.5	65.7	53.1
10:07 AM - 11:07 AM	83.5	22.0	41.3	59.6	67.7	72.5	78.3	77.5	77.3	72.9	64.6	50.1
11:07 AM - 12:07 PM	80.0	17.1	40.3	59.5	63.4	68.3	73.7	73.7	74.7	70.4	63.2	49.1
12:07 PM - 01:07 PM	79.0	17.0	40.1	59.9	63.3	68.3	74.0	73.5	70.8	68.3	63.7	50.4
01:07 PM - 02:07 PM	79.8	16.8	40.2	60.9	66.1	68.3	74.1	73.5	73.4	70.0	64.1	50.2
02:07 PM - 03:07 PM	79.9	17.4	40.6	60.9	63.8	68.2	74.9	74.9	72.0	68.4	62.9	49.6
03:07 PM - 04:07 PM	82.4	17.7	40.3	60.7	66.4	70.5	77.8	76.8	75.0	70.7	63.8	49.9
04:07 PM - 05:07 PM	82.4	22.5	40.7	60.0	68.2	69.8	75.9	76.6	76.6	72.9	67.1	55.2
05:07 PM - 06:07 PM	82.1	22.0	39.6	58.9	67.8	67.7	74.2	76.8	77.3	72.6	65.2	51.6
06:07 PM - 07:07 PM	82.4	19.7	40.1	58.0	67.6	67.9	74.9	76.5	77.6	73.4	66.4	53.3
07:07 PM - 08:07 PM	82.3	22.2	39.8	59.1	68.0	67.9	74.4	77.0	77.5	72.8	65.4	51.8
08:07 PM - 09:07 PM	82.2	17.5	40.1	60.5	66.2	70.3	77.6	76.6	74.8	70.5	63.6	49.7
Average	82.0	20.2	40.4	59.9	66.9	70.1	76.0	76.4	75.9	71.7	64.8	51.6

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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.



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661176-1

Page 1 of 1

Sample Number 2346219-3
Parameter Octave band (12 hrs.)
Location Recycle Gas Cooler
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:08 AM - 10:08 AM	73.8	22.5	38.5	52.8	60.2	65.9	66.0	66.1	67.3	65.8	62.0	49.9
10:08 AM - 11:08 AM	72.9	22.6	38.6	52.7	60.1	65.6	65.7	65.4	65.9	64.0	60.1	44.9
11:08 AM - 12:08 PM	72.4	22.1	38.8	52.8	60.1	65.7	65.5	64.6	65.1	63.2	59.3	44.3
12:08 PM - 01:08 PM	71.8	21.9	38.1	52.1	59.9	64.5	64.5	64.0	64.8	63.1	59.1	44.1
01:08 PM - 02:08 PM	71.7	21.3	37.8	51.7	60.0	64.3	64.4	63.9	64.7	63.1	58.9	44.5
02:08 PM - 03:08 PM	72.4	21.7	38.7	52.2	60.1	65.4	65.4	64.7	65.4	63.4	58.8	44.4
03:08 PM - 04:08 PM	72.3	21.9	38.5	51.9	59.9	65.7	65.2	64.5	65.1	63.2	58.9	44.1
04:08 PM - 05:08 PM	72.7	22.4	38.9	52.3	60.5	66.4	65.4	64.7	65.3	63.3	59.3	44.3
05:08 PM - 06:08 PM	72.8	22.7	39.2	52.5	60.8	66.5	65.7	64.9	65.5	63.1	59.3	44.4
06:08 PM - 07:08 PM	73.0	23.0	39.3	52.7	61.1	66.4	65.9	65.1	65.6	63.8	59.3	44.6
07:08 PM - 08:08 PM	73.2	23.2	39.5	52.9	61.3	66.6	66.1	65.3	65.8	64.0	59.5	44.8
08:08 PM - 09:08 PM	73.2	22.8	39.4	52.8	60.8	66.6	66.1	65.4	66.0	64.1	59.8	45.0
Average	72.7	22.4	38.8	52.5	60.4	65.9	65.5	64.9	65.6	63.7	59.6	45.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661177-1

Page 1 of 1

Sample Number 2346219-4
Parameter Octave band (12 hrs.)
Location CCR
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:00 AM - 10:00 AM	62.9	15.1	27.9	31.7	41.8	47.9	56.0	58.1	58.7	48.1	37.5	49.9
10:00 AM - 11:00 AM	64.5	15.2	27.9	31.2	42.3	50.8	59.1	60.1	58.9	49.4	40.7	28.7
11:00 AM - 12:00 PM	72.9	15.1	27.9	31.6	41.5	48.5	66.7	70.6	64.6	54.7	41.4	26.8
12:00 PM - 01:00 PM	56.8	15.2	27.8	31.1	40.6	44.8	51.0	53.0	49.6	43.6	31.5	18.0
01:00 PM - 02:00 PM	63.0	15.4	27.7	31.7	41.9	48.1	57.9	59.5	55.1	50.3	40.5	26.5
02:00 PM - 03:00 PM	60.9	15.1	27.7	31.7	41.3	47.5	55.0	56.7	54.9	47.8	36.6	24.4
03:00 PM - 04:00 PM	60.9	15.2	27.5	31.7	41.8	47.2	54.4	57.1	54.8	48.1	38.7	25.7
04:00 PM - 05:00 PM	62.1	16.3	27.6	31.9	42.5	48.3	56.8	58.1	55.2	48.6	40.3	28.0
05:00 PM - 06:00 PM	64.5	15.6	27.7	32.0	42.0	49.8	59.1	61.0	57.6	49.3	38.2	26.5
06:00 PM - 07:00 PM	64.0	15.7	27.8	31.6	42.4	49.2	59.0	59.8	57.3	49.5	38.4	25.8
07:00 PM - 08:00 PM	63.4	15.1	27.2	31.0	41.8	48.6	58.4	59.2	56.7	48.9	37.8	25.2
08:00 PM - 09:00 PM	63.6	14.7	26.8	31.1	41.1	48.9	58.2	60.1	56.7	48.4	37.3	25.6
Average	65.3	15.3	27.6	31.5	41.8	48.5	59.5	62.2	58.1	49.6	38.8	39.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661178-1

Page 1 of 1

Sample Number 2346219-5
Parameter Octave band (12 hrs.)
Location Bagging Area
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:43 AM - 09:43 AM	77.3	21.0	39.1	53.7	61.3	64.7	68.9	69.1	70.8	71.9	67.3	57.0
09:43 AM - 10:43 AM	76.0	19.0	38.5	52.6	61.3	63.4	66.2	67.7	69.5	70.7	67.1	56.5
10:43 AM - 11:43 AM	76.4	18.3	38.3	52.0	61.3	63.0	66.2	70.6	69.8	70.1	66.2	56.0
11:43 AM - 12:43 PM	77.3	16.8	38.5	53.1	60.9	63.3	66.1	68.7	71.0	72.7	68.6	57.2
12:43 PM - 01:43 PM	77.2	21.1	38.7	53.4	61.3	64.1	67.2	69.6	70.8	71.9	68.2	57.7
01:43 PM - 02:43 PM	80.0	18.8	39.2	54.0	62.0	65.6	70.0	72.8	74.4	74.3	70.0	59.6
02:43 PM - 03:43 PM	79.9	20.1	39.6	54.1	61.8	65.7	70.3	72.7	74.2	74.1	69.8	59.4
03:43 PM - 04:43 PM	79.1	20.3	39.7	53.7	61.7	65.2	69.1	71.7	73.3	73.4	69.3	58.8
04:43 PM - 05:43 PM	80.0	18.8	38.6	53.6	61.8	65.8	70.3	73.1	74.5	73.9	69.5	59.5
05:43 PM - 06:43 PM	79.3	20.5	39.9	53.9	61.9	65.4	69.3	71.9	73.5	73.6	69.5	59.0
06:43 PM - 07:43 PM	80.2	20.4	39.9	54.4	62.1	66.0	70.6	73.0	74.5	74.4	70.1	59.7
07:43 PM - 08:43 PM	80.2	19.0	39.4	54.2	62.2	65.8	70.2	73.0	74.6	74.5	70.2	59.8
Average	78.8	19.7	39.2	53.6	61.7	65.0	69.0	71.5	73.0	73.2	69.0	58.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661179-1

Page 1 of 1

Sample Number 2346219-6
Parameter Octave band (12 hrs.)
Location Storage Area
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:28 AM - 09:28 AM	77.6	23.0	39.0	51.5	60.9	73.0	69.3	69.2	70.4	68.2	62.5	47.4
09:28 AM - 10:28 AM	77.3	23.1	39.1	51.6	60.9	72.4	69.0	68.8	70.5	68.1	62.2	44.9
10:28 AM - 11:28 AM	77.4	22.6	39.2	51.8	61.1	72.7	69.2	68.6	70.4	68.0	61.8	44.8
11:28 AM - 12:28 PM	77.0	22.6	38.9	51.9	61.1	72.0	68.9	68.4	70.3	68.0	61.7	44.8
12:28 PM - 01:28 PM	77.1	22.4	38.8	51.8	60.9	72.1	68.9	68.5	70.3	68.1	61.7	45.0
01:28 PM - 02:28 PM	77.4	22.4	39.1	52.0	60.9	72.5	69.2	68.8	70.5	68.2	61.6	45.1
02:28 PM - 03:28 PM	77.4	22.5	38.6	52.1	60.8	72.7	69.2	68.7	70.5	68.2	61.7	45.0
03:28 PM - 04:28 PM	77.3	22.8	38.8	51.9	60.5	72.7	69.1	68.8	70.2	67.8	61.8	44.7
04:28 PM - 05:28 PM	77.5	22.6	38.9	52.1	60.7	73.2	69.3	68.9	70.1	67.7	61.6	44.6
05:28 PM - 06:28 PM	77.8	22.6	38.9	52.4	61.0	73.6	69.7	69.0	70.4	68.2	61.7	44.8
06:28 PM - 07:28 PM	77.5	22.3	38.6	52.1	60.7	73.3	69.4	68.7	70.1	67.9	61.4	44.5
07:28 PM - 08:28 PM	77.6	23.1	39.1	52.2	60.8	73.0	69.4	69.1	70.5	68.1	62.1	45.0
Average	77.4	22.7	38.9	52.0	60.9	72.8	69.2	68.8	70.4	68.0	61.8	45.1

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2346219

Date Received : May 18, 2023

Date Reported : May 24, 2023

Report Number : 2661180-1

Page 1 of 1

Sample Number 2346219-7
Parameter Octave band (12 hrs.)
Location กึ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date May 17, 2023
Measurement By Sitpawit Suwannarat

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
09:29 AM - 10:29 AM	81.4	24.3	39.5	56.3	64.0	69.7	68.7	69.1	72.2	77.1	76.0	65.3
10:29 AM - 11:29 AM	81.3	23.9	39.1	56.0	64.0	69.6	68.1	68.7	72.2	77.0	75.8	65.2
11:29 AM - 12:29 PM	81.2	23.8	38.8	55.8	63.8	68.9	67.9	68.8	72.3	76.9	75.8	65.1
12:29 PM - 01:29 PM	81.1	23.8	38.6	54.9	64.0	69.1	67.7	68.6	71.4	76.9	75.8	65.1
01:29 PM - 02:29 PM	80.8	23.5	38.8	55.7	63.7	69.2	67.5	68.5	70.6	76.7	75.6	64.9
02:29 PM - 03:29 PM	80.8	23.6	38.9	56.0	63.4	68.8	67.7	68.8	70.6	76.6	75.5	64.8
03:29 PM - 04:29 PM	80.8	24.0	38.9	56.6	63.2	68.8	67.9	68.7	70.4	76.6	75.5	64.7
04:29 PM - 05:29 PM	80.9	24.3	38.7	56.1	63.1	68.6	68.2	69.2	71.1	76.7	75.6	64.9
05:29 PM - 06:29 PM	81.3	23.9	39.0	54.6	63.8	68.8	68.2	69.4	72.1	77.0	75.9	65.2
06:29 PM - 07:29 PM	81.1	23.7	38.8	54.4	63.6	68.6	68.0	69.2	71.9	76.8	75.7	65.0
07:29 PM - 08:29 PM	81.0	23.8	39.1	56.2	63.6	69.0	67.9	69.0	70.8	76.8	75.7	65.0
08:29 PM - 09:29 PM	80.9	23.6	38.4	54.7	63.8	68.9	67.5	68.4	71.2	76.7	75.6	64.9
Average	81.1	23.9	38.9	55.7	63.7	69.0	68.0	68.9	71.5	76.8	75.7	65.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2313401

Date Received : Feb 14, 2023

Date Reported : Feb 16, 2023

Report Number : 2559575-1

Page 1 of 2

Sample Number 2313401-1
Sampled Date Feb 13, 2023
Sample Description Noise Dose
Location พนักงาน Operator ของ LDPE 1 คน
Personal Sampling คุณวุฒิชัย ไชยสิทธิ์
Date Analysis Commenced Feb 15, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	-	33.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	31.6	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	78.2	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	80.0	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

- MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Sampled By : Natthapon Jiengwareewong

Remark :

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

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-23-11
Project Name : Environmental Monitoring
Project Location : LDPE

Lot ID: 2346218

Date Received : May 18, 2023

Date Reported : May 22, 2023

Report Number : 2632440-1

Page 1 of 2

Sample Number 2346218-1
Sampled Date May 17, 2023
Sample Description Noise Dose
Location พนักงาน Operator ของ LDPE 1 คน
Personal Sampling คุณณัฐวุฒิ แสงน้อย
Date Analysis Commenced May 22, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	-	28.8	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	27.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	77.6	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	79.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)
* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

Sampled By : Supot Salamteh

Remark :

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

Approved by

Wichan Choonharat
Assistant Manager

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