

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125744

Date Received : Nov 09, 2022

Date Reported : Nov 21, 2022

Report Number: 2462277-1

Page 1 of 1

Sample Number 22125744-1
Sampled Date Nov 09, 2022
Sample Description Emission from Stationary Source
Location Weigh Hopper (TK-229 A/B/C/D)
Date Analysis Commenced Nov 11, 2022
Condition of Sample Drawn into one 10-L air sampling bag

Stack Description

Ambient Pressure	759	mmHg	Diameter	0.70	m	Oxygen	20.9	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	37.9	°C	Gas Velocity	17.8	m/s
Type of Fuel	-		Moisture	4.62	%	Flow Rate (Actual O2)	22475	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	10:40 AM - 10:50 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok
Propane	10:40 AM - 10:50 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok

Sampled By : Thitipong Buadaeng

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: 22125747

Date Received : Nov 09, 2022

Date Reported : Nov 21, 2022

Report Number: 2462281-1

Page 1 of 1

Sample Number 22125747-1
Sampled Date Nov 09, 2022
Sample Description Emission from Stationary Source
Location Degassing Hopper(TK-234A/B/C/D)
Date Analysis Commenced Nov 11, 2022
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	30.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	36.9	°C	Gas Velocity	2.2	m/s
Type of Fuel	-		Moisture	3.98	%	Flow Rate (Actual O2)	4680	Nm3/hr

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

Sampled By : Thitipong Buadaeng

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

Page 1 of 14

Sample Number 22125494-1
Sampled Date Nov 09, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้ (GPS 47P 0729823, 1403307)
Date Analysis Commenced Nov 21, 2022
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	09/11/22 - 10/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	09/11/22 - 10/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-2
Sampled Date Nov 10, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้ (GPS 47P 0729823, 1403307)
Date Analysis Commenced Nov 21, 2022
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	10/11/22 - 11/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	10/11/22 - 11/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

Remark :

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Analysis / Test Report

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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-3
Sampled Date Nov 11, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้ (GPS 47P 0729823, 1403307)
Date Analysis Commenced Nov 21, 2022
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	11/11/22 - 12/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	11/11/22 - 12/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-4
Sampled Date Nov 12, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้ (GPS 47P 0729823, 1403307)
Date Analysis Commenced Nov 21, 2022
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	12/11/22 - 13/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	12/11/22 - 13/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-5
Sampled Date Nov 13, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้ (GPS 47P 0729823, 1403307)
Date Analysis Commenced Nov 21, 2022
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	13/11/22 - 14/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	13/11/22 - 14/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

Remark :

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Analysis / Test Report

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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-6
Sampled Date Nov 14, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้ (GPS 47P 0729823, 1403307)
Date Analysis Commenced Nov 21, 2022
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	14/11/22 - 15/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	14/11/22 - 15/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

Remark :

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Analysis / Test Report

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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-7
Sampled Date Nov 15, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้ (GPS 47P 0729823, 1403307)
Date Analysis Commenced Nov 21, 2022
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	15/11/22 - 16/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	15/11/22 - 16/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-8
Sampled Date Nov 09, 2022
Sample Description Air Quality
Location บ้านบางชลูด ทิศทางลมเหนือ-ใต้ (GPS 47P 0730816, 1407376)
Date Analysis Commenced Nov 21, 2022
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	09/11/22 - 10/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	09/11/22 - 10/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-9
Sampled Date Nov 10, 2022
Sample Description Air Quality
Location บ้านมาบชลด ทิศทางลมเหนือ-ใต้ (GPS 47P 0730816, 1407376)
Date Analysis Commenced Nov 21, 2022
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	10/11/22 - 11/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	10/11/22 - 11/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

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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: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-10
Sampled Date Nov 11, 2022
Sample Description Air Quality
Location บ้านมาบชลด ทิศทางลมเหนือ-ใต้ (GPS 47P 0730816, 1407376)
Date Analysis Commenced Nov 21, 2022
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	11/11/22 - 12/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	11/11/22 - 12/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

Remark :

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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

Page 11 of 14

Sample Number 22125494-11
Sampled Date Nov 12, 2022
Sample Description Air Quality
Location บ้านบางชลูด ทิศทางลมเหนือ-ใต้ (GPS 47P 0730816, 1407376)
Date Analysis Commenced Nov 21, 2022
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	12/11/22 - 13/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	12/11/22 - 13/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

Remark :

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P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

Page 12 of 14

Sample Number 22125494-12
Sampled Date Nov 13, 2022
Sample Description Air Quality
Location บ้านบางชลูด ทิศทางลมเหนือ-ใต้ (GPS 47P 0730816, 1407376)
Date Analysis Commenced Nov 21, 2022
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	13/11/22 - 14/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	13/11/22 - 14/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

Remark :

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Analysis / Test Report

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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-13
Sampled Date Nov 14, 2022
Sample Description Air Quality
Location บ้านมาบชลด ทิศทางลมเหนือ-ใต้ (GPS 47P 0730816, 1407376)
Date Analysis Commenced Nov 21, 2022
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	14/11/22 - 15/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	14/11/22 - 15/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

Remark :

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P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125494

Date Received : Nov 18, 2022

Date Reported : Dec 01, 2022

Report Number : 2461616-1

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Sample Number 22125494-14
Sampled Date Nov 15, 2022
Sample Description Air Quality
Location บ้านมาบชลด ทิศทางลมเหนือ-ใต้ (GPS 47P 0730816, 1407376)
Date Analysis Commenced Nov 21, 2022
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	15/11/22 - 16/11/22	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	15/11/22 - 16/11/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Satcha Phetsawaeng

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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

Lot ID : 22125501

Date Received : Nov 18, 2022

Date Reported : Nov 25, 2022

Report Number : 2461632-1

P/O :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 2

Sample Number : 22125501-1 to 7
Parameter : Wind Speed / Wind Direction
Location : บ้านมาบขลุ่ย ทิศทางลมเหนือ-ใต้ (GPS 47P 0730816, 1407376)
Sampling Date : Nov 09 - Nov 16, 2022
Sampling by : Satcha Phetsawaeng

Time	Nov 09 - Nov 10, 2022			Nov 10 - Nov 11, 2022			Nov 11 - Nov 12, 2022			Nov 12 - Nov 13, 2022			Nov 13 - Nov 14, 2022			Nov 14 - Nov 15, 2022			Nov 15 - Nov 16, 2022		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	2.1	52.0	NE	1.2	47.0	NE	1.2	67.0	ENE	1.6	344.0	NNW	2.3	25.0	NNE	3.4	152.0	SSE	2.2	46.0	NE
12:00 PM - 01:00 PM	2.2	43.0	NE	1.4	29.0	NNE	1.2	25.0	NNE	2.4	34.0	NE	2.2	32.0	NNE	1.3	151.0	SSE	2.0	236.0	SW
01:00 PM - 02:00 PM	2.8	47.0	NE	3.9	145.0	SE	1.3	53.0	NE	1.2	156.0	SSE	2.3	44.0	NE	1.5	241.0	WSW	3.8	136.0	SE
02:00 PM - 03:00 PM	2.8	5.0	N	3.5	202.0	SSW	3.8	182.0	S	3.5	274.0	W	2.7	30.0	NNE	1.6	240.0	WSW	2.3	244.0	WSW
03:00 PM - 04:00 PM	1.7	35.0	NE	3.9	240.0	WSW	3.1	260.0	W	1.3	308.0	NW	1.9	31.0	NNE	1.5	245.0	WSW	1.2	257.0	WSW
04:00 PM - 05:00 PM	2.2	279.0	W	1.2	268.0	W	1.2	308.0	NW	1.3	274.0	W	1.6	332.0	NNW	1.4	252.0	WSW	1.3	274.0	W
05:00 PM - 06:00 PM	0.4	295.0	WNW	2.6	285.0	WNW	2.7	310.0	NW	2.6	336.0	NNW	2.6	49.0	NE	2.6	321.0	NW	3.2	289.0	WNW
06:00 PM - 07:00 PM	1.1	296.0	WNW	0.9	305.0	NW	1.4	290.0	WNW	1.1	330.0	NNW	1.7	27.0	NNE	1.5	66.0	ENE	3.0	289.0	WNW
07:00 PM - 08:00 PM	1.2	19.0	NNE	0.3	320.0	NW	1.2	290.0	WNW	1.7	35.0	NE	1.6	27.0	NNE	2.8	35.0	NE	2.2	327.0	NNW
08:00 PM - 09:00 PM	1.2	19.0	NNE	1.3	320.0	NW	1.3	290.0	WNW	2.4	38.0	NE	1.5	28.0	NNE	1.3	298.0	WNW	1.2	188.0	S
09:00 PM - 10:00 PM	1.3	19.0	NNE	1.2	26.0	NNE	1.2	290.0	WNW	1.2	38.0	NE	1.4	28.0	NNE	0.8	25.0	NNE	1.6	172.0	S
10:00 PM - 11:00 PM	1.2	19.0	NNE	1.6	25.0	NNE	1.2	324.0	NW	0.9	41.0	NE	0.7	34.0	NE	1.0	36.0	NE	2.3	169.0	S
11:00 PM - 12:00 AM	0.5	19.0	NNE	1.4	26.0	NNE	0.3	34.0	NE	1.6	42.0	NE	1.0	24.0	NNE	0.9	36.0	NE	2.5	167.0	SSE
12:00 AM - 01:00 AM	0.6	19.0	NNE	1.5	25.0	NNE	1.2	34.0	NE	0.7	42.0	NE	2.9	21.0	NNE	1.3	36.0	NE	1.6	167.0	SSE
01:00 AM - 02:00 AM	0.4	19.0	NNE	1.3	26.0	NNE	0.3	34.0	NE	1.5	42.0	NE	3.3	35.0	NE	1.2	44.0	NE	1.4	167.0	SSE
02:00 AM - 03:00 AM	0.4	31.0	NNE	1.9	36.0	NE	0.2	-	-	1.4	42.0	NE	2.8	31.0	NNE	0.6	53.0	NE	1.5	166.0	SSE
03:00 AM - 04:00 AM	2.5	29.0	NNE	2.7	32.0	NNE	0.7	34.0	NE	1.6	42.0	NE	3.2	35.0	NE	0.3	48.0	NE	1.5	167.0	SSE
04:00 AM - 05:00 AM	2.4	34.0	NE	1.2	32.0	NNE	0.5	34.0	NE	1.3	36.0	NE	2.3	52.0	NE	0.1	-	-	0.9	30.0	NNE
05:00 AM - 06:00 AM	1.6	39.0	NE	1.2	32.0	NNE	0.3	34.0	NE	0.6	36.0	NE	2.1	41.0	NE	1.2	42.0	NE	1.1	34.0	NE
06:00 AM - 07:00 AM	2.6	29.0	NNE	2.8	18.0	NNE	0.6	34.0	NE	0.9	24.0	NNE	1.6	31.0	NNE	0.8	45.0	NE	0.7	34.0	NE
07:00 AM - 08:00 AM	1.3	36.0	NE	3.0	16.0	NNE	1.4	35.0	NE	0.6	41.0	NE	1.9	36.0	NE	0.3	46.0	NE	0.4	44.0	NE
08:00 AM - 09:00 AM	1.6	45.0	NE	1.2	31.0	NNE	3.1	53.0	NE	0.6	38.0	NE	1.9	32.0	NNE	1.9	30.0	NNE	1.7	50.0	NE
09:00 AM - 10:00 AM	2.1	36.0	NE	1.2	25.0	NNE	1.3	9.0	N	1.7	72.0	ENE	1.8	50.0	NE	2.1	40.0	NE	2.4	46.0	NE
10:00 AM - 11:00 AM	1.3	33.0	NNE	1.3	51.0	NE	1.5	10.0	N	3.9	55.0	NE	2.3	43.0	NE	2.7	87.0	E	2.2	72.0	ENE

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID : 22125501

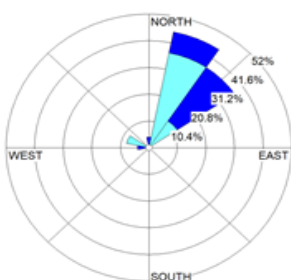
Date Received : Nov 18, 2022

Date Reported : Nov 25, 2022

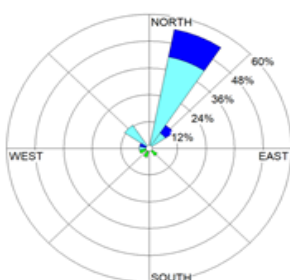
Report Number : 2461632-1

Page 2 of 2

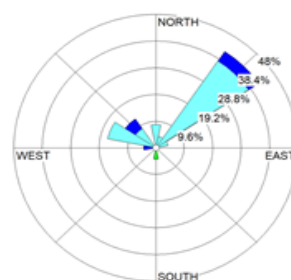
Wind Rose



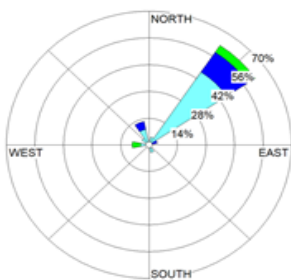
Date : Nov 09-10, 2022



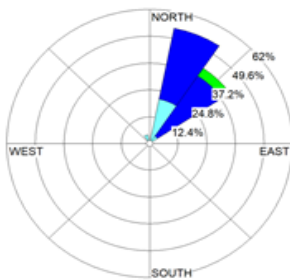
Date : Nov 10-11, 2022



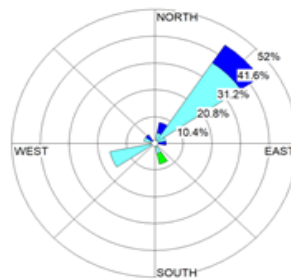
Date : Nov 11-12, 2022



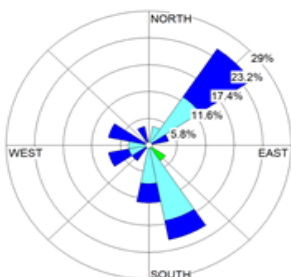
Date : Nov 12-13, 2022



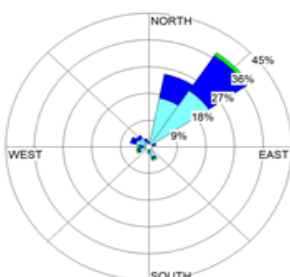
Date : Nov 13-14, 2022



Date : Nov 14-15, 2022



Date : Nov 15-16, 2022



Date : Nov 09-16, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	5.36
1.7-3.3	32.74
0.3-1.7	60.71
Calms	1.19

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Approved by

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

Lot ID : 22125289

Date Received : Nov 18, 2022

Date Reported : Nov 25, 2022

Report Number : 2461207-1

P/O :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 2

Sample Number : 22125289-15 to 21
Parameter : Wind Speed / Wind Direction
Location : โรงเรียนบ้านหนองแฟบ (GPS 47P 0729823, 1403307)
Sampling Date : Nov 09 - Nov 16, 2022
Sampling by : Satcha Phetsawaeng

Time	Nov 09 - Nov 10, 2022			Nov 10 - Nov 11, 2022			Nov 11 - Nov 12, 2022			Nov 12 - Nov 13, 2022			Nov 13 - Nov 14, 2022			Nov 14 - Nov 15, 2022			Nov 15 - Nov 16, 2022		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
10:00 AM - 11:00 AM	1.2	10.0	N	0.9	14.0	NNE	0.9	21.0	NNE	0.9	20.0	NNE	0.6	13.0	NNE	1.6	218.0	SW	0.5	50.0	NE
11:00 AM - 12:00 PM	0.5	306.0	NW	1.2	343.0	NNW	1.8	346.0	NNW	1.4	5.0	N	1.6	359.0	N	1.6	157.0	SSE	1.6	118.0	ESE
12:00 PM - 01:00 PM	0.7	63.0	ENE	1.4	118.0	ESE	2.8	354.0	N	1.1	59.0	ENE	2.0	14.0	NNE	1.8	259.0	W	2.1	104.0	ESE
01:00 PM - 02:00 PM	1.7	340.0	NNW	0.9	155.0	SSE	1.6	305.0	NW	1.5	174.0	S	1.6	20.0	NNE	2.2	154.0	SSE	1.3	185.0	S
02:00 PM - 03:00 PM	0.9	309.0	NW	1.0	159.0	SSE	2.3	117.0	ESE	2.9	175.0	S	1.3	302.0	WNW	1.3	243.0	WSW	1.6	225.0	SW
03:00 PM - 04:00 PM	0.5	194.0	SSW	3.0	171.0	S	2.8	187.0	S	2.4	253.0	WSW	1.4	292.0	WNW	1.1	225.0	SW	0.9	151.0	SSE
04:00 PM - 05:00 PM	1.6	178.0	S	2.9	174.0	S	1.6	226.0	SW	0.6	260.0	W	0.7	242.0	WSW	1.8	357.0	N	3.0	203.0	SSW
05:00 PM - 06:00 PM	1.9	180.0	S	2.1	199.0	SSW	1.8	202.0	SSW	0.7	272.0	W	0.4	148.0	SSE	1.1	256.0	WSW	2.0	222.0	SW
06:00 PM - 07:00 PM	1.0	180.0	S	1.3	202.0	SSW	1.4	201.0	SSW	0.6	287.0	WNW	0.3	283.0	WNW	1.6	358.0	N	2.4	228.0	SW
07:00 PM - 08:00 PM	1.4	174.0	S	0.8	201.0	SSW	0.2	-	-	2.3	351.0	N	0.9	11.0	N	1.0	297.0	WNW	1.9	234.0	SW
08:00 PM - 09:00 PM	1.8	171.0	S	1.7	258.0	WSW	0.3	203.0	SSW	0.8	26.0	NNE	0.2	-	-	1.0	294.0	WNW	0.7	233.0	SW
09:00 PM - 10:00 PM	1.9	333.0	NNW	1.4	257.0	WSW	1.2	203.0	SSW	1.6	28.0	NNE	1.9	285.0	WNW	0.7	295.0	WNW	0.1	-	-
10:00 PM - 11:00 PM	1.6	255.0	WSW	1.2	256.0	WSW	1.3	202.0	SSW	0.5	27.0	NNE	0.3	26.0	NNE	0.5	8.0	N	0.3	235.0	SW
11:00 PM - 12:00 AM	1.5	188.0	S	1.6	256.0	WSW	0.6	202.0	SSW	0.1	-	-	0.3	174.0	S	1.6	12.0	NNE	0.3	235.0	SW
12:00 AM - 01:00 AM	1.6	261.0	W	1.4	257.0	WSW	0.5	202.0	SSW	0.2	-	-	2.1	17.0	NNE	0.3	253.0	WSW	0.1	-	-
01:00 AM - 02:00 AM	1.4	0.0	N	1.6	51.0	NE	0.6	202.0	SSW	0.8	28.0	NNE	1.6	341.0	NNW	1.0	254.0	WSW	1.2	233.0	SW
02:00 AM - 03:00 AM	1.6	318.0	NW	1.5	80.0	E	1.5	22.0	NNE	0.2	-	-	0.4	32.0	NNE	1.3	289.0	WNW	1.2	233.0	SW
03:00 AM - 04:00 AM	1.5	149.0	SSE	1.6	307.0	NW	1.4	4.0	N	0.1	-	-	1.6	15.0	NNE	0.3	359.0	N	1.3	234.0	SW
04:00 AM - 05:00 AM	1.6	6.0	N	0.3	304.0	NW	1.6	18.0	NNE	0.3	306.0	NW	1.6	15.0	NNE	2.0	13.0	NNE	1.2	233.0	SW
05:00 AM - 06:00 AM	1.5	356.0	N	1.5	24.0	NNE	1.5	28.0	NNE	1.9	308.0	NW	0.3	358.0	N	1.3	69.0	ENE	0.2	-	-
06:00 AM - 07:00 AM	0.5	51.0	NE	1.6	16.0	NNE	1.5	356.0	N	0.5	310.0	NW	2.1	20.0	NNE	1.2	10.0	N	0.5	248.0	WSW
07:00 AM - 08:00 AM	1.9	17.0	NNE	0.7	60.0	ENE	0.3	342.0	NNW	0.4	309.0	NW	1.0	300.0	WNW	2.3	58.0	ENE	1.2	277.0	W
08:00 AM - 09:00 AM	2.1	359.0	N	2.4	35.0	NE	0.5	341.0	NNW	2.1	357.0	N	2.9	359.0	N	2.6	19.0	NNE	1.3	31.0	NNE
09:00 AM - 10:00 AM	2.1	7.0	N	3.2	359.0	N	1.6	274.0	W	1.4	52.0	NE	1.6	132.0	SE	3.5	28.0	NNE	1.6	55.0	NE

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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID : 22125289

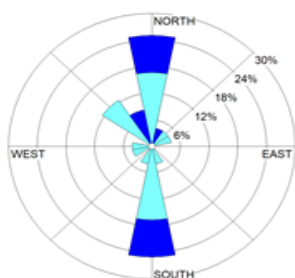
Date Received : Nov 18, 2022

Date Reported : Nov 25, 2022

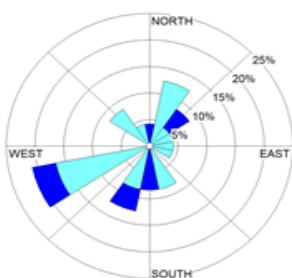
Report Number : 2461207-1

Page 2 of 2

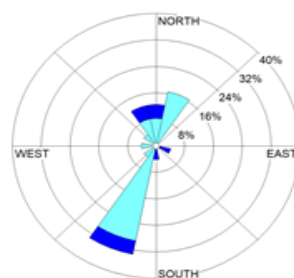
Wind Rose



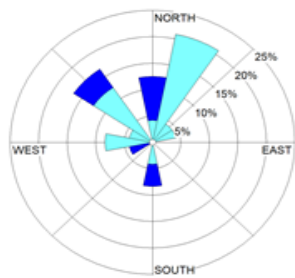
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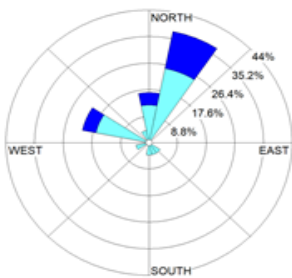
Date : Nov 10-11, 2022



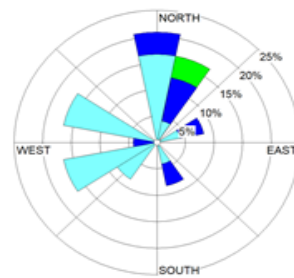
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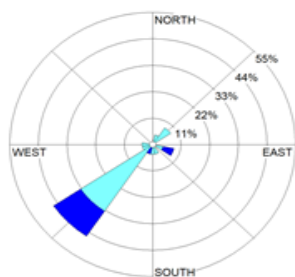
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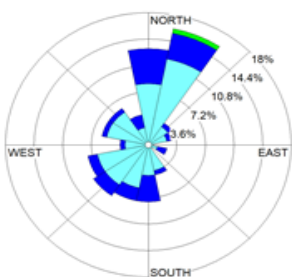
Date : Nov 13-14, 2022



Date : Nov 14-15, 2022



Date : Nov 15-16, 2022



Date : Nov 09-16, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.60
1.7-3.3	23.21
0.3-1.7	70.83
Calms	5.36

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Approved by

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: 2273644

Date Received : Jul 08, 2022
Date Reported : Aug 10, 2022
Report Number : 2344850-1 C1

Page 1 of 1

Sample Number	2273644-1						
Sampling Date	Jul 08, 2022 10:45 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Jul 08, 2022						
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	21	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	9	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	34.1	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	364	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : 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

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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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556



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: 2274519
Date Received : Aug 15, 2022
Date Reported : Sep 08, 2022
Report Number : 2346646-1 C1

Page 1 of 1

Sample Number	2274519-1						
Sampling Date	Aug 15, 2022 10:55 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Aug 15, 2022						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	26	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	33.7	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	552	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Tanasit Wongsachai , Panupong Mani

Remark :

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

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
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: 2274519

Date Received : Aug 15, 2022
Date Reported : Sep 08, 2022
Report Number : 2346646-2 C1

Page 1 of 1

Sample Number	2274519-1						
Sampling Date	Aug 15, 2022 10:55 AM						
Sample Description	Wastewater						
Location	บ่อดูตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Aug 15, 2022						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	303	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
Total Organic Carbon	mg/L	0.01	0.1	11.4	No Standard	Based on APHA (2017), 5310 B	Bangkok

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

Sampling By : Tanasit Wongsachai , Panupong Mani

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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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: 2297003

Date Received : Sep 02, 2022
Date Reported : Oct 06, 2022
Report Number : 2398192-1 C1

Page 1 of 1

Sample Number	2297003-1						
Sampling Date	Sep 02, 2022 11:05 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Sep 02, 2022						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	19	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	9	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	35.1	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	500	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	32	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Pathompong Kornawat , Thanasoun Namakunna

Remark :

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

Technical Management

N. 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: 22108155
Date Received : Oct 07, 2022
Date Reported : Nov 08, 2022
Report Number : 2420912-1 C1

Page 1 of 1

Sample Number	22108155-1						
Sampling Date	Oct 07, 2022 10:12 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Oct 07, 2022						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	30	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	20	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	20	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	34.0	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	540	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Pathompong Kornawat , Panupong Mani

Remark :

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- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

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: 22124971

Date Received : Nov 04, 2022
Date Reported : Nov 15, 2022
Report Number : 2460380-1 C1

Page 1 of 1

Sample Number : 22124971-1
Sampling Date : Nov 04, 2022 10:50 AM
Sample Description : Wastewater
Location : บ่อดูตรวจสอบคุณภาพน้ำ (Check Pond)
Date Analysis Commenced : Nov 04, 2022
Condition of Sample : Drawn into two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property : Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	6	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	25	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	5	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.3	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	31.1	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	604	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Paramet Sattayakun , Panupong Manit

Remark :

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

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
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

Lot ID: 22136464

Date Received : Dec 07, 2022

Date Reported : Jan 12, 2023

Report Number : 2487010-1 C1

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

Page 1 of 2

Sample Number	22136464-1						
Sampling Date	Dec 07, 2022 8:53 AM						
Sample Description	Wastewater						
Location	บ่อดตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Dec 07, 2022						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	<2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	5	31	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	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	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	808	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. 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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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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 22124958

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500392-1

Page 1 of 1

Sample Number 22124958-1
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731763, 1404874)
Measurement Date Nov 09 - Nov 10, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	61.2	86.1	59.7
10:00 AM - 11:00 AM	66.8	87.3	58.9
11:00 AM - 12:00 PM	62.5	76.3	59.9
12:00 PM - 01:00 PM	61.5	81.8	58.4
01:00 PM - 02:00 PM	62.9	86.3	58.2
02:00 PM - 03:00 PM	61.8	84.5	58.1
03:00 PM - 04:00 PM	59.5	79.1	57.6
04:00 PM - 05:00 PM	59.7	72.0	57.8
05:00 PM - 06:00 PM	60.5	79.2	58.6
06:00 PM - 07:00 PM	60.0	77.2	57.9
07:00 PM - 08:00 PM	60.0	81.2	58.4
08:00 PM - 09:00 PM	59.9	80.0	58.2
09:00 PM - 10:00 PM	60.5	74.7	59.3
10:00 PM - 11:00 PM	60.2	75.8	58.8
11:00 PM - 12:00 AM	60.0	74.3	58.7
12:00 AM - 01:00 AM	59.8	79.1	58.4
01:00 AM - 02:00 AM	59.8	80.4	58.7
02:00 AM - 03:00 AM	59.1	79.1	57.5
03:00 AM - 04:00 AM	59.4	74.2	58.4
04:00 AM - 05:00 AM	60.1	72.2	58.7
05:00 AM - 06:00 AM	61.1	72.9	59.8
06:00 AM - 07:00 AM	61.7	80.3	60.1
07:00 AM - 08:00 AM	61.7	78.0	59.6
08:00 AM - 09:00 AM	60.2	84.7	58.5

Leq Average 24 hrs. (dB(A)) 61.2
Lmax (dB(A)) 87.3
L90 (dB(A)) 58.5
Ldn (dB(A)) 66.9
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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 22124958

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500393-1

Page 1 of 1

Sample Number 22124958-2
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731763, 1404874)
Measurement Date Nov 10 - Nov 11, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	60.7	87.1	58.9
10:00 AM - 11:00 AM	60.6	81.3	58.6
11:00 AM - 12:00 PM	59.8	83.5	57.6
12:00 PM - 01:00 PM	59.5	80.5	57.2
01:00 PM - 02:00 PM	60.1	78.7	57.6
02:00 PM - 03:00 PM	59.6	76.7	57.3
03:00 PM - 04:00 PM	59.0	80.7	56.9
04:00 PM - 05:00 PM	59.4	85.1	56.9
05:00 PM - 06:00 PM	59.1	77.9	56.5
06:00 PM - 07:00 PM	58.5	79.2	56.5
07:00 PM - 08:00 PM	58.2	81.7	56.2
08:00 PM - 09:00 PM	58.7	79.7	57.1
09:00 PM - 10:00 PM	58.6	78.2	57.2
10:00 PM - 11:00 PM	57.9	75.3	56.6
11:00 PM - 12:00 AM	57.3	77.5	56.0
12:00 AM - 01:00 AM	57.8	72.8	56.3
01:00 AM - 02:00 AM	58.4	78.9	57.1
02:00 AM - 03:00 AM	57.5	75.1	56.6
03:00 AM - 04:00 AM	57.7	71.8	56.8
04:00 AM - 05:00 AM	59.0	73.4	58.0
05:00 AM - 06:00 AM	59.7	80.1	57.7
06:00 AM - 07:00 AM	60.2	76.1	58.4
07:00 AM - 08:00 AM	60.9	74.5	58.8
08:00 AM - 09:00 AM	60.4	78.6	58.2

Leq Average 24 hrs. (dB(A)) 59.2
Lmax (dB(A)) 87.1
L90 (dB(A)) 57.1
Ldn (dB(A)) 65.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 22124958

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500394-1

Page 1 of 1

Sample Number 22124958-3
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731763, 1404874)
Measurement Date Nov 11 - Nov 12, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	60.4	88.4	57.6
10:00 AM - 11:00 AM	60.3	86.7	57.0
11:00 AM - 12:00 PM	59.3	79.9	56.9
12:00 PM - 01:00 PM	59.4	80.3	56.4
01:00 PM - 02:00 PM	59.3	76.9	56.3
02:00 PM - 03:00 PM	59.1	79.2	56.0
03:00 PM - 04:00 PM	58.8	72.3	56.0
04:00 PM - 05:00 PM	58.2	77.6	55.9
05:00 PM - 06:00 PM	58.2	74.6	55.2
06:00 PM - 07:00 PM	57.5	78.0	54.4
07:00 PM - 08:00 PM	57.9	81.2	54.5
08:00 PM - 09:00 PM	57.2	86.8	54.4
09:00 PM - 10:00 PM	58.2	89.5	55.5
10:00 PM - 11:00 PM	57.1	75.4	55.4
11:00 PM - 12:00 AM	56.4	73.6	55.0
12:00 AM - 01:00 AM	56.7	80.2	55.1
01:00 AM - 02:00 AM	56.2	80.0	54.9
02:00 AM - 03:00 AM	56.2	72.4	55.0
03:00 AM - 04:00 AM	56.6	68.0	55.7
04:00 AM - 05:00 AM	56.4	72.7	55.2
05:00 AM - 06:00 AM	57.7	73.2	55.4
06:00 AM - 07:00 AM	59.3	77.7	56.7
07:00 AM - 08:00 AM	59.1	74.4	56.2
08:00 AM - 09:00 AM	58.4	73.8	56.3

Leq Average 24 hrs. (dB(A)) 58.3
Lmax (dB(A)) 89.5
L90 (dB(A)) 55.5
Ldn (dB(A)) 63.8
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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 22124958

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500395-1

Page 1 of 1

Sample Number 22124958-4
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731763, 1404874)
Measurement Date Nov 12 - Nov 13, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	59.4	74.2	57.9
10:00 AM - 11:00 AM	59.2	70.1	57.8
11:00 AM - 12:00 PM	59.5	78.7	57.7
12:00 PM - 01:00 PM	58.9	73.9	57.2
01:00 PM - 02:00 PM	57.5	73.3	55.2
02:00 PM - 03:00 PM	58.1	72.9	56.2
03:00 PM - 04:00 PM	58.3	74.8	56.5
04:00 PM - 05:00 PM	58.7	73.8	56.9
05:00 PM - 06:00 PM	58.6	76.7	55.8
06:00 PM - 07:00 PM	57.1	70.7	55.3
07:00 PM - 08:00 PM	56.4	70.2	54.9
08:00 PM - 09:00 PM	56.3	70.6	55.2
09:00 PM - 10:00 PM	56.5	70.7	55.5
10:00 PM - 11:00 PM	55.6	68.9	54.5
11:00 PM - 12:00 AM	56.1	69.3	55.2
12:00 AM - 01:00 AM	56.8	80.5	55.7
01:00 AM - 02:00 AM	56.7	75.9	55.5
02:00 AM - 03:00 AM	56.8	79.0	55.2
03:00 AM - 04:00 AM	56.4	72.1	55.1
04:00 AM - 05:00 AM	56.3	69.4	55.1
05:00 AM - 06:00 AM	57.4	82.7	55.2
06:00 AM - 07:00 AM	61.8	93.4	56.6
07:00 AM - 08:00 AM	59.2	80.2	56.0
08:00 AM - 09:00 AM	59.3	90.9	54.9

Leq Average 24 hrs. (dB(A)) 58.1
Lmax (dB(A)) 93.4
L90 (dB(A)) 55.5
Ldn (dB(A)) 64.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 22124958

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500396-1

Page 1 of 1

Sample Number 22124958-5
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731763, 1404874)
Measurement Date Nov 13 - Nov 14, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	57.4	87.7	54.9
10:00 AM - 11:00 AM	57.0	79.8	54.6
11:00 AM - 12:00 PM	58.0	83.6	54.4
12:00 PM - 01:00 PM	58.2	81.4	54.4
01:00 PM - 02:00 PM	56.7	80.4	54.4
02:00 PM - 03:00 PM	56.5	74.1	54.2
03:00 PM - 04:00 PM	56.9	81.2	54.0
04:00 PM - 05:00 PM	59.9	73.5	55.2
05:00 PM - 06:00 PM	58.0	80.9	55.3
06:00 PM - 07:00 PM	57.9	80.3	55.9
07:00 PM - 08:00 PM	58.4	75.8	56.0
08:00 PM - 09:00 PM	58.0	80.7	56.0
09:00 PM - 10:00 PM	57.9	80.2	56.3
10:00 PM - 11:00 PM	57.4	74.3	55.8
11:00 PM - 12:00 AM	58.0	85.7	55.8
12:00 AM - 01:00 AM	57.0	84.9	55.4
01:00 AM - 02:00 AM	56.7	77.9	55.1
02:00 AM - 03:00 AM	56.3	74.0	55.2
03:00 AM - 04:00 AM	56.5	73.9	55.5
04:00 AM - 05:00 AM	56.7	68.8	55.4
05:00 AM - 06:00 AM	58.2	72.8	56.5
06:00 AM - 07:00 AM	59.1	74.0	57.2
07:00 AM - 08:00 AM	59.6	83.1	56.9
08:00 AM - 09:00 AM	58.9	80.9	56.1

Leq Average 24 hrs. (dB(A)) 57.8
Lmax (dB(A)) 87.7
L90 (dB(A)) 55.4
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 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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 22124958

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500397-1

Page 1 of 1

Sample Number 22124958-6
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731763, 1404874)
Measurement Date Nov 14 - Nov 15, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	58.8	80.6	56.3
10:00 AM - 11:00 AM	58.1	74.5	55.4
11:00 AM - 12:00 PM	58.5	77.4	56.0
12:00 PM - 01:00 PM	59.2	82.4	56.6
01:00 PM - 02:00 PM	58.6	76.8	56.0
02:00 PM - 03:00 PM	59.0	80.9	56.5
03:00 PM - 04:00 PM	58.8	77.9	56.2
04:00 PM - 05:00 PM	58.2	78.6	56.0
05:00 PM - 06:00 PM	58.2	78.8	55.3
06:00 PM - 07:00 PM	59.9	74.9	56.7
07:00 PM - 08:00 PM	59.0	78.6	56.1
08:00 PM - 09:00 PM	58.9	82.6	55.5
09:00 PM - 10:00 PM	57.2	77.1	55.1
10:00 PM - 11:00 PM	58.0	78.9	55.0
11:00 PM - 12:00 AM	56.5	80.1	54.3
12:00 AM - 01:00 AM	56.4	83.3	54.5
01:00 AM - 02:00 AM	55.7	78.3	54.3
02:00 AM - 03:00 AM	55.9	80.7	54.9
03:00 AM - 04:00 AM	55.9	72.7	55.1
04:00 AM - 05:00 AM	56.6	78.8	54.9
05:00 AM - 06:00 AM	58.1	75.0	55.9
06:00 AM - 07:00 AM	59.2	72.9	57.0
07:00 AM - 08:00 AM	59.1	81.5	56.2
08:00 AM - 09:00 AM	58.7	75.3	55.8

Leq Average 24 hrs. (dB(A)) 58.2
Lmax (dB(A)) 83.3
L90 (dB(A)) 55.8
Ldn (dB(A)) 63.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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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 :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 22124958

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500398-1

Page 1 of 1

Sample Number 22124958-7
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731763, 1404874)
Measurement Date Nov 15 - Nov 16, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	59.9	81.5	56.1
10:00 AM - 11:00 AM	58.1	75.3	55.2
11:00 AM - 12:00 PM	57.7	76.5	54.9
12:00 PM - 01:00 PM	57.4	71.0	55.0
01:00 PM - 02:00 PM	58.1	75.8	55.5
02:00 PM - 03:00 PM	57.8	73.8	54.9
03:00 PM - 04:00 PM	58.1	84.7	54.5
04:00 PM - 05:00 PM	57.9	71.9	55.3
05:00 PM - 06:00 PM	58.5	74.8	55.9
06:00 PM - 07:00 PM	58.0	78.8	55.2
07:00 PM - 08:00 PM	57.1	73.6	54.4
08:00 PM - 09:00 PM	56.5	78.2	54.3
09:00 PM - 10:00 PM	55.8	71.1	54.1
10:00 PM - 11:00 PM	55.6	71.6	54.2
11:00 PM - 12:00 AM	55.8	72.7	54.0
12:00 AM - 01:00 AM	55.6	70.7	54.3
01:00 AM - 02:00 AM	55.8	72.0	54.5
02:00 AM - 03:00 AM	55.8	69.5	54.8
03:00 AM - 04:00 AM	57.1	83.1	55.1
04:00 AM - 05:00 AM	56.8	78.8	55.3
05:00 AM - 06:00 AM	57.8	69.8	55.7
06:00 AM - 07:00 AM	58.9	75.4	57.0
07:00 AM - 08:00 AM	59.2	75.6	56.2
08:00 AM - 09:00 AM	58.4	76.4	55.8

Leq Average 24 hrs. (dB(A))

57.6

Lmax (dB(A))

84.7

L90 (dB(A))

55.0

Ldn (dB(A))

63.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

2. ประกาศกระทรวงอุตสาหกรรม 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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500422-1

Page 1 of 1

Sample Number 22125498-1
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางวัดด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731932, 1404870)
Measurement Date Nov 09 - Nov 10, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173610

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.0	88.4	64.7
12:00 PM - 01:00 PM	65.3	77.6	63.8
01:00 PM - 02:00 PM	66.3	79.1	65.6
02:00 PM - 03:00 PM	66.0	75.9	64.8
03:00 PM - 04:00 PM	65.4	72.6	65.0
04:00 PM - 05:00 PM	64.9	72.4	64.2
05:00 PM - 06:00 PM	65.8	68.5	65.5
06:00 PM - 07:00 PM	65.0	71.7	64.1
07:00 PM - 08:00 PM	65.9	71.0	65.6
08:00 PM - 09:00 PM	65.5	68.2	64.3
09:00 PM - 10:00 PM	66.9	68.6	66.7
10:00 PM - 11:00 PM	67.1	69.6	65.3
11:00 PM - 12:00 AM	68.4	70.0	68.0
12:00 AM - 01:00 AM	66.8	72.9	64.6
01:00 AM - 02:00 AM	68.2	70.0	67.8
02:00 AM - 03:00 AM	66.6	70.2	64.3
03:00 AM - 04:00 AM	68.0	70.0	64.8
04:00 AM - 05:00 AM	67.1	76.8	64.4
05:00 AM - 06:00 AM	68.5	73.8	68.1
06:00 AM - 07:00 AM	67.4	71.0	64.6
07:00 AM - 08:00 AM	67.8	74.2	64.9
08:00 AM - 09:00 AM	67.1	78.5	64.5
09:00 AM - 10:00 AM	67.9	81.2	65.5
10:00 AM - 11:00 AM	66.5	78.2	65.4

Leq Average 24 hrs. (dB(A)) 66.8
Lmax (dB(A)) 88.4
L90 (dB(A)) 64.8
Ldn (dB(A)) 73.9
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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500423-1

Page 1 of 1

Sample Number 22125498-2
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางวัดด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731932, 1404870)
Measurement Date Nov 10 - Nov 11, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173610

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.6	69.9	65.3
12:00 PM - 01:00 PM	65.3	69.0	64.9
01:00 PM - 02:00 PM	66.3	74.7	65.1
02:00 PM - 03:00 PM	66.8	73.0	66.5
03:00 PM - 04:00 PM	65.0	79.1	64.6
04:00 PM - 05:00 PM	64.9	81.3	64.1
05:00 PM - 06:00 PM	64.1	74.0	63.6
06:00 PM - 07:00 PM	64.5	71.4	64.0
07:00 PM - 08:00 PM	64.3	70.8	63.9
08:00 PM - 09:00 PM	64.4	78.5	63.9
09:00 PM - 10:00 PM	64.3	78.7	63.9
10:00 PM - 11:00 PM	61.6	69.3	60.8
11:00 PM - 12:00 AM	61.1	71.0	60.5
12:00 AM - 01:00 AM	61.2	63.4	60.6
01:00 AM - 02:00 AM	61.7	69.4	60.9
02:00 AM - 03:00 AM	62.4	64.4	61.9
03:00 AM - 04:00 AM	62.5	81.5	62.0
04:00 AM - 05:00 AM	62.6	64.4	62.2
05:00 AM - 06:00 AM	62.0	83.2	60.5
06:00 AM - 07:00 AM	61.2	66.8	60.6
07:00 AM - 08:00 AM	61.4	70.8	60.7
08:00 AM - 09:00 AM	60.7	78.5	59.4
09:00 AM - 10:00 AM	63.6	87.0	60.9
10:00 AM - 11:00 AM	61.6	71.1	60.9

Leq Average 24 hrs. (dB(A)) 63.7
Lmax (dB(A)) 87.0
L90 (dB(A)) 62.0
Ldn (dB(A)) 68.8
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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500424-1

Page 1 of 1

Sample Number 22125498-3
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731932, 1404870)
Measurement Date Nov 11 - Nov 12, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173610

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.5	71.5	60.7
12:00 PM - 01:00 PM	60.3	74.7	58.2
01:00 PM - 02:00 PM	59.3	71.7	58.3
02:00 PM - 03:00 PM	59.8	80.8	58.1
03:00 PM - 04:00 PM	59.2	70.7	58.1
04:00 PM - 05:00 PM	59.1	76.5	57.9
05:00 PM - 06:00 PM	59.2	72.1	58.0
06:00 PM - 07:00 PM	58.9	74.4	57.8
07:00 PM - 08:00 PM	58.8	66.7	57.8
08:00 PM - 09:00 PM	58.9	63.4	58.0
09:00 PM - 10:00 PM	59.3	82.2	58.2
10:00 PM - 11:00 PM	59.0	71.6	58.0
11:00 PM - 12:00 AM	58.9	69.1	58.0
12:00 AM - 01:00 AM	58.9	68.0	58.0
01:00 AM - 02:00 AM	58.7	65.7	57.8
02:00 AM - 03:00 AM	58.7	61.7	57.9
03:00 AM - 04:00 AM	59.1	61.8	58.2
04:00 AM - 05:00 AM	59.2	62.1	58.0
05:00 AM - 06:00 AM	58.9	73.1	57.8
06:00 AM - 07:00 AM	58.9	63.8	58.0
07:00 AM - 08:00 AM	59.5	69.5	58.4
08:00 AM - 09:00 AM	62.2	71.6	58.9
09:00 AM - 10:00 AM	61.7	67.5	60.2
10:00 AM - 11:00 AM	61.8	66.9	61.2

Leq Average 24 hrs. (dB(A)) 59.7
Lmax (dB(A)) 82.2
L90 (dB(A)) 58.0
Ldn (dB(A)) 65.5
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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500425-1

Page 1 of 1

Sample Number 22125498-4
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางวัดด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731932, 1404870)
Measurement Date Nov 12 - Nov 13, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173610

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.7	73.5	61.1
12:00 PM - 01:00 PM	61.6	70.2	61.0
01:00 PM - 02:00 PM	63.4	73.4	58.6
02:00 PM - 03:00 PM	65.7	73.7	61.2
03:00 PM - 04:00 PM	64.1	72.7	63.2
04:00 PM - 05:00 PM	65.9	69.3	64.8
05:00 PM - 06:00 PM	66.6	73.4	64.6
06:00 PM - 07:00 PM	63.2	74.3	62.7
07:00 PM - 08:00 PM	63.4	68.2	62.8
08:00 PM - 09:00 PM	63.5	66.6	62.9
09:00 PM - 10:00 PM	64.2	69.3	63.8
10:00 PM - 11:00 PM	63.8	70.5	63.4
11:00 PM - 12:00 AM	63.8	81.6	63.3
12:00 AM - 01:00 AM	63.7	69.0	63.3
01:00 AM - 02:00 AM	63.6	65.8	63.2
02:00 AM - 03:00 AM	63.6	65.0	63.3
03:00 AM - 04:00 AM	63.8	65.5	63.4
04:00 AM - 05:00 AM	63.9	66.0	63.4
05:00 AM - 06:00 AM	63.7	65.2	63.3
06:00 AM - 07:00 AM	63.8	68.5	63.4
07:00 AM - 08:00 AM	63.9	72.0	63.5
08:00 AM - 09:00 AM	63.2	79.6	62.6
09:00 AM - 10:00 AM	63.4	77.4	62.9
10:00 AM - 11:00 AM	63.6	78.1	63.0

Leq Average 24 hrs. (dB(A)) 63.9
Lmax (dB(A)) 81.6
L90 (dB(A)) 63.2
Ldn (dB(A)) 70.2
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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500426-1

Page 1 of 1

Sample Number 22125498-5
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731932, 1404870)
Measurement Date Nov 13 - Nov 14, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173610

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.7	66.1	63.2
12:00 PM - 01:00 PM	63.5	65.7	63.1
01:00 PM - 02:00 PM	63.6	77.2	63.1
02:00 PM - 03:00 PM	63.4	71.8	62.9
03:00 PM - 04:00 PM	63.8	86.6	63.0
04:00 PM - 05:00 PM	64.1	83.5	63.1
05:00 PM - 06:00 PM	67.0	79.5	64.0
06:00 PM - 07:00 PM	64.1	78.1	63.7
07:00 PM - 08:00 PM	64.2	67.8	63.7
08:00 PM - 09:00 PM	64.0	80.0	63.5
09:00 PM - 10:00 PM	64.3	85.9	63.8
10:00 PM - 11:00 PM	64.4	81.8	63.9
11:00 PM - 12:00 AM	64.1	74.1	63.8
12:00 AM - 01:00 AM	64.3	71.2	63.9
01:00 AM - 02:00 AM	64.1	68.1	63.7
02:00 AM - 03:00 AM	64.0	70.9	63.7
03:00 AM - 04:00 AM	64.1	71.9	63.8
04:00 AM - 05:00 AM	64.1	65.5	63.8
05:00 AM - 06:00 AM	64.0	71.9	63.7
06:00 AM - 07:00 AM	64.1	72.2	63.8
07:00 AM - 08:00 AM	64.2	68.8	63.8
08:00 AM - 09:00 AM	64.1	68.1	63.7
09:00 AM - 10:00 AM	65.0	81.7	63.5
10:00 AM - 11:00 AM	64.0	75.8	63.4

Leq Average 24 hrs. (dB(A))

64.2

Lmax (dB(A))

86.6

L90 (dB(A))

63.7

Ldn (dB(A))

70.6

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500427-1

Page 1 of 1

Sample Number 22125498-6
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางวัดด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731932, 1404870)
Measurement Date Nov 14 - Nov 15, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173610

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.7	68.6	63.2
12:00 PM - 01:00 PM	64.3	68.8	63.6
01:00 PM - 02:00 PM	62.8	73.2	58.8
02:00 PM - 03:00 PM	60.1	77.5	58.5
03:00 PM - 04:00 PM	60.9	72.6	59.9
04:00 PM - 05:00 PM	60.4	64.5	59.5
05:00 PM - 06:00 PM	59.1	71.5	57.9
06:00 PM - 07:00 PM	63.0	75.1	58.4
07:00 PM - 08:00 PM	61.4	73.6	59.4
08:00 PM - 09:00 PM	59.2	83.5	57.8
09:00 PM - 10:00 PM	59.0	65.5	57.4
10:00 PM - 11:00 PM	58.5	68.9	57.3
11:00 PM - 12:00 AM	58.3	72.8	57.1
12:00 AM - 01:00 AM	58.1	68.5	57.1
01:00 AM - 02:00 AM	57.9	63.2	57.2
02:00 AM - 03:00 AM	57.8	76.5	57.3
03:00 AM - 04:00 AM	58.0	63.3	57.6
04:00 AM - 05:00 AM	58.0	61.1	57.5
05:00 AM - 06:00 AM	58.1	64.5	57.6
06:00 AM - 07:00 AM	58.4	64.5	57.8
07:00 AM - 08:00 AM	58.2	64.1	57.6
08:00 AM - 09:00 AM	58.6	79.3	57.8
09:00 AM - 10:00 AM	59.4	70.9	58.1
10:00 AM - 11:00 AM	62.8	72.4	58.3

Leq Average 24 hrs. (dB(A)) 60.4
Lmax (dB(A)) 83.5
L90 (dB(A)) 57.8
Ldn (dB(A)) 65.2
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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500428-1

Page 1 of 1

Sample Number 22125498-7
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731932, 1404870)
Measurement Date Nov 15 - Nov 16, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173610

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.6	70.1	57.9
12:00 PM - 01:00 PM	58.9	70.5	58.0
01:00 PM - 02:00 PM	59.2	69.6	58.1
02:00 PM - 03:00 PM	59.2	70.2	58.1
03:00 PM - 04:00 PM	59.5	78.4	57.9
04:00 PM - 05:00 PM	59.4	69.1	57.9
05:00 PM - 06:00 PM	59.2	70.9	58.2
06:00 PM - 07:00 PM	59.1	68.2	58.1
07:00 PM - 08:00 PM	58.9	66.2	57.8
08:00 PM - 09:00 PM	59.6	70.5	58.1
09:00 PM - 10:00 PM	59.0	71.8	57.9
10:00 PM - 11:00 PM	58.8	69.8	57.9
11:00 PM - 12:00 AM	58.7	76.6	57.8
12:00 AM - 01:00 AM	58.6	62.7	57.8
01:00 AM - 02:00 AM	58.6	62.7	57.6
02:00 AM - 03:00 AM	58.5	66.9	57.7
03:00 AM - 04:00 AM	58.4	65.0	57.6
04:00 AM - 05:00 AM	58.2	61.9	57.5
05:00 AM - 06:00 AM	58.1	61.9	57.5
06:00 AM - 07:00 AM	58.4	64.8	57.7
07:00 AM - 08:00 AM	58.7	69.4	58.0
08:00 AM - 09:00 AM	59.0	66.9	58.3
09:00 AM - 10:00 AM	59.7	77.8	58.5
10:00 AM - 11:00 AM	59.7	70.6	58.2

Leq Average 24 hrs. (dB(A)) 58.9
Lmax (dB(A)) 78.4
L90 (dB(A)) 57.9
Ldn (dB(A)) 65.0
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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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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500429-1

Page 1 of 1

Sample Number 22125498-8
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732108, 1404895)
Measurement Date Nov 09 - Nov 10, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.6	86.1	65.7
12:00 PM - 01:00 PM	66.0	73.1	65.6
01:00 PM - 02:00 PM	66.5	89.4	65.7
02:00 PM - 03:00 PM	65.9	79.3	65.6
03:00 PM - 04:00 PM	66.2	76.4	65.8
04:00 PM - 05:00 PM	66.1	69.4	65.8
05:00 PM - 06:00 PM	66.4	68.8	66.0
06:00 PM - 07:00 PM	66.6	69.6	66.1
07:00 PM - 08:00 PM	66.8	77.6	66.4
08:00 PM - 09:00 PM	66.7	72.6	66.3
09:00 PM - 10:00 PM	66.9	70.5	66.3
10:00 PM - 11:00 PM	66.9	71.5	66.5
11:00 PM - 12:00 AM	67.0	69.8	66.5
12:00 AM - 01:00 AM	67.1	69.8	66.6
01:00 AM - 02:00 AM	67.2	69.8	66.6
02:00 AM - 03:00 AM	67.2	70.0	66.7
03:00 AM - 04:00 AM	67.1	70.0	66.6
04:00 AM - 05:00 AM	67.3	75.6	66.8
05:00 AM - 06:00 AM	67.4	71.3	66.8
06:00 AM - 07:00 AM	67.4	70.7	66.7
07:00 AM - 08:00 AM	67.0	90.3	66.3
08:00 AM - 09:00 AM	66.6	70.5	66.0
09:00 AM - 10:00 AM	66.6	91.6	65.9
10:00 AM - 11:00 AM	66.4	70.3	65.9

Leq Average 24 hrs. (dB(A)) 66.8
Lmax (dB(A)) 91.6
L90 (dB(A)) 66.3
Ldn (dB(A)) 73.5
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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500430-1

Page 1 of 1

Sample Number 22125498-9
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732108, 1404895)
Measurement Date Nov 10 - Nov 11, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.5	68.6	66.1
12:00 PM - 01:00 PM	66.5	81.6	66.0
01:00 PM - 02:00 PM	66.5	82.2	66.1
02:00 PM - 03:00 PM	66.4	90.6	65.7
03:00 PM - 04:00 PM	64.7	72.3	64.2
04:00 PM - 05:00 PM	64.8	72.0	64.3
05:00 PM - 06:00 PM	65.4	95.2	64.4
06:00 PM - 07:00 PM	65.2	67.9	64.7
07:00 PM - 08:00 PM	65.2	71.1	64.7
08:00 PM - 09:00 PM	65.6	71.3	65.2
09:00 PM - 10:00 PM	65.6	69.4	64.8
10:00 PM - 11:00 PM	64.8	73.7	64.4
11:00 PM - 12:00 AM	64.9	67.5	64.4
12:00 AM - 01:00 AM	65.3	69.4	64.6
01:00 AM - 02:00 AM	66.0	72.5	65.1
02:00 AM - 03:00 AM	65.5	71.8	64.9
03:00 AM - 04:00 AM	65.5	68.9	65.0
04:00 AM - 05:00 AM	65.9	72.1	65.3
05:00 AM - 06:00 AM	65.9	69.9	65.3
06:00 AM - 07:00 AM	65.8	79.3	65.2
07:00 AM - 08:00 AM	65.6	72.5	64.9
08:00 AM - 09:00 AM	65.6	90.1	64.6
09:00 AM - 10:00 AM	65.3	92.8	64.5
10:00 AM - 11:00 AM	64.9	75.2	64.2

Leq Average 24 hrs. (dB(A)) 65.6
Lmax (dB(A)) 95.2
L90 (dB(A)) 64.8
Ldn (dB(A)) 72.0
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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500431-1

Page 1 of 1

Sample Number 22125498-10
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732108, 1404895)
Measurement Date Nov 11 - Nov 12, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.7	70.7	63.9
12:00 PM - 01:00 PM	64.3	72.3	63.6
01:00 PM - 02:00 PM	63.8	71.6	63.2
02:00 PM - 03:00 PM	63.3	81.6	62.8
03:00 PM - 04:00 PM	63.4	71.0	62.8
04:00 PM - 05:00 PM	63.6	67.4	63.1
05:00 PM - 06:00 PM	63.8	66.8	63.3
06:00 PM - 07:00 PM	64.1	67.6	63.6
07:00 PM - 08:00 PM	64.2	72.6	63.7
08:00 PM - 09:00 PM	64.3	67.3	63.8
09:00 PM - 10:00 PM	64.4	67.8	64.0
10:00 PM - 11:00 PM	64.5	67.6	64.0
11:00 PM - 12:00 AM	64.7	67.7	64.1
12:00 AM - 01:00 AM	64.7	67.3	64.2
01:00 AM - 02:00 AM	64.6	67.4	64.1
02:00 AM - 03:00 AM	64.6	67.9	64.1
03:00 AM - 04:00 AM	65.9	71.0	64.7
04:00 AM - 05:00 AM	65.0	68.3	64.3
05:00 AM - 06:00 AM	64.8	71.2	64.2
06:00 AM - 07:00 AM	64.6	67.4	64.0
07:00 AM - 08:00 AM	64.9	77.5	64.1
08:00 AM - 09:00 AM	67.2	84.1	64.7
09:00 AM - 10:00 AM	67.0	76.0	65.3
10:00 AM - 11:00 AM	65.5	70.2	63.7

Leq Average 24 hrs. (dB(A)) 64.8
Lmax (dB(A)) 84.1
L90 (dB(A)) 64.0
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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500432-1

Page 1 of 1

Sample Number 22125498-11
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732108, 1404895)
Measurement Date Nov 12 - Nov 13, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.0	90.1	63.8
12:00 PM - 01:00 PM	64.2	71.0	63.4
01:00 PM - 02:00 PM	63.2	78.9	62.5
02:00 PM - 03:00 PM	63.5	68.6	62.9
03:00 PM - 04:00 PM	64.0	78.8	63.0
04:00 PM - 05:00 PM	64.5	71.0	63.9
05:00 PM - 06:00 PM	64.3	67.1	63.8
06:00 PM - 07:00 PM	64.4	67.9	63.9
07:00 PM - 08:00 PM	64.6	67.8	64.1
08:00 PM - 09:00 PM	64.3	67.5	63.8
09:00 PM - 10:00 PM	64.4	66.9	64.0
10:00 PM - 11:00 PM	64.4	70.0	63.9
11:00 PM - 12:00 AM	64.4	67.3	64.0
12:00 AM - 01:00 AM	64.4	67.1	63.9
01:00 AM - 02:00 AM	65.4	73.0	64.0
02:00 AM - 03:00 AM	64.6	67.1	64.1
03:00 AM - 04:00 AM	64.9	68.5	64.2
04:00 AM - 05:00 AM	64.8	70.1	64.3
05:00 AM - 06:00 AM	64.8	67.3	64.3
06:00 AM - 07:00 AM	64.8	75.4	64.3
07:00 AM - 08:00 AM	64.8	68.0	64.2
08:00 AM - 09:00 AM	64.3	77.9	63.5
09:00 AM - 10:00 AM	64.4	83.9	63.6
10:00 AM - 11:00 AM	64.4	74.2	63.8

Leq Average 24 hrs. (dB(A)) 64.5
Lmax (dB(A)) 90.1
L90 (dB(A)) 63.9
Ldn (dB(A)) 71.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500433-1

Page 1 of 1

Sample Number 22125498-12
Parameter Noise (Leq 24 hrs.)
Location กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732108, 1404895)
Measurement Date Nov 13 - Nov 14, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.2	68.2	63.7
12:00 PM - 01:00 PM	64.1	67.4	63.6
01:00 PM - 02:00 PM	64.2	73.2	63.6
02:00 PM - 03:00 PM	64.0	70.8	63.5
03:00 PM - 04:00 PM	63.9	70.5	63.5
04:00 PM - 05:00 PM	65.0	92.9	63.5
05:00 PM - 06:00 PM	66.2	79.4	64.7
06:00 PM - 07:00 PM	65.2	67.5	64.7
07:00 PM - 08:00 PM	65.1	68.0	64.6
08:00 PM - 09:00 PM	65.0	67.9	64.5
09:00 PM - 10:00 PM	65.3	69.2	64.7
10:00 PM - 11:00 PM	65.8	68.7	65.3
11:00 PM - 12:00 AM	65.7	70.2	65.1
12:00 AM - 01:00 AM	66.0	71.2	65.4
01:00 AM - 02:00 AM	66.2	69.5	65.7
02:00 AM - 03:00 AM	66.0	69.6	65.2
03:00 AM - 04:00 AM	65.5	68.7	64.9
04:00 AM - 05:00 AM	65.6	67.9	65.0
05:00 AM - 06:00 AM	65.5	68.1	65.0
06:00 AM - 07:00 AM	65.6	68.2	65.0
07:00 AM - 08:00 AM	65.3	72.5	64.7
08:00 AM - 09:00 AM	64.9	68.6	64.3
09:00 AM - 10:00 AM	66.9	85.5	64.1
10:00 AM - 11:00 AM	64.8	72.5	64.2

Leq Average 24 hrs. (dB(A)) 65.3
Lmax (dB(A)) 92.9
L90 (dB(A)) 64.7
Ldn (dB(A)) 72.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500434-1

Page 1 of 1

Sample Number 22125498-13
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732108, 1404895)
Measurement Date Nov 14 - Nov 15, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.2	96.0	64.0
12:00 PM - 01:00 PM	64.9	69.2	64.3
01:00 PM - 02:00 PM	64.3	71.8	63.8
02:00 PM - 03:00 PM	65.3	95.7	62.9
03:00 PM - 04:00 PM	64.6	76.3	63.6
04:00 PM - 05:00 PM	65.3	68.4	64.8
05:00 PM - 06:00 PM	65.5	70.9	64.6
06:00 PM - 07:00 PM	66.2	79.0	64.5
07:00 PM - 08:00 PM	65.9	78.4	65.4
08:00 PM - 09:00 PM	65.6	75.0	65.1
09:00 PM - 10:00 PM	65.4	67.8	65.0
10:00 PM - 11:00 PM	65.5	68.1	65.1
11:00 PM - 12:00 AM	65.3	68.3	64.9
12:00 AM - 01:00 AM	65.2	71.0	64.7
01:00 AM - 02:00 AM	65.7	68.8	65.3
02:00 AM - 03:00 AM	65.6	68.8	65.1
03:00 AM - 04:00 AM	66.2	71.6	65.1
04:00 AM - 05:00 AM	66.2	68.3	65.8
05:00 AM - 06:00 AM	66.3	68.5	65.9
06:00 AM - 07:00 AM	66.0	68.9	65.1
07:00 AM - 08:00 AM	65.2	68.0	64.7
08:00 AM - 09:00 AM	65.0	68.9	64.4
09:00 AM - 10:00 AM	65.6	71.0	64.7
10:00 AM - 11:00 AM	66.3	79.1	64.6

Leq Average 24 hrs. (dB(A)) 65.5
Lmax (dB(A)) 96.0
L90 (dB(A)) 64.7
Ldn (dB(A)) 72.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125498

Date Received : Nov 18, 2022

Date Reported : Nov 23, 2022

Report Number: 2500435-1

Page 1 of 1

Sample Number 22125498-14
Parameter Noise (Leq 24 hrs.)
Location กิ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732108, 1404895)
Measurement Date Nov 15 - Nov 16, 2022
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 1173609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.8	69.5	63.9
12:00 PM - 01:00 PM	64.6	67.1	64.1
01:00 PM - 02:00 PM	65.2	71.4	64.1
02:00 PM - 03:00 PM	65.2	68.9	64.1
03:00 PM - 04:00 PM	65.7	70.7	64.4
04:00 PM - 05:00 PM	65.7	73.5	64.8
05:00 PM - 06:00 PM	66.4	70.2	65.8
06:00 PM - 07:00 PM	66.3	69.0	65.7
07:00 PM - 08:00 PM	65.6	79.2	65.0
08:00 PM - 09:00 PM	68.9	79.8	65.1
09:00 PM - 10:00 PM	66.5	78.8	64.9
10:00 PM - 11:00 PM	66.4	71.9	65.5
11:00 PM - 12:00 AM	66.5	70.3	65.5
12:00 AM - 01:00 AM	66.2	69.6	65.5
01:00 AM - 02:00 AM	66.4	72.6	65.8
02:00 AM - 03:00 AM	66.4	71.6	65.6
03:00 AM - 04:00 AM	66.0	69.8	65.4
04:00 AM - 05:00 AM	65.9	69.6	65.3
05:00 AM - 06:00 AM	65.4	68.2	65.0
06:00 AM - 07:00 AM	65.3	68.6	64.8
07:00 AM - 08:00 AM	65.2	69.3	64.7
08:00 AM - 09:00 AM	64.9	69.2	64.4
09:00 AM - 10:00 AM	65.1	76.7	64.5
10:00 AM - 11:00 AM	65.7	79.3	65.1

Leq Average 24 hrs. (dB(A)) 65.9
Lmax (dB(A)) 79.8
L90 (dB(A)) 65.0
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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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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2275040

Date Received : Aug 19, 2022

Date Reported : Aug 27, 2022

Report Number : 2347721-1

Page 1 of 3

Sample Number 2275040-1
Sampled Date Aug 19, 2022
Sample Description Air Quality
Location Compressor House
Date Analysis Commenced Aug 20, 2022
Condition of Sample Drawn into three 10-L air sampling bags
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	08:00 AM - 10:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	08:00 AM - 10:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	08:00 AM - 10:00 AM	ppm	-	1.0	3.4	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 : Natthapon Jiengwareewong

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: 2275040

Date Received : Aug 19, 2022

Date Reported : Aug 27, 2022

Report Number : 2347721-1

Page 2 of 3

Sample Number 2275040-2
Sampled Date Aug 19, 2022
Sample Description Air Quality
Location Degassing Hopper
Date Analysis Commenced Aug 20, 2022
Condition of Sample Drawn into three 10-L air sampling bags
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	08:00 AM - 10:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	08:00 AM - 10:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	08:00 AM - 10:00 AM	ppm	-	1.0	5.7	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 : Natthapon Jiengwareewong

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: 2275040

Date Received : Aug 19, 2022

Date Reported : Aug 27, 2022

Report Number : 2347721-1

Page 3 of 3

Sample Number 2275040-3
Sampled Date Aug 19, 2022
Sample Description Air Quality
Location Recycle Gas Cooler
Date Analysis Commenced Aug 20, 2022
Condition of Sample Drawn into three 10-L air sampling bags
Barometric Pressure 758 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	08:00 AM - 10:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	08:00 AM - 10:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	08:00 AM - 10:00 AM	ppm	-	1.0	4.6	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 : Natthapon Jiengwareewong

Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong
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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: 22125749

Date Received : Nov 09, 2022

Date Reported : Nov 17, 2022

Report Number : 2462284-1

Page 1 of 3

Sample Number 22125749-1
Sampled Date Nov 09, 2022
Sample Description Air Quality
Location Compressor House
Date Analysis Commenced Nov 12, 2022
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:15 AM - 11:15 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:15 AM - 11:15 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:15 AM - 11:15 AM	ppm	-	1.0	21.2	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 : Sittipan Sanachiw

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: 22125749

Date Received : Nov 09, 2022

Date Reported : Nov 17, 2022

Report Number : 2462284-1

Page 2 of 3

Sample Number 22125749-2
Sampled Date Nov 09, 2022
Sample Description Air Quality
Location Degassing Hopper
Date Analysis Commenced Nov 12, 2022
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:30 AM - 11:30 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:30 AM - 11:30 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:20 AM - 11:20 AM	ppm	-	1.0	7.7	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 : Sittipan Sanachiw

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: 22125749

Date Received : Nov 09, 2022

Date Reported : Nov 17, 2022

Report Number : 2462284-1

Page 3 of 3

Sample Number 22125749-3
Sampled Date Nov 09, 2022
Sample Description Air Quality
Location Recycle Gas Cooler
Date Analysis Commenced Nov 12, 2022
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 759 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:30 AM - 11:30 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:30 AM - 11:30 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:30 AM - 11:30 AM	ppm	-	1.0	7.3	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 : Sittipan Sanachiw

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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ภาคผนวก ค-6

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: 2275045

Date Received : Aug 22, 2022

Date Reported : Aug 26, 2022

Report Number: 2413311-1

Page 1 of 1

Sample Number 2275045-1
Parameter Noise (Leq 8 hrs.)
Location ภายนอก Compressor House
Measurement Date Aug 19, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:24 AM - 09:24 AM	81.3	84.2	81.0
09:24 AM - 10:24 AM	81.2	82.4	81.1
10:24 AM - 11:24 AM	81.5	82.2	81.3
11:24 AM - 12:24 PM	81.7	82.2	81.5
12:24 PM - 01:24 PM	81.8	82.4	81.6
01:24 PM - 02:24 PM	81.8	82.3	81.7
02:24 PM - 03:24 PM	81.8	83.0	81.7
03:24 PM - 04:24 PM	81.9	83.3	81.7

Leq Average 8 hrs. (dB(A))

81.6

Lmax (dB(A))

84.2

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

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: 2275045

Date Received : Aug 22, 2022

Date Reported : Aug 26, 2022

Report Number: 2413312-1

Page 1 of 1

Sample Number 2275045-2
Parameter Noise (Leq 8 hrs.)
Location Degassing Hopper
Measurement Date Aug 19, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:05 AM - 09:05 AM	82.7	86.7	81.9
09:05 AM - 10:05 AM	82.9	84.2	82.0
10:05 AM - 11:05 AM	83.0	84.3	82.1
11:05 AM - 12:05 PM	82.8	84.6	82.1
12:05 PM - 01:05 PM	82.8	84.4	81.9
01:05 PM - 02:05 PM	82.5	87.7	81.7
02:05 PM - 03:05 PM	82.3	83.1	82.1
03:05 PM - 04:05 PM	80.5	94.1	75.6

Leq Average 8 hrs. (dB(A))

82.5

Lmax (dB(A))

94.1

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

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: 2275045

Date Received : Aug 22, 2022

Date Reported : Aug 26, 2022

Report Number: 2413313-1

Page 1 of 1

Sample Number 2275045-3
Parameter Noise (Leq 8 hrs.)
Location Recycle Gas Cooler
Measurement Date Aug 19, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:14 AM - 09:14 AM	73.5	83.9	72.2
09:14 AM - 10:14 AM	72.6	86.1	71.7
10:14 AM - 11:14 AM	73.4	91.5	71.7
11:14 AM - 12:14 PM	72.4	77.0	71.7
12:14 PM - 01:14 PM	72.3	85.1	71.6
01:14 PM - 02:14 PM	73.4	92.1	71.9
02:14 PM - 03:14 PM	73.7	90.0	71.9
03:14 PM - 04:14 PM	73.2	98.2	71.9

Leq Average 8 hrs. (dB(A))

73.1

Lmax (dB(A))

98.2

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

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: 2275043

Date Received : Aug 22, 2022

Date Reported : Aug 26, 2022

Report Number: 2413306-1

Page 1 of 1

Sample Number 2275043-4
Parameter Noise (Leq 12 hrs.)
Location CCR
Measurement Date Aug 19, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:07 AM - 09:07 AM	61.6	77.6	52.2
09:07 AM - 10:07 AM	60.3	76.5	52.2
10:07 AM - 11:07 AM	63.2	76.5	53.0
11:07 AM - 12:07 PM	60.6	78.6	53.3
12:07 PM - 01:07 PM	60.5	77.7	53.6
01:07 PM - 02:07 PM	64.3	79.7	53.6
02:07 PM - 03:07 PM	62.7	81.8	54.0
03:07 PM - 04:07 PM	62.6	79.5	52.8
04:07 PM - 05:07 PM	63.0	79.1	52.6
05:07 PM - 06:07 PM	62.8	79.7	53.0
06:07 PM - 07:07 PM	62.6	79.5	52.8
07:07 PM - 08:07 PM	62.3	79.2	52.5

Leq Average 12 hrs. (dB(A))

62.4

Lmax (dB(A))

81.8

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Thanita K.

Thanita Kulsuriwong
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 : LDPE

Lot ID: 2275045

Date Received : Aug 22, 2022

Date Reported : Aug 26, 2022

Report Number: 2413315-1

Page 1 of 1

Sample Number 2275045-5
Parameter Noise (Leq 8 hrs.)
Location Bagging Area
Measurement Date Aug 19, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:30 AM - 09:30 AM	78.7	82.3	75.7
09:30 AM - 10:30 AM	75.8	85.1	74.0
10:30 AM - 11:30 AM	73.4	79.7	70.7
11:30 AM - 12:30 PM	75.2	80.9	73.1
12:30 PM - 01:30 PM	75.3	83.3	72.0
01:30 PM - 02:30 PM	76.0	84.0	73.9
02:30 PM - 03:30 PM	75.1	87.0	71.7
03:30 PM - 04:30 PM	73.2	83.4	71.5

Leq Average 8 hrs. (dB(A))

75.7

Lmax (dB(A))

87.0

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

Supot S.

Supot Salamteh
Section Head

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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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2275045

Date Received : Aug 22, 2022

Date Reported : Aug 26, 2022

Report Number: 2413316-1

Page 1 of 1

Sample Number 2275045-6
Parameter Noise (Leq 8 hrs.)
Location Storage Area
Measurement Date Aug 19, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:19 AM - 09:19 AM	75.7	78.0	75.3
09:19 AM - 10:19 AM	75.6	79.3	75.1
10:19 AM - 11:19 AM	75.5	84.3	75.1
11:19 AM - 12:19 PM	75.5	77.0	75.2
12:19 PM - 01:19 PM	75.4	78.9	75.1
01:19 PM - 02:19 PM	75.7	79.4	75.3
02:19 PM - 03:19 PM	75.9	81.0	75.4
03:19 PM - 04:19 PM	75.8	84.4	75.3

Leq Average 8 hrs. (dB(A))

75.6

Lmax (dB(A))

84.4

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2275045

Date Received : Aug 22, 2022

Date Reported : Aug 26, 2022

Report Number: 2413317-1

Page 1 of 1

Sample Number 2275045-7
Parameter Noise (Leq 8 hrs.)
Location กิ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date Aug 19, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:26 AM - 09:26 AM	81.1	82.7	80.9
09:26 AM - 10:26 AM	81.1	82.1	80.8
10:26 AM - 11:26 AM	81.0	81.9	80.7
11:26 AM - 12:26 PM	81.1	82.1	80.9
12:26 PM - 01:26 PM	81.1	82.1	80.9
01:26 PM - 02:26 PM	81.2	82.2	81.0
02:26 PM - 03:26 PM	81.1	83.4	80.9
03:26 PM - 04:26 PM	81.1	81.9	80.9
Leq Average 8 hrs. (dB(A))	81.1		
Lmax (dB(A))		83.4	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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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: 22125752

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number: 2493750-1

Page 1 of 1

Sample Number 22125752-1
Parameter Noise (Leq 8 hrs.)
Location ภายนอก Compressor House
Measurement Date Nov 09, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:40 AM - 09:40 AM	81.3	84.2	81.0
09:40 AM - 10:40 AM	80.6	81.5	80.4
10:40 AM - 11:40 AM	80.7	81.8	80.5
11:40 AM - 12:40 PM	80.6	82.5	80.3
12:40 PM - 01:40 PM	80.4	81.2	80.1
01:40 PM - 02:40 PM	80.7	85.2	80.4
02:40 PM - 03:40 PM	80.8	82.5	80.5
03:40 PM - 04:40 PM	80.8	81.8	80.7

Leq Average 8 hrs. (dB(A))

80.7

Lmax (dB(A))

85.2

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: 22125752

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number: 2493751-1

Page 1 of 1

Sample Number 22125752-2
Parameter Noise (Leq 8 hrs.)
Location Degassing Hopper
Measurement Date Nov 09, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:23 AM - 09:23 AM	82.2	84.3	80.5
09:23 AM - 10:23 AM	84.5	86.6	82.8
10:23 AM - 11:23 AM	83.5	86.4	82.3
11:23 AM - 12:23 PM	82.2	85.9	81.2
12:23 PM - 01:23 PM	82.9	84.4	81.8
01:23 PM - 02:23 PM	82.7	84.2	81.8
02:23 PM - 03:23 PM	82.7	84.8	81.6
03:23 PM - 04:23 PM	82.1	84.4	79.6

Leq Average 8 hrs. (dB(A))

82.9

Lmax (dB(A))

86.6

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: 22125752

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number: 2493752-1

Page 1 of 1

Sample Number 22125752-3
Parameter Noise (Leq 8 hrs.)
Location Recycle Gas Cooler
Measurement Date Nov 09, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:38 AM - 09:38 AM	75.6	93.1	71.8
09:38 AM - 10:38 AM	78.6	88.0	75.6
10:38 AM - 11:38 AM	77.7	86.4	75.0
11:38 AM - 12:38 PM	78.9	92.5	72.1
12:38 PM - 01:38 PM	78.0	83.4	74.5
01:38 PM - 02:38 PM	77.9	87.1	75.4
02:38 PM - 03:38 PM	77.9	86.9	75.6
03:38 PM - 04:38 PM	77.7	90.6	73.1

Leq Average 8 hrs. (dB(A))

77.9

Lmax (dB(A))

93.1

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: 22125751

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number: 2493746-1

Page 1 of 1

Sample Number 22125751-4
Parameter Noise (Leq 12 hrs.)
Location CCR
Measurement Date Nov 09, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:23 AM - 09:23 AM	60.4	76.3	54.7
09:23 AM - 10:23 AM	63.4	77.8	54.8
10:23 AM - 11:23 AM	63.0	78.6	55.1
11:23 AM - 12:23 PM	65.1	80.7	56.9
12:23 PM - 01:23 PM	58.3	73.1	55.0
01:23 PM - 02:23 PM	63.5	77.7	55.3
02:23 PM - 03:23 PM	60.8	76.7	55.1
03:23 PM - 04:23 PM	61.7	76.9	55.3
04:23 PM - 05:23 PM	64.5	76.0	56.1
05:23 PM - 06:23 PM	63.9	80.5	55.2
06:23 PM - 07:23 PM	63.5	76.9	55.8
07:23 PM - 08:23 PM	62.3	75.7	54.6

Leq Average 12 hrs. (dB(A))

62.9

Lmax (dB(A))

80.7

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 : LDPE

Lot ID: 22125752

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number: 2493754-1

Page 1 of 1

Sample Number 22125752-5
Parameter Noise (Leq 8 hrs.)
Location Bagging Area
Measurement Date Nov 09, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:50 AM - 09:50 AM	71.0	71.8	70.8
09:50 AM - 10:50 AM	71.3	79.1	70.9
10:50 AM - 11:50 AM	71.5	83.7	70.7
11:50 AM - 12:50 PM	70.7	71.7	70.5
12:50 PM - 01:50 PM	70.7	71.5	70.5
01:50 PM - 02:50 PM	71.1	78.8	70.7
02:50 PM - 03:50 PM	71.9	84.9	70.8
03:50 PM - 04:50 PM	71.2	74.6	71.0

Leq Average 8 hrs. (dB(A))

71.2

Lmax (dB(A))

84.9

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125752

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number: 2493755-1

Page 1 of 1

Sample Number 22125752-6
Parameter Noise (Leq 8 hrs.)
Location Storage Area
Measurement Date Nov 09, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:49 AM - 09:49 AM	74.8	77.7	74.5
09:49 AM - 10:49 AM	74.6	80.2	74.4
10:49 AM - 11:49 AM	74.7	79.3	74.3
11:49 AM - 12:49 PM	74.3	74.9	74.1
12:49 PM - 01:49 PM	74.3	74.9	74.1
01:49 PM - 02:49 PM	74.2	78.0	74.0
02:49 PM - 03:49 PM	74.5	78.9	74.3
03:49 PM - 04:49 PM	74.6	76.4	74.3

Leq Average 8 hrs. (dB(A))

74.5

Lmax (dB(A))

80.2

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125752

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number: 2493756-1

Page 1 of 1

Sample Number 22125752-7
Parameter Noise (Leq 8 hrs.)
Location กิ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date Nov 09, 2022
Measurement by Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:39 AM - 09:39 AM	81.5	85.2	80.5
09:39 AM - 10:39 AM	82.9	85.0	81.2
10:39 AM - 11:39 AM	83.5	86.4	82.3
11:39 AM - 12:39 PM	82.2	85.9	81.2
12:39 PM - 01:39 PM	82.9	84.4	81.8
01:39 PM - 02:39 PM	82.7	84.2	81.8
02:39 PM - 03:39 PM	82.7	84.8	81.6
03:39 PM - 04:39 PM	82.1	84.4	79.6

Leq Average 8 hrs. (dB(A))

82.6

Lmax (dB(A))

86.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2275053

Date Received : Aug 22, 2022

Date Reported : Aug 27, 2022

Report Number : 2417408-1

Page 1 of 1

Sample Number 2275053-1
Parameter Octave band
Location ภาชนะ Compressor House
Measurement Date Aug 19, 2022
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
08:24 AM - 09:24 AM	81.3	16.4	38.7	52.2	66.2	72.8	68.2	69.6	68.9	64.3	56.5	40.4
09:24 AM - 10:24 AM	81.2	16.6	37.9	51.9	66.3	72.8	68.2	69.3	68.8	64.3	56.6	40.4
10:24 AM - 11:24 AM	81.5	16.7	38.0	52.1	66.6	73.1	68.5	69.5	69.1	64.6	56.7	40.6
11:24 AM - 12:24 PM	81.7	16.5	38.2	52.3	66.9	73.2	68.9	69.7	69.3	64.6	56.7	40.9
12:24 PM - 01:24 PM	81.8	16.7	38.2	52.5	67.2	73.1	69.2	69.8	69.3	64.6	56.8	41.0
01:24 PM - 02:24 PM	81.8	16.9	38.0	52.5	66.9	72.9	69.2	69.9	69.3	64.5	56.7	41.2
02:24 PM - 03:24 PM	81.8	16.6	38.1	52.2	66.4	72.7	69.4	70.1	69.4	64.5	56.7	41.1
03:24 PM - 04:24 PM	81.9	16.2	37.8	52.6	66.6	72.9	69.3	70.3	69.4	64.6	56.7	41.1
04:24 PM - 05:24 PM	82.0	16.7	37.9	53.0	66.5	73.1	69.1	70.2	69.4	64.6	56.7	41.2
05:24 PM - 06:24 PM	81.2	25.8	44.7	58.4	67.9	73.1	76.4	75.1	73.0	68.3	59.9	47.5
06:24 PM - 07:24 PM	81.5	26.4	45.3	59.4	68.3	73.5	76.6	75.4	73.3	68.6	59.9	47.6
07:24 PM - 08:24 PM	81.4	26.1	44.9	58.8	67.9	73.4	76.8	75.2	73.1	68.3	59.7	46.6
Average	81.6	21.3	41.0	55.1	67.0	73.1	72.4	71.9	70.6	65.9	57.7	43.5

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 : LDPE

Lot ID: 2275053

Date Received : Aug 22, 2022

Date Reported : Aug 27, 2022

Report Number : 2417409-1

Page 1 of 1

Sample Number 2275053-2
Parameter Octave band
Location Degassing Hopper
Measurement Date Aug 19, 2022
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
08:05 AM - 09:05 AM	82.7	19.3	43.6	60.5	66.9	70.2	75.5	77.4	77.1	73.6	67.5	53.6
09:05 AM - 10:05 AM	82.9	18.6	44.3	61.1	66.3	69.8	75.4	77.6	77.6	73.8	67.9	54.3
10:05 AM - 11:05 AM	83.0	19.8	44.1	61.2	66.8	69.9	75.9	77.4	77.4	74.0	68.3	54.5
11:05 AM - 12:05 PM	82.8	19.2	43.5	60.5	66.6	69.2	75.5	77.5	77.6	73.0	65.9	51.8
12:05 PM - 01:05 PM	82.8	20.6	42.0	60.5	67.0	69.8	75.0	77.5	77.3	73.8	67.9	54.0
01:05 PM - 02:05 PM	82.5	21.4	41.7	62.5	67.3	67.9	74.8	77.0	77.3	73.4	67.1	53.1
02:05 PM - 03:05 PM	82.3	24.2	42.6	63.6	67.6	67.5	74.3	76.2	77.2	74.2	68.6	54.4
03:05 PM - 04:05 PM	80.5	20.4	43.5	62.1	63.9	68.0	75.2	74.8	74.4	69.5	62.1	47.0
04:05 PM - 05:05 PM	80.2	24.8	41.4	63.4	68.4	70.6	72.4	74.4	74.6	69.8	62.6	49.6
05:05 PM - 06:05 PM	80.4	24.2	41.2	62.1	67.8	70.0	73.0	75.0	75.0	69.1	61.5	48.1
06:05 PM - 07:05 PM	80.4	25.0	41.6	63.6	68.6	70.8	72.6	74.6	74.8	70.0	62.8	49.8
07:05 PM - 08:05 PM	80.0	24.6	41.2	63.2	68.2	70.4	72.2	74.2	74.4	69.6	62.4	49.4
Average	81.9	22.5	42.7	62.2	67.3	69.6	74.5	76.3	76.4	72.4	66.2	52.3

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 : LDPE

Lot ID: 2275053

Date Received : Aug 22, 2022

Date Reported : Aug 27, 2022

Report Number : 2417410-1

Page 1 of 1

Sample Number 2275053-3
Parameter Octave band
Location Recycle Gas Cooler
Measurement Date Aug 19, 2022
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
08:14 AM - 09:14 AM	73.5	24.0	38.4	52.5	59.0	62.7	64.6	68.8	68.1	62.5	57.5	45.7
09:14 AM - 10:14 AM	72.6	24.3	38.9	52.1	59.1	62.6	64.5	66.3	67.6	62.8	57.6	45.8
10:14 AM - 11:14 AM	73.4	24.4	39.2	52.1	59.2	62.8	64.9	67.3	68.5	64.1	58.2	46.1
11:14 AM - 12:14 PM	72.4	24.7	39.4	52.3	59.5	62.4	64.6	66.5	67.0	62.4	57.4	45.7
12:14 PM - 01:14 PM	72.3	24.5	39.2	52.1	59.3	62.6	64.2	65.6	67.5	62.4	57.3	45.7
01:14 PM - 02:14 PM	73.4	24.4	38.5	52.1	59.1	62.9	64.8	66.8	69.1	63.7	58.0	46.0
02:14 PM - 03:14 PM	73.7	24.6	38.5	52.2	59.2	63.0	65.0	67.7	68.8	64.4	58.7	46.4
03:14 PM - 04:14 PM	73.2	24.3	38.6	52.2	59.3	62.8	64.9	66.9	68.5	63.6	58.0	46.1
04:14 PM - 05:14 PM	73.3	24.0	38.6	52.5	59.2	62.8	65.3	67.5	68.6	62.5	57.6	46.0
05:14 PM - 06:14 PM	71.9	23.7	39.6	53.0	58.5	63.7	66.9	64.2	63.4	62.8	58.9	45.6
06:14 PM - 07:14 PM	72.0	23.8	39.7	53.1	58.6	63.8	67.0	64.3	63.5	62.9	59.0	45.7
07:14 PM - 08:14 PM	71.6	22.7	38.7	52.0	58.0	62.6	67.4	63.6	62.7	62.1	58.3	45.3
Average	72.8	24.1	39.0	52.4	59.0	62.9	65.5	66.5	67.4	63.1	58.1	45.9

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 : LDPE

Lot ID: 2275053

Date Received : Aug 22, 2022

Date Reported : Aug 27, 2022

Report Number : 2417411-1

Page 1 of 1

Sample Number 2275053-4
Parameter Octave band
Location CCR
Measurement Date Aug 19, 2022
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
08:07 AM - 09:07 AM	61.6	10.9	23.3	26.2	38.5	46.6	55.8	57.8	54.8	50.2	42.1	45.7
09:07 AM - 10:07 AM	60.3	10.6	23.4	25.4	37.4	45.4	54.6	56.9	52.5	49.1	37.9	23.9
10:07 AM - 11:07 AM	63.2	10.7	23.4	25.9	38.8	48.2	57.3	59.6	56.5	51.2	39.4	25.0
11:07 AM - 12:07 PM	60.6	10.8	23.4	26.2	39.0	47.3	54.4	56.1	54.5	50.7	40.8	26.3
12:07 PM - 01:07 PM	60.5	10.9	23.2	26.1	42.2	47.3	54.3	56.7	52.8	50.6	40.2	25.7
01:07 PM - 02:07 PM	64.3	11.5	22.9	26.5	39.6	49.3	58.6	60.0	58.0	53.7	42.0	26.4
02:07 PM - 03:07 PM	62.7	14.3	23.0	27.3	40.5	49.3	57.2	58.1	56.5	51.7	42.7	29.1
03:07 PM - 04:07 PM	62.6	10.3	22.6	25.5	39.0	47.3	56.8	58.1	56.4	52.9	42.1	26.6
04:07 PM - 05:07 PM	63.0	10.0	22.7	25.2	38.5	46.9	57.9	59.2	55.6	50.1	40.3	25.0
05:07 PM - 06:07 PM	62.8	10.5	22.8	25.7	39.2	47.5	57.0	58.3	56.6	53.1	42.3	26.8
06:07 PM - 07:07 PM	62.6	10.3	22.6	25.5	39.0	47.3	56.8	58.1	56.4	52.9	42.1	26.6
07:07 PM - 08:07 PM	62.3	10.0	22.3	25.2	38.7	47.0	56.5	57.8	56.1	52.6	41.8	26.3
Average	62.4	11.1	23.0	25.9	39.4	47.6	56.6	58.2	55.8	51.8	41.3	35.4

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 : LDPE

Lot ID: 2275053

Date Received : Aug 22, 2022

Date Reported : Aug 27, 2022

Report Number : 2417412-1

Page 1 of 1

Sample Number 2275053-5
Parameter Octave band
Location Bagging Area
Measurement Date Aug 19, 2022
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
08:30 AM - 09:30 AM	78.7	14.0	28.8	47.9	55.6	61.6	66.0	68.9	67.8	67.4	61.9	46.7
09:30 AM - 10:30 AM	75.8	13.7	29.5	47.7	55.0	60.2	62.5	65.5	64.5	64.8	59.4	46.6
10:30 AM - 11:30 AM	73.4	13.3	28.4	46.2	54.7	59.3	60.5	64.0	62.3	61.7	55.8	41.8
11:30 AM - 12:30 PM	75.2	13.7	28.0	45.3	54.7	59.6	61.8	64.8	64.4	64.5	58.9	45.9
12:30 PM - 01:30 PM	75.3	13.6	28.9	46.3	54.8	59.5	62.1	64.6	64.1	64.4	58.9	46.0
01:30 PM - 02:30 PM	76.0	14.8	26.4	45.6	55.4	59.6	62.1	64.8	64.9	65.7	59.9	47.0
02:30 PM - 03:30 PM	75.1	13.0	26.8	44.2	55.2	59.3	61.4	64.7	63.4	64.0	59.2	48.7
03:30 PM - 04:30 PM	73.2	11.7	26.7	44.5	55.4	59.4	61.1	63.8	61.2	59.6	55.0	45.5
04:30 PM - 05:30 PM	73.2	12.2	26.9	46.3	54.9	58.9	60.3	62.4	60.7	61.3	58.5	51.1
05:30 PM - 06:30 PM	73.3	11.2	25.0	42.4	53.4	57.5	59.6	62.9	61.6	62.2	57.4	46.9
06:30 PM - 07:30 PM	73.5	12.0	27.0	44.8	55.7	59.7	61.4	64.1	61.5	59.9	55.3	45.8
07:30 PM - 08:30 PM	73.4	11.9	26.9	44.7	55.6	59.6	61.3	64.0	61.4	59.8	55.2	45.7
Average	75.0	13.1	27.6	45.7	55.1	59.6	62.0	64.9	63.7	63.6	58.5	47.0

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 : LDPE

Lot ID: 2275053

Date Received : Aug 22, 2022

Date Reported : Aug 27, 2022

Report Number : 2417413-1

Page 1 of 1

Sample Number 2275053-6
Parameter Octave band
Location Storage Area
Measurement Date Aug 19, 2022
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
08:19 AM - 09:19 AM	75.7	23.9	38.3	53.1	61.4	66.2	67.3	70.3	69.8	67.1	59.7	42.6
09:19 AM - 10:19 AM	75.6	24.0	38.9	53.2	61.3	66.3	67.9	69.4	69.8	67.0	59.5	42.8
10:19 AM - 11:19 AM	75.5	24.1	38.9	53.1	61.4	66.5	67.5	69.0	70.0	67.3	59.7	43.3
11:19 AM - 12:19 PM	75.5	24.2	39.5	53.2	61.0	66.6	67.7	69.2	69.6	67.2	59.7	43.0
12:19 PM - 01:19 PM	75.4	24.1	39.2	53.4	60.8	66.5	67.5	68.9	69.8	67.1	59.7	42.9
01:19 PM - 02:19 PM	75.7	24.1	38.8	53.9	60.8	66.8	67.6	69.3	70.0	67.3	59.9	43.3
02:19 PM - 03:19 PM	75.9	24.1	38.7	53.9	60.9	67.1	67.7	70.1	69.8	67.4	60.0	43.5
03:19 PM - 04:19 PM	75.8	24.0	38.9	54.1	60.9	67.2	67.6	69.8	69.7	67.2	59.7	43.1
04:19 PM - 05:19 PM	76.1	23.6	38.8	54.0	60.8	67.3	68.5	70.9	69.4	67.1	59.7	43.2
05:19 PM - 06:19 PM	75.3	23.5	38.1	53.3	60.3	66.5	67.1	69.5	69.2	66.8	59.4	42.9
06:19 PM - 07:19 PM	75.5	23.7	38.3	53.5	60.5	66.7	67.3	69.7	69.4	67.0	59.6	43.1
07:19 PM - 08:19 PM	75.5	23.7	38.1	52.9	61.2	66.0	67.1	70.1	69.6	66.9	59.5	42.4
Average	75.6	23.9	38.7	53.5	61.0	66.7	67.6	69.7	69.7	67.1	59.7	43.0

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 : LDPE

Lot ID: 2275053

Date Received : Aug 22, 2022

Date Reported : Aug 27, 2022

Report Number : 2417414-1

Page 1 of 1

Sample Number 2275053-7
Parameter Octave band
Location กึ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date Aug 19, 2022
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
08:26 AM - 09:26 AM	81.1	23.4	38.5	56.8	64.7	66.9	66.8	67.9	70.1	76.7	76.7	65.8
09:26 AM - 10:26 AM	81.1	23.9	38.9	57.0	64.5	66.7	66.9	69.2	70.0	76.6	76.6	65.7
10:26 AM - 11:26 AM	81.0	23.7	38.7	56.9	64.1	66.9	66.8	68.9	69.8	76.6	76.6	65.6
11:26 AM - 12:26 PM	81.1	24.7	39.1	56.4	64.2	66.8	66.7	69.7	70.0	76.7	76.7	65.7
12:26 PM - 01:26 PM	81.1	23.8	38.6	55.7	64.4	66.8	66.8	69.9	70.1	76.7	76.7	65.7
01:26 PM - 02:26 PM	81.2	23.8	38.6	56.5	64.0	67.1	67.3	69.2	70.2	76.7	76.7	65.9
02:26 PM - 03:26 PM	81.1	23.7	38.5	57.1	63.9	66.8	67.1	70.4	70.0	76.6	76.6	65.7
03:26 PM - 04:26 PM	81.1	23.3	38.5	56.7	64.0	67.0	67.2	69.6	70.0	76.7	76.7	65.8
04:26 PM - 05:26 PM	81.2	23.4	38.6	55.9	64.1	67.1	67.3	69.3	70.1	76.8	76.8	66.1
05:26 PM - 06:26 PM	81.0	25.4	36.6	54.1	60.1	65.5	65.7	68.1	71.5	76.7	76.7	67.1
06:26 PM - 07:26 PM	81.3	25.7	36.9	54.4	60.4	65.8	66.0	68.4	71.8	77.0	77.0	67.4
07:26 PM - 08:26 PM	81.2	25.2	36.5	53.8	60.6	65.1	65.8	68.1	71.7	76.9	76.9	67.1
Average	81.1	24.2	38.3	56.1	63.5	66.6	66.7	69.1	70.5	76.7	76.7	66.2

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 : LDPE

Lot ID: 22125754

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number : 2494531-1

Page 1 of 1

Sample Number 22125754-1
Parameter Octave band
Location ภาชนะ Compressor House
Measurement Date Nov 09, 2022
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
08:40 AM - 09:40 AM	81.3	16.4	38.7	52.2	66.2	72.8	68.2	69.6	68.9	64.3	56.5	40.4
09:40 AM - 10:40 AM	80.6	25.1	45.5	59.1	69.0	74.1	73.8	73.6	73.2	70.1	63.4	48.0
10:40 AM - 11:40 AM	80.7	25.0	45.3	59.3	68.8	73.9	74.2	73.9	73.1	70.1	63.4	47.7
11:40 AM - 12:40 PM	80.6	25.0	45.1	58.6	68.2	73.7	74.4	73.9	73.1	69.9	63.5	47.7
12:40 PM - 01:40 PM	80.4	24.9	44.9	58.4	67.8	73.6	74.1	73.7	72.8	69.7	63.3	47.4
01:40 PM - 02:40 PM	80.7	25.1	45.0	58.4	68.2	73.7	74.7	74.0	73.1	69.8	63.1	47.2
02:40 PM - 03:40 PM	80.8	25.3	45.1	58.5	68.6	74.3	74.6	74.0	73.1	69.9	63.1	47.3
03:40 PM - 04:40 PM	80.8	25.2	45.2	59.0	69.0	74.5	73.7	74.1	73.4	70.2	63.6	48.6
04:40 PM - 05:40 PM	80.8	25.1	45.2	59.1	69.1	74.5	73.5	74.1	73.4	70.2	63.6	48.6
05:40 PM - 06:40 PM	80.8	25.4	45.3	59.3	69.3	74.5	73.4	74.0	73.5	70.3	63.8	48.9
06:40 PM - 07:40 PM	81.0	25.6	45.4	59.3	69.4	74.9	74.0	74.1	73.5	70.3	63.7	49.1
07:40 PM - 08:40 PM	80.5	24.8	45.1	59.1	68.6	73.7	74.0	73.7	72.9	69.9	63.2	47.5
Average	80.8	24.8	44.9	58.6	68.6	74.1	73.8	73.7	73.0	69.8	63.1	47.7

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125754

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number : 2494532-1

Page 1 of 1

Sample Number 22125754-2
Parameter Octave band
Location Degassing Hopper
Measurement Date Nov 09, 2022
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
08:23 AM - 09:23 AM	82.2	16.1	41.3	59.1	64.6	66.5	75.3	77.2	77.0	72.3	64.6	49.6
09:23 AM - 10:23 AM	84.5	18.4	43.6	61.4	66.9	68.8	77.6	79.5	79.3	74.6	66.9	51.9
10:40 AM - 11:40 AM	83.5	18.9	42.5	59.4	65.8	69.9	75.9	77.9	78.7	74.7	66.2	50.1
11:40 AM - 12:40 PM	82.2	21.2	42.2	59.3	66.9	71.7	75.8	76.8	76.5	71.4	61.6	43.5
12:40 PM - 01:40 PM	82.9	23.7	41.9	60.1	66.0	71.3	75.7	77.2	77.5	73.7	65.7	49.4
01:40 PM - 02:40 PM	82.7	21.8	40.4	59.2	65.0	69.1	74.5	76.7	78.2	74.4	65.8	49.4
02:40 PM - 03:40 PM	82.7	21.7	40.7	59.3	65.0	70.9	76.7	76.9	77.1	73.1	64.8	48.3
03:40 PM - 04:40 PM	82.1	19.3	41.2	57.4	61.2	69.8	75.4	75.7	77.4	73.4	62.9	41.5
04:40 PM - 05:40 PM	79.1	17.3	42.2	58.1	61.4	67.3	74.2	73.7	71.7	68.6	61.0	43.0
05:40 PM - 06:40 PM	81.6	18.3	42.4	58.4	65.1	69.7	76.0	76.1	74.7	72.1	64.2	46.0
06:40 PM - 07:40 PM	80.0	18.2	42.4	58.6	65.2	71.0	76.0	73.8	71.2	67.4	60.7	43.6
07:40 PM - 08:40 PM	80.2	19.2	40.2	57.3	64.9	69.7	73.8	74.8	74.5	69.4	59.6	41.5
Average	82.2	20.0	41.9	59.1	65.1	69.9	75.7	76.7	76.8	72.6	64.2	47.8

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 : LDPE

Lot ID: 22125754

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number : 2494533-1

Page 1 of 1

Sample Number 22125754-3
Parameter Octave band
Location Recycle Gas Cooler
Measurement Date Nov 09, 2022
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
08:38 AM - 09:38 AM	75.6	21.8	37.4	48.9	57.6	63.9	67.2	68.8	68.9	69.5	65.3	54.3
09:38 AM - 10:38 AM	78.6	22.0	38.8	49.7	57.7	64.5	68.2	70.6	72.1	74.2	69.2	56.6
10:38 AM - 11:38 AM	77.7	21.9	37.9	49.2	56.9	63.7	67.3	69.8	70.8	73.8	66.9	54.2
11:38 AM - 12:38 PM	78.9	21.4	38.4	49.7	57.4	64.7	69.6	74.2	71.9	72.2	67.6	55.1
12:38 PM - 01:38 PM	78.0	20.8	38.6	49.7	57.0	64.3	68.1	70.7	72.0	72.7	68.2	55.3
01:38 PM - 02:38 PM	77.9	20.2	38.2	49.3	56.6	63.6	67.7	70.3	71.7	73.0	68.7	55.6
02:38 PM - 03:38 PM	77.9	18.8	37.8	49.3	57.4	64.7	68.8	71.4	72.0	71.9	67.4	55.9
03:38 PM - 04:38 PM	77.7	17.6	37.4	49.0	57.2	64.4	68.2	70.5	71.0	71.6	69.5	60.6
04:38 PM - 05:38 PM	75.6	20.0	37.8	48.3	56.5	62.9	66.1	68.1	68.9	70.4	66.6	56.4
05:38 PM - 06:38 PM	76.2	20.9	37.8	48.7	56.6	62.7	65.5	67.4	68.8	71.9	68.0	55.3
06:38 PM - 07:38 PM	75.9	22.1	37.7	49.2	57.9	64.2	67.5	69.1	69.2	69.8	65.6	54.6
07:38 PM - 08:38 PM	76.4	21.1	38.0	48.9	56.8	62.9	65.7	67.6	69.0	72.1	68.2	55.5
Average	77.3	20.9	38.0	49.2	57.2	63.9	67.6	70.3	70.7	72.1	67.8	56.2

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 : LDPE

Lot ID: 22125754

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number : 2494534-1

Page 1 of 1

Sample Number 22125754-4
Parameter Octave band
Location CCR
Measurement Date Nov 09, 2022
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
08:23 AM - 09:23 AM	60.4	11.3	20.8	28.5	40.7	47.5	53.9	56.4	53.7	50.2	39.5	54.3
09:23 AM - 10:23 AM	63.4	10.2	21.5	29.1	42.0	48.5	56.6	59.6	58.0	50.0	38.0	22.9
10:40 AM - 11:40 AM	63.0	10.6	21.4	29.1	42.2	49.0	57.0	58.4	57.6	51.2	39.9	25.4
11:40 AM - 12:40 PM	65.1	10.7	21.5	29.2	43.8	52.2	60.1	60.7	58.4	51.2	40.7	25.3
12:40 PM - 01:40 PM	58.3	11.8	21.4	28.7	40.2	46.8	52.1	54.3	51.1	47.2	36.2	22.7
01:40 PM - 02:40 PM	63.5	11.1	21.4	29.2	42.1	49.6	57.7	59.1	57.7	51.8	40.0	25.2
02:40 PM - 03:40 PM	60.8	11.7	21.2	28.9	41.1	47.9	54.3	56.8	54.1	50.6	39.9	26.0
03:40 PM - 04:40 PM	61.7	10.8	21.7	29.0	41.7	48.1	55.9	57.6	55.7	48.7	38.9	23.8
04:40 PM - 05:40 PM	64.5	10.5	21.9	29.0	43.1	51.1	59.4	60.3	57.7	50.4	39.7	24.9
05:40 PM - 06:40 PM	63.9	10.9	22.3	29.4	42.1	49.9	58.5	59.7	57.7	49.7	39.2	24.5
06:40 PM - 07:40 PM	63.5	10.6	22.0	29.4	42.1	50.3	58.2	59.3	56.6	51.0	40.6	25.6
07:40 PM - 08:40 PM	62.3	9.4	20.8	28.2	40.9	49.1	57.0	58.1	55.4	49.8	39.4	24.4
Average	62.9	10.8	21.5	29.0	41.9	49.4	57.3	58.7	56.6	50.3	39.5	43.6

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 : LDPE

Lot ID: 22125754

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number : 2494535-1

Page 1 of 1

Sample Number 22125754-5
Parameter Octave band
Location Bagging Area
Measurement Date Nov 09, 2022
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
08:50 AM - 09:50 AM	71.0	23.9	38.5	52.4	59.9	63.0	64.6	63.1	63.4	62.6	57.9	46.0
09:50 AM - 10:50 AM	71.3	23.8	38.1	52.3	58.6	62.9	64.5	63.9	64.1	62.8	58.2	46.1
10:50 AM - 11:50 AM	71.5	24.1	38.4	52.4	59.0	62.9	65.0	64.1	64.3	62.8	58.4	46.1
11:50 AM - 12:50 PM	70.7	23.8	38.2	52.3	59.5	62.5	64.1	63.0	63.1	62.2	57.9	45.8
12:50 PM - 01:50 PM	70.7	23.6	38.2	52.1	59.6	62.7	64.3	62.8	63.1	62.3	57.6	45.7
01:50 PM - 02:50 PM	71.1	24.0	38.2	52.0	59.2	62.7	64.5	63.5	63.9	62.7	57.9	46.1
02:50 PM - 03:50 PM	71.9	23.6	38.3	52.1	59.3	63.4	64.8	64.6	64.9	63.7	58.7	46.8
03:50 PM - 04:50 PM	71.2	23.3	38.5	52.1	59.2	63.3	64.9	63.3	63.5	62.9	58.2	46.7
04:50 PM - 05:50 PM	71.4	23.8	38.8	52.3	59.2	63.7	64.9	63.5	63.8	62.9	58.4	46.8
05:50 PM - 06:50 PM	71.5	24.0	38.7	52.5	59.1	63.7	65.4	63.4	63.7	63.0	58.4	46.9
06:50 PM - 07:50 PM	70.0	22.5	36.8	51.0	57.3	61.6	63.2	62.6	62.8	61.5	56.9	44.8
07:50 PM - 08:50 PM	70.2	23.3	37.7	51.8	59.0	62.0	63.6	62.5	62.6	61.7	57.4	45.3
Average	71.1	23.7	38.2	52.1	59.1	62.9	64.5	63.4	63.6	62.6	58.0	46.1

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125754

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number : 2494536-1

Page 1 of 1

Sample Number 22125754-6
Parameter Octave band
Location Storage Area
Measurement Date Nov 09, 2022
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
08:49 AM - 09:49 AM	74.8	24.7	39.0	53.8	61.1	66.6	67.6	67.8	68.5	66.6	57.7	41.1
09:49 AM - 10:49 AM	74.6	24.4	38.8	53.0	60.7	65.8	67.0	68.0	68.6	66.5	58.2	41.1
10:49 AM - 11:49 AM	74.7	24.5	39.0	53.2	60.8	65.9	67.1	67.8	68.7	66.7	58.7	41.8
11:49 AM - 12:49 PM	74.3	24.6	39.0	53.5	61.2	65.7	66.8	66.9	68.3	66.5	58.5	40.3
12:49 PM - 01:49 PM	74.3	24.6	38.9	53.4	61.5	65.7	66.9	66.7	68.3	66.5	58.2	39.9
01:49 PM - 02:49 PM	74.2	24.4	38.7	53.5	61.3	65.7	66.9	66.6	68.1	66.5	57.6	39.6
02:49 PM - 03:49 PM	74.5	24.6	38.7	53.6	60.9	65.9	67.2	67.2	68.5	66.7	58.0	40.4
03:49 PM - 04:49 PM	74.6	24.3	38.6	53.7	61.0	66.1	67.8	67.2	68.2	66.6	57.8	40.9
04:49 PM - 05:49 PM	74.6	24.4	38.7	53.6	61.1	66.4	67.3	67.4	68.3	66.7	57.5	40.9
05:49 PM - 06:49 PM	74.8	24.7	39.0	53.8	61.1	66.6	67.6	67.8	68.5	66.6	57.7	41.1
06:49 PM - 07:49 PM	74.8	24.8	39.2	53.8	61.3	66.8	67.7	67.5	68.4	66.5	57.5	40.9
07:49 PM - 08:49 PM	73.7	23.7	38.1	52.7	60.2	65.7	66.6	66.4	67.3	65.4	56.4	39.8
Average	74.5	24.5	38.8	53.5	61.0	66.1	67.2	67.3	68.3	66.5	57.9	40.7

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 : LDPE

Lot ID: 22125754

Date Received : Nov 11, 2022

Date Reported : Nov 16, 2022

Report Number : 2494537-1

Page 1 of 1

Sample Number 22125754-7
Parameter Octave band
Location กึ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date Nov 09, 2022
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
08:39 AM - 09:39 AM	81.5	20.5	41.5	58.6	66.2	71.0	75.1	76.1	75.8	70.7	60.9	42.8
08:39 AM - 09:39 AM	82.9	16.8	42.0	59.8	65.3	67.2	76.0	77.9	77.7	73.0	65.3	50.3
08:39 AM - 09:39 AM	83.5	18.9	42.5	59.4	65.8	69.9	75.9	77.9	78.7	74.7	66.2	50.1
08:39 AM - 09:39 AM	82.2	21.2	42.2	59.3	66.9	71.7	75.8	76.8	76.5	71.4	61.6	43.5
12:39 PM - 01:39 PM	82.9	23.7	41.9	60.1	66.0	71.3	75.7	77.2	77.5	73.7	65.7	49.4
01:39 PM - 02:39 PM	82.7	21.8	40.4	59.2	65.0	69.1	74.5	76.7	78.2	74.4	65.8	49.4
02:39 PM - 03:39 PM	82.7	21.7	40.7	59.3	65.0	70.9	76.7	76.9	77.1	73.1	64.8	48.3
03:39 PM - 04:39 PM	82.1	19.3	41.2	57.4	61.2	69.8	75.4	75.7	77.4	73.4	62.9	41.5
04:39 PM - 05:39 PM	79.1	17.3	42.2	58.1	61.4	67.3	74.2	73.7	71.7	68.6	61.0	43.0
05:39 PM - 06:39 PM	81.6	18.3	42.4	58.4	65.1	69.7	76.0	76.1	74.7	72.1	64.2	46.0
06:39 PM - 07:39 PM	80.6	17.3	41.4	57.4	64.1	68.7	75.0	75.1	73.7	71.1	63.2	45.0
07:39 PM - 08:39 PM	80.0	18.2	42.4	58.6	65.2	71.0	76.0	73.8	71.2	67.4	60.7	43.6
Average	82.0	20.1	41.8	58.9	65.0	70.0	75.6	76.4	76.4	72.4	64.0	47.1

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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2275050

Date Received : Aug 22, 2022

Date Reported : Aug 24, 2022

Report Number : 2347730-1

Page 1 of 2

Sample Number 2275050-1
Sampled Date Aug 19, 2022
Sample Description Noise Dose
Location พนักงาน Operator ของ LDPE
Personal Sampling คุณกัณตพงศ์ กมลวิริยโกศล
Date Analysis Commenced Aug 23, 2022

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	%	-	-	6.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	6.5	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)	-	-	71.4	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	73.1	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 :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 22125753

Date Received : Nov 10, 2022

Date Reported : Nov 14, 2022

Report Number : 2462294-1

Page 1 of 2

Sample Number 22125753-1
Sampled Date Nov 09, 2022
Sample Description Noise Dose
Location พนักงาน Operator ของ LDPE
Personal Sampling คุณอนันต์ชัย ผันผาย
Date Analysis Commenced Nov 11, 2022

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	07:30 AM - 07:30 PM	%	-	-	38.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	07:30 AM - 07:30 PM	%	-	1	36.3	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	07:30 AM - 07:30 PM	dB(A)	-	-	78.9	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	07:30 AM - 07:30 PM	dB(A)	-	-	80.6	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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