

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศจากปล่องระบาย



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123381

Date Received : Nov 06, 2023

Date Reported : Nov 17, 2023

Report Number: 2814338-1

Page 1 of 1

Sample Number 23123381-1
Sampled Date Nov 06, 2023
Sample Description Emission from Stationary Source
Location Degassing Hopper(TK-234A)
Date Analysis Commenced Nov 07, 2023
Condition of Sample Extracted into one 10-L air sampling bag

Stack Description

Ambient Pressure	753	mmHg	Diameter	0.70	m	Oxygen	20.9	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	36.2	°C	Gas Velocity	2.2	m/s
Type of Fuel	-		Moisture	1.82	%	Flow Rate (Actual O2)	4680	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	10:20 AM - 10:30 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok
Propane	10:20 AM - 10:30 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok

Sampled By : Mongkon Phalathip

Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123382

Date Received : Nov 06, 2023

Date Reported : Nov 17, 2023

Report Number: 2814329-1

Page 1 of 1

Sample Number 23123382-1
Sampled Date Nov 06, 2023
Sample Description Emission from Stationary Source
Location Weigh Hopper (TK-229 B)
Date Analysis Commenced Nov 07, 2023
Condition of Sample Extracted into one 10-L air sampling bag

Stack Description

Ambient Pressure	753	mmHg	Diameter	0.70	m	Oxygen	20.9	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	37.0	°C	Gas Velocity	16.8	m/s
Type of Fuel	-		Moisture	0.92	%	Flow Rate (Actual O2)	21973	Nm3/hr

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

Sampled By : Mongkon Phalathip

Remark :

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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123376

Date Received : Nov 14, 2023

Date Reported : Nov 24, 2023

Report Number : 2814320-1

Page 1 of 7

Sample Number 23123376-1

Sampled Date Nov 03, 2023

Sample Description Air Quality

Location บ้านนาเกลือ ตำบล พัทลุง อำเภอเมือง-ใต้

Date Analysis Commenced Nov 15, 2023

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	03/11/23 - 04/11/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	03/11/23 - 04/11/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anuwet Tema

Remark :

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

Saranya C.

Approved by

Saranya Chalerthamrong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123376

Date Received : Nov 14, 2023

Date Reported : Nov 24, 2023

Report Number : 2814320-1

Page 2 of 7

Sample Number 23123376-2

Sampled Date Nov 04, 2023

Sample Description Air Quality

Location บ้านนาเกลือ ตำบล พัทลุง อำเภอเมือง-ใต้

Date Analysis Commenced Nov 15, 2023

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	04/11/23 - 05/11/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	04/11/23 - 05/11/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anuwet Tema

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123376

Date Received : Nov 14, 2023

Date Reported : Nov 24, 2023

Report Number : 2814320-1

Page 3 of 7

Sample Number 23123376-3
Sampled Date Nov 05, 2023
Sample Description Air Quality
Location บ้านนาบ่อคำ เขตทางหลวงหมายเลข 40
Date Analysis Commenced Nov 15, 2023

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	05/11/23 - 06/11/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	05/11/23 - 06/11/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anuwet Tema

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123376

Date Received : Nov 14, 2023

Date Reported : Nov 24, 2023

Report Number : 2814320-1

Page 4 of 7

Sample Number 23123376-4
Sampled Date Nov 06, 2023
Sample Description Air Quality
Location บ้านนาบ่อคำ เขตทางหลวงหมายเลข 40
Date Analysis Commenced Nov 15, 2023

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	06/11/23 - 07/11/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	06/11/23 - 07/11/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anuwet Tema

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123376

Date Received : Nov 14, 2023

Date Reported : Nov 24, 2023

Report Number : 2814320-1

Page 5 of 7

Sample Number 23123376-5

Sampled Date Nov 07, 2023

Sample Description Air Quality

Location บ้านนาเกลือ ตำบล พังโคน อำเภอเมือง-ใต้

Date Analysis Commenced Nov 15, 2023

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	07/11/23 - 08/11/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	07/11/23 - 08/11/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anuwet Tema

Remark :

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123376

Date Received : Nov 14, 2023

Date Reported : Nov 24, 2023

Report Number : 2814320-1

Page 6 of 7

Sample Number 23123376-6

Sampled Date Nov 08, 2023

Sample Description Air Quality

Location บ้านนาเกลือ ตำบล พังโคน อำเภอเมือง-ใต้

Date Analysis Commenced Nov 15, 2023

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	08/11/23 - 09/11/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	08/11/23 - 09/11/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anuwet Tema

Remark :

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Analysis / Test Report

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

Lot ID: 23123376
Date Received : Nov 14, 2023
Date Reported : Nov 24, 2023
Report Number : 2814320-1

Page 7 of 7

Sample Number 23123376-7
Sampled Date Nov 09, 2023
Sample Description Air Quality
Location บ้านนาบ่อคู พืชทางลมเหนือไร่
Date Analysis Commenced Nov 15, 2023

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	09/11/23 - 10/11/23	ppm	-	1.0	<1.0	Based on ASTM, D 2712	Bangkok
Propane	09/11/23 - 10/11/23	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anuwet Tema

Remark :

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

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Saranya C.

Saranya Chalembamrong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123377

Date Received :Nov 14, 2023

Date Reported :Nov 22, 2023

Report Number :2814321-1

Page 1 of 2

Sample Number 23123377-1 to 7
Parameter Wind Speed / Wind Direction
Location โรงเรียนบ้านหนองแฟบ ทิศทางลมตะวันตกเฉียงใต้
Sampling Date Nov 03 - Nov 10, 2023
Sampling by Anuwet Tema

Time	Nov 03 - Nov 04, 2023			Nov 04 - Nov 05, 2023			Nov 05 - Nov 06, 2023			Nov 06 - Nov 07, 2023			Nov 07 - Nov 08, 2023			Nov 08 - Nov 09, 2023			Nov 09 - Nov 10, 2023		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
01:00 PM - 02:00 PM	0.8	36.0	NE	1.4	251.0	WSW	0.6	86.0	E	0.8	82.0	E	0.3	110.0	ESE	1.2	38.0	NE	1.3	36.0	NE
02:00 PM - 03:00 PM	0.5	16.0	NNE	0.0	-	-	0.5	62.0	ENE	0.3	86.0	E	0.7	94.0	E	0.9	42.0	NE	1.1	290.0	WNW
03:00 PM - 04:00 PM	1.4	13.0	NNE	0.2	-	-	1.7	116.0	ESE	0.7	109.0	ESE	0.6	106.0	ESE	0.4	65.0	ENE	0.5	319.0	NW
04:00 PM - 05:00 PM	0.2	-	-	1.0	218.0	SW	1.4	42.0	NE	0.2	-	-	1.6	108.0	ESE	0.6	43.0	NE	0.9	314.0	NW
05:00 PM - 06:00 PM	0.1	-	-	0.0	-	-	1.5	117.0	ESE	0.1	-	-	0.3	37.0	NE	1.1	92.0	E	0.2	-	-
06:00 PM - 07:00 PM	1.0	74.0	ENE	0.0	-	-	0.2	-	-	0.3	103.0	ESE	0.0	-	-	1.0	34.0	NE	0.6	315.0	NW
07:00 PM - 08:00 PM	1.0	83.0	E	0.3	230.0	SW	0.5	125.0	SE	0.1	-	-	0.3	53.0	NE	1.0	25.0	NNE	0.7	304.0	NW
08:00 PM - 09:00 PM	0.1	-	-	0.2	-	-	0.6	114.0	ESE	0.1	-	-	0.2	-	-	0.3	36.0	NE	0.4	75.0	ENE
09:00 PM - 10:00 PM	0.2	-	-	0.1	-	-	0.1	-	-	0.2	-	-	0.7	41.0	NE	0.4	22.0	NNE	0.0	-	-
10:00 PM - 11:00 PM	0.3	88.0	E	0.3	346.0	NNW	0.1	-	-	0.3	26.0	NNE	0.6	80.0	E	0.1	-	-	0.3	37.0	NE
11:00 PM - 12:00 AM	0.2	-	-	0.6	232.0	SW	0.3	235.0	SW	0.0	-	-	0.3	19.0	NNE	0.2	-	-	0.6	26.0	NNE
12:00 AM - 01:00 AM	1.0	43.0	NE	0.2	-	-	0.2	-	-	0.4	31.0	NNE	0.1	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.1	-	-	0.1	-	-	0.2	-	-	0.5	29.0	NNE	0.3	114.0	ESE	1.2	20.0	NNE	0.2	-	-
02:00 AM - 03:00 AM	0.2	-	-	0.1	-	-	0.5	148.0	SSE	0.0	-	-	0.8	123.0	ESE	1.0	26.0	NNE	0.0	-	-
03:00 AM - 04:00 AM	0.3	26.0	NNE	0.6	254.0	WSW	0.0	-	-	0.5	33.0	NNE	0.7	135.0	SE	0.8	105.0	ESE	1.2	352.0	N
04:00 AM - 05:00 AM	0.9	39.0	NE	0.4	277.0	W	0.3	25.0	NNE	0.7	10.0	N	0.4	242.0	WSW	1.1	50.0	NE	0.0	-	-
05:00 AM - 06:00 AM	1.1	34.0	NE	0.1	-	-	0.1	-	-	0.4	28.0	NNE	0.0	-	-	1.3	51.0	NE	0.7	349.0	N
06:00 AM - 07:00 AM	1.0	19.0	NNE	0.1	-	-	0.3	146.0	SE	0.7	31.0	NNE	0.7	325.0	NW	1.2	69.0	ENE	0.2	-	-
07:00 AM - 08:00 AM	0.3	38.0	NE	0.1	-	-	0.5	158.0	SSE	0.9	26.0	NNE	0.0	-	-	0.9	285.0	WNW	1.0	31.0	NNE
08:00 AM - 09:00 AM	0.1	-	-	0.7	248.0	WSW	0.4	129.0	SE	0.2	-	-	0.0	-	-	1.4	268.0	W	1.0	31.0	NNE
09:00 AM - 10:00 AM	0.5	21.0	NNE	0.3	244.0	WSW	0.3	109.0	ESE	0.8	223.0	SW	0.2	-	-	0.8	28.0	NNE	1.2	27.0	NNE
10:00 AM - 11:00 AM	0.6	265.0	W	0.6	256.0	WSW	0.3	118.0	ESE	1.5	100.0	E	0.5	256.0	WSW	0.9	15.0	NNE	0.8	23.0	NNE
11:00 AM - 12:00 PM	1.9	271.0	W	0.0	-	-	1.0	136.0	SE	1.1	103.0	ESE	0.5	115.0	ESE	1.5	350.0	N	0.7	18.0	NNE
12:00 PM - 01:00 PM	1.4	264.0	W	0.2	-	-	0.6	62.0	ENE	0.5	104.0	ESE	1.1	103.0	ESE	1.6	357.0	N	0.3	126.0	SE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123377

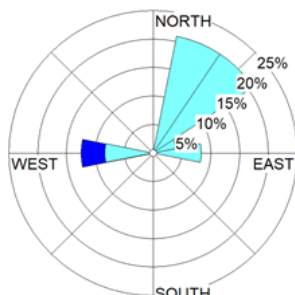
Date Received : Nov 14, 2023

Date Reported : Nov 22, 2023

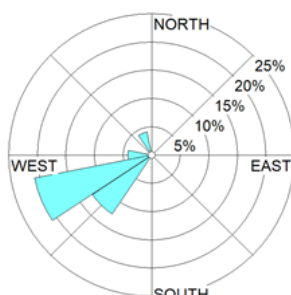
Report Number : 2814321-1

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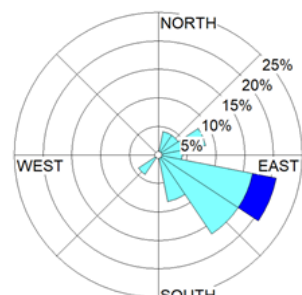
Wind Rose



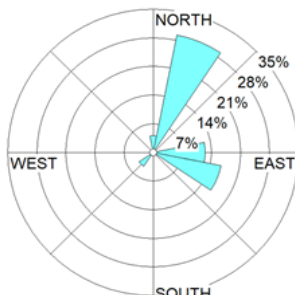
Date : Nov 03-04, 2023



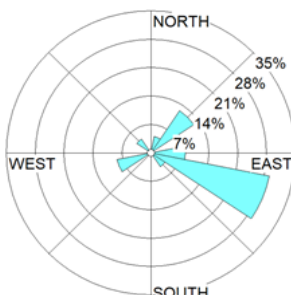
Date : Nov 04-05, 2023



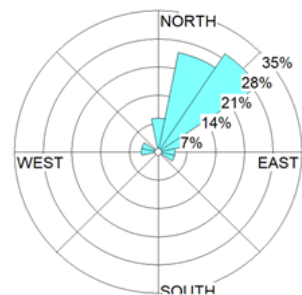
Date : Nov 05-06, 2023



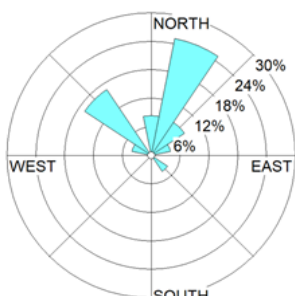
Date : Nov 06-07, 2023



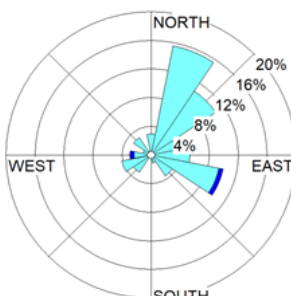
Date : Nov 07-08, 2023



Date : Nov 08-09, 2023



Date : Nov 09-10, 2023



Date : Nov 03-10, 2023

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	1.19
0.3-1.7	66.67
Calms	32.14

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123378

Date Received : Nov 14, 2023

Date Reported : Nov 22, 2023

Report Number : 2814323-1

Page 1 of 2

Sample Number : 23123378-1 to 7
Parameter : Wind Speed / Wind Direction
Location : บ้านนาบขลุ่ย ทิศทางลมเหนือ-ใต้
Sampling Date : Nov 03 - Nov 10, 2023
Sampling by : Anuwet Tema

Time	Nov 03 - Nov 04, 2023			Nov 04 - Nov 05, 2023			Nov 05 - Nov 06, 2023			Nov 06 - Nov 07, 2023			Nov 07 - Nov 08, 2023			Nov 08 - Nov 09, 2023			Nov 09 - Nov 10, 2023		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
01:00 PM - 02:00 PM	0.3	313.0	NW	0.1	-	-	1.2	228.0	SW	1.4	210.0	SSW	0.8	219.0	SW	0.9	130.0	SE	0.4	258.0	WSW
02:00 PM - 03:00 PM	0.6	335.0	NNW	0.3	349.0	N	0.0	-	-	0.2	-	-	0.8	310.0	NW	0.6	278.0	W	1.0	332.0	NNW
03:00 PM - 04:00 PM	0.7	332.0	NNW	0.1	-	-	0.7	320.0	NW	0.6	255.0	WSW	0.8	340.0	NNW	1.3	323.0	NW	0.9	332.0	NNW
04:00 PM - 05:00 PM	0.3	301.0	WNW	0.4	272.0	W	0.0	-	-	0.6	249.0	WSW	0.0	-	-	1.6	266.0	W	0.2	-	-
05:00 PM - 06:00 PM	0.3	297.0	WNW	0.5	275.0	W	0.1	-	-	1.3	248.0	WSW	1.4	11.0	N	2.4	267.0	W	0.6	333.0	NNW
06:00 PM - 07:00 PM	0.5	253.0	WSW	0.3	344.0	NNW	0.4	82.0	E	1.2	246.0	WSW	0.0	-	-	0.7	266.0	W	0.6	7.0	N
07:00 PM - 08:00 PM	0.5	353.0	N	0.8	345.0	NNW	0.6	61.0	ENE	0.6	246.0	WSW	0.1	-	-	0.8	259.0	W	0.9	342.0	NNW
08:00 PM - 09:00 PM	0.4	291.0	WNW	0.7	353.0	N	0.5	282.0	WNW	0.6	247.0	WSW	0.4	17.0	NNE	1.5	279.0	W	0.6	340.0	NNW
09:00 PM - 10:00 PM	0.3	22.0	NNE	0.8	11.0	N	0.5	310.0	NW	0.4	246.0	WSW	0.2	-	-	0.7	266.0	W	0.6	307.0	NW
10:00 PM - 11:00 PM	0.2	-	-	1.0	18.0	NNE	0.5	226.0	SW	0.1	-	-	0.1	-	-	1.1	207.0	SSW	0.7	300.0	WNW
11:00 PM - 12:00 AM	0.7	326.0	NW	0.5	32.0	NNE	0.6	307.0	NW	0.0	-	-	0.1	-	-	1.1	209.0	SSW	0.6	218.0	SW
12:00 AM - 01:00 AM	0.5	261.0	W	0.7	0.0	N	0.4	270.0	W	0.5	10.0	N	0.1	-	-	0.6	208.0	SSW	0.6	64.0	ENE
01:00 AM - 02:00 AM	0.7	261.0	W	0.4	283.0	WNW	0.1	-	-	0.8	106.0	ESE	0.0	-	-	0.7	207.0	SSW	0.5	347.0	NNW
02:00 AM - 03:00 AM	0.7	261.0	W	1.0	336.0	NNW	0.6	55.0	NE	0.6	7.0	N	0.6	230.0	SW	0.9	208.0	SSW	0.6	105.0	ESE
03:00 AM - 04:00 AM	0.9	264.0	W	0.2	-	-	0.6	159.0	SSE	0.7	346.0	NNW	0.9	229.0	SW	1.4	207.0	SSW	0.6	258.0	WSW
04:00 AM - 05:00 AM	0.9	262.0	W	0.2	-	-	0.5	279.0	W	0.1	-	-	0.6	231.0	SW	0.0	-	-	0.8	217.0	SW
05:00 AM - 06:00 AM	0.5	262.0	W	0.7	262.0	W	0.5	278.0	W	0.1	-	-	0.3	230.0	SW	0.5	40.0	NE	0.6	330.0	NNW
06:00 AM - 07:00 AM	0.6	264.0	W	0.6	260.0	W	0.8	277.0	W	0.3	51.0	NE	0.4	230.0	SW	0.2	-	-	0.6	221.0	SW
07:00 AM - 08:00 AM	0.4	230.0	SW	0.2	-	-	0.8	220.0	SW	0.2	-	-	0.1	-	-	1.9	223.0	SW	0.9	246.0	WSW
08:00 AM - 09:00 AM	0.5	239.0	WSW	0.3	145.0	SE	0.5	267.0	W	0.1	-	-	0.1	-	-	0.9	85.0	E	0.1	-	-
09:00 AM - 10:00 AM	0.7	240.0	WSW	0.8	172.0	S	0.6	285.0	WNW	0.0	-	-	0.6	256.0	WSW	1.3	43.0	NE	0.1	-	-
10:00 AM - 11:00 AM	1.6	357.0	N	0.5	299.0	WNW	0.3	164.0	SSE	0.6	225.0	SW	0.1	-	-	0.0	-	-	0.2	-	-
11:00 AM - 12:00 PM	0.9	53.0	NE	0.8	279.0	W	0.5	172.0	S	0.7	228.0	SW	0.0	-	-	0.2	-	-	0.2	-	-
12:00 PM - 01:00 PM	1.1	48.0	NE	0.5	252.0	WSW	0.3	210.0	SSW	0.6	265.0	W	0.5	232.0	SW	1.0	80.0	E	0.1	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 23123378

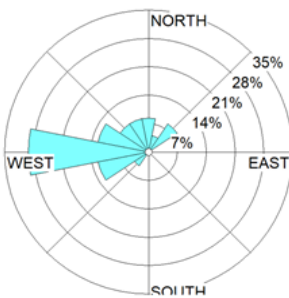
Date Received : Nov 14, 2023

Date Reported : Nov 22, 2023

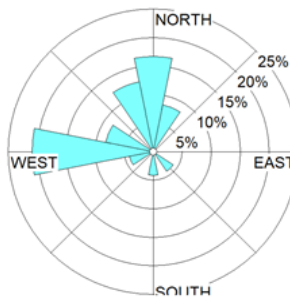
Report Number : 2814323-1

Page 2 of 2

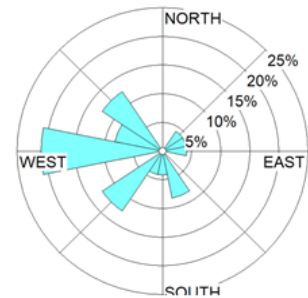
Wind Rose



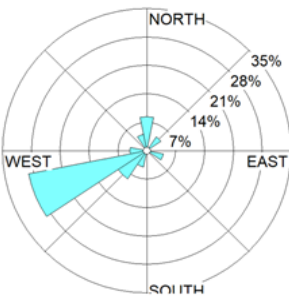
Date : Nov 03-04, 2023



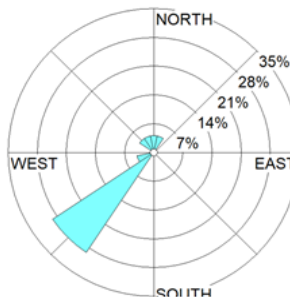
Date : Nov 04-05, 2023



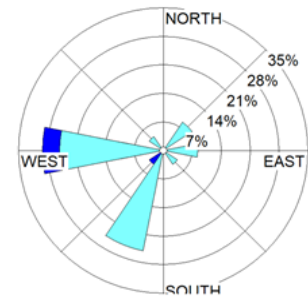
Date : Nov 05-06, 2023



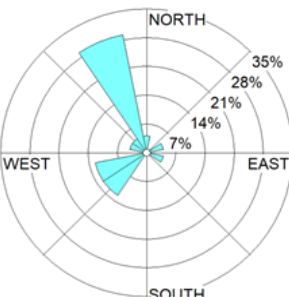
Date : Nov 06-07, 2023



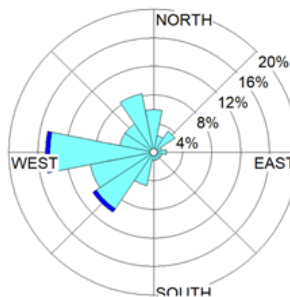
Date : Nov 07-08, 2023



Date : Nov 08-09, 2023



Date : Nov 09-10, 2023



Date : Nov 03-10, 2023

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	1.19
0.3-1.7	75.00
Calms	23.81

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Approved by

Sarayuth Jittrantont
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: 2369897

Date Received : Jul 04, 2023

Date Reported : Jul 13, 2023

Report Number : 2686816-1 C1

Page 1 of 2

Sample Number	2369897-1						
Sampling Date	Jul 04, 2023 10:37 AM						
Sample Description	Wastewater						
Location	บ่อดักไขมันอุตสาหกรรม (Check Pond)						
Date Analysis Commenced	Jul 04, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	35.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	280	≤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	12	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Chongchon

Dej Changchon
Manager

ทะเบียนเลขที่ ว-225-ค-5283

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Life Sciences

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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: 2369897

Date Received : Jul 04, 2023

Date Reported : Jul 13, 2023

Report Number : 2686816-2 C1

Page 1 of 1

Sample Number	2369897-1						
Sampling Date	Jul 04, 2023 10:37 AM						
Sample Description	Wastewater						
Location	บ่อดักไขมันอุตสาหกรรม (Check Pond)						
Date Analysis Commenced	Jul 04, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	135	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.000	No Standard	Flow meter	Rayong
Total Organic Carbon	mg/L	0.01	0.1	3.47	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Wanlop Hunchainaw , Kardsundit Kitisupavanit

Remark :

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

Approved by

Siriluk P.

Siriluk Puenggang
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : LDPE_S1

Lot ID: 2384320

Date Received : Aug 04, 2023

Date Reported : Aug 15, 2023

Report Number : 2722581-1 C1

Page 1 of 2

Sample Number	2384320-1						
Sampling Date	Aug 04, 2023 10:40 AM						
Sample Description	Wastewater						
Location	บ่อดักไขมันอุตสาหกรรม (Check Pond)						
Date Analysis Commenced	Aug 04, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	34.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	376	≤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	25	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager

ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : LDPE_S1

Lot ID: 2384320

Date Received : Aug 04, 2023

Date Reported : Aug 15, 2023

Report Number : 2722581-2 C1

Page 1 of 1

Sample Number	2384320-1						
Sampling Date	Aug 04, 2023 10:40 AM						
Sample Description	Wastewater						
Location	บ่อดักไขมันอุตสาหกรรม (Check Pond)						
Date Analysis Commenced	Aug 04, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	152	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Total Organic Carbon	mg/L	0.01	0.1	7.34	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Sansoen Khuiyoksui , Thanasoun Namakunna

Remark :

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

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Approved by

Siriluk P.

Siriluk Puengpan
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1



TESTING

No.0042

Lot ID: 2395906

Date Received : Sep 08, 2023

Date Reported : Sep 15, 2023

Report Number : 2746947-1

Page 1 of 2

Sample Number	2395906-1						
Sampled Date	Sep 08, 2023 11:05 AM						
Sample Description	Wastewater						
Location	Final Check Pond ของโรงงาน LDPE						
Date Analysis Commenced	Sep 08, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.1	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	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	7	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	34.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	516	≤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	28	≤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 3-323-3-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ 3-323-3-9442

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2395906

Date Received : Sep 08, 2023

Date Reported : Sep 16, 2023

Report Number : 2746947-2

Page 1 of 1

Sample Number	2395906-1						
Sampled Date	Sep 08, 2023 11:05 AM						
Sample Description	Wastewater						
Location	Final Check Pond ของโรงงาน LDPE						
Date Analysis Commenced	Sep 08, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	158	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Total Organic Carbon	mg/L	0.01	0.1	9.76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Paramet Sattayakun , Thanasoun Namakunna

Remark :

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

Approved by

Siriluk P.

Siriluk Puengpang

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 : 5002206654, 5002206780

Project Name : Environmental Monitoring

Project Location : LDPE_S1



TESTING

No.0042

Lot ID: 23110594

Date Received : Oct 06, 2023

Date Reported : Oct 24, 2023

Report Number : 2784696-1 C1

Page 1 of 1

Sample Number	23110594-1
Sampled Date	Oct 06, 2023 10:54 AM
Sample Description	Wastewater
Location	บ่อตรวจวัดคุณภาพน้ำ (Check Pond)
Date Analysis Commenced	Oct 06, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Color (at Original pH)	ADMI	-	5	7	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	6	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.8	≤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	306	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Sampled By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-8592

Remark :

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

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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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 : HDPE1



TESTING

No.0042

Lot ID: 23121015

Date Received : Oct 18, 2023

Date Reported : Oct 24, 2023

Report Number : 2809159-1

Page 2 of 3

Sample Number	23121015-2
Sampled Date	Oct 18, 2023 10:25 AM
Sample Description	Wastewater
Location	Final Check Pond ของโรงงาน LDPE
Date Analysis Commenced	Oct 19, 2023
Condition of Sample	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	27	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 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 ทะเบียนเลขที่ ว-323-จ-9476

Remark :

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

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

TESTING

No.0042

Lot ID: 23122362

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2812463-1

Page 1 of 2

Sample Number	23122362-1						
Sampled Date	Nov 01, 2023 10:48 AM						
Sample Description	Wastewater						
Location	Final Check Pond ของโรงงาน LDPE						
Date Analysis Commenced	Nov 01, 2023						
Condition of Sample	Contained in one amber glass bottle, four glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	13	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	34.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	532	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

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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

TESTING

No.0042

Lot ID: 23128926

Date Received : Dec 08, 2023

Date Reported : Dec 16, 2023

Report Number : 2825464-1 C1

Page 1 of 2

Sample Number	23128926-1						
Sampling Date	Dec 08, 2023 10:50 AM						
Sample Description	Wastewater						
Location	บ่อดักไขมันคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Dec 08, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	26	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	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 *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	468	≤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	9	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Chanchon

Dej Chanchon
Manager

ทะเบียนเลขที่ ว-225-จ-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: 23128926

Date Received : Dec 08, 2023

Date Reported : Dec 16, 2023

Report Number : 2825464-2 C1

Page 1 of 1

Sample Number	23128926-1						
Sampling Date	Dec 08, 2023 10:50 AM						
Sample Description	Wastewater						
Location	บ่อดักตรวจสอบคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Dec 08, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	148	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.014	No Standard	Flow meter	Rayong
Total Organic Carbon	mg/L	0.01	0.1	6.84	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5310 B	Bangkok

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

Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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

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

Approved by


Suwimon Chairuangwut
Scientist (3)

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ระดับเสียงทั่วไป



TESTING
No.0042

Lot ID: 23122080

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841074-1



Analysis / Test Report

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

Page 1 of 1

Sample Number	23122080-1
Parameter	Noise (Leq 24 hrs.)
Location	อาคารสำนักงานกลุ่มโรงงาน TPE Site#1
Measurement Date	Nov 03 - Nov 04, 2023
Measurement by	Anuwet Tema
Sound Level meter	Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.6	75.9	56.7
11:00 AM - 12:00 PM	58.1	71.1	56.0
12:00 PM - 01:00 PM	58.7	76.7	57.0
01:00 PM - 02:00 PM	58.1	84.1	56.2
02:00 PM - 03:00 PM	58.1	82.8	55.9
03:00 PM - 04:00 PM	58.5	76.9	55.9
04:00 PM - 05:00 PM	58.3	73.2	56.3
05:00 PM - 06:00 PM	58.3	77.5	55.4
06:00 PM - 07:00 PM	57.5	73.9	55.2
07:00 PM - 08:00 PM	59.2	84.8	55.5
08:00 PM - 09:00 PM	62.0	88.2	57.0
09:00 PM - 10:00 PM	58.4	85.7	56.4
10:00 PM - 11:00 PM	57.1	72.1	55.7
11:00 PM - 12:00 AM	56.9	72.4	55.4
12:00 AM - 01:00 AM	58.0	86.6	55.5
01:00 AM - 02:00 AM	58.1	84.7	56.5
02:00 AM - 03:00 AM	56.0	67.0	55.0
03:00 AM - 04:00 AM	56.9	66.1	56.2
04:00 AM - 05:00 AM	55.6	67.8	54.5
05:00 AM - 06:00 AM	57.6	67.4	56.5
06:00 AM - 07:00 AM	59.7	79.6	56.7
07:00 AM - 08:00 AM	60.1	78.9	57.5
08:00 AM - 09:00 AM	57.7	70.8	55.3
09:00 AM - 10:00 AM	58.1	75.1	56.3

Leq Average 24 hrs. (dB(A))	58.4
-----------------------------	------

Lmax (dB(A))	88.2
L90 (dB(A))	56.0
Ldn (dB(A))	64.1
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Thanitak.

Technical Management

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot Salamteh
Section Head

Life Sciences

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TESTING
No.0042

Lot ID: 23122080

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841075-1



Analysis / Test Report

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

Page 1 of 1

Sample Number	23122080-2
Parameter	Noise (Leq 24 hrs.)
Location	อาคารสำนักงานกลุ่มโรงงาน TPE Site#1
Measurement Date	Nov 04 - Nov 05, 2023
Measurement by	Anuwet Tema
Sound Level meter	Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.5	75.6	55.5
11:00 AM - 12:00 PM	58.6	81.4	55.9
12:00 PM - 01:00 PM	71.5	109.3	56.3
01:00 PM - 02:00 PM	67.0	102.1	57.1
02:00 PM - 03:00 PM	59.0	71.2	57.7
03:00 PM - 04:00 PM	59.0	72.4	57.4
04:00 PM - 05:00 PM	58.9	73.4	56.4
05:00 PM - 06:00 PM	58.0	80.2	54.9
06:00 PM - 07:00 PM	57.9	76.8	56.0
07:00 PM - 08:00 PM	57.6	75.0	54.7
08:00 PM - 09:00 PM	58.0	76.4	56.5
09:00 PM - 10:00 PM	57.1	75.5	55.9
10:00 PM - 11:00 PM	56.9	67.7	56.2
11:00 PM - 12:00 AM	55.4	64.1	54.3
12:00 AM - 01:00 AM	56.5	67.6	55.8
01:00 AM - 02:00 AM	55.6	65.5	54.8
02:00 AM - 03:00 AM	56.5	73.2	55.8
03:00 AM - 04:00 AM	55.5	71.4	54.6
04:00 AM - 05:00 AM	56.7	65.7	55.9
05:00 AM - 06:00 AM	56.1	67.9	54.4
06:00 AM - 07:00 AM	59.6	76.4	57.4
07:00 AM - 08:00 AM	59.3	77.6	56.0
08:00 AM - 09:00 AM	58.2	69.4	56.5
09:00 AM - 10:00 AM	56.9	77.1	54.1

Leq Average 24 hrs. (dB(A))	61.2
-----------------------------	------

Lmax (dB(A))	109.3
L90 (dB(A))	55.9
Ldn (dB(A))	64.7
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Thanitak.

Technical Management

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot Salamteh
Section Head

Life Sciences

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S:\Reports_Air Noise pr (3.37PM)



Analysis / Test Report

TESTING
No.0042

Lot ID: 23122080

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 284107b-1



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

Page 1 of 1

Sample Number	23122080-3
Parameter	Noise dLe 24 hrs.#
Location	อาคารสำนักงานของโรงงาน TPE Site#1
Measurement Date	Nov 05 - Nov 06, 2023
Measurement by	Anu9 et Tema
Sound Level meter	Serial No. B00072

Time	Le dBA#	Lmax dBA#	LBO dBA#
10:00 AM - 11:00 AM	58.5	78.8	58.0
11:00 AM - 12:00 PM	57.3	72.8	53.8
12:00 PM - 01:00 PM	57.3	74.8	54.7
01:00 PM - 02:00 PM	56.6	70.8	54.1
02:00 PM - 03:00 PM	57.3	74.2	54.8
03:00 PM - 04:00 PM	57.7	74.3	54.8
04:00 PM - 05:00 PM	58.2	84.7	56.3
05:00 PM - 06:00 PM	57.3	72.1	55.5
06:00 PM - 07:00 PM	57.6	78.2	55.8
07:00 PM - 08:00 PM	57.3	74.6	55.7
08:00 PM - 09:00 PM	57.2	78.4	54.6
09:00 PM - 10:00 PM	57.5	82.6	56.1
10:00 PM - 11:00 PM	56.8	76.8	55.7
11:00 PM - 12:00 AM	56.0	68.8	54.5
12:00 AM - 01:00 AM	56.2	81.5	54.5
01:00 AM - 02:00 AM	56.0	65.4	54.8
02:00 AM - 03:00 AM	55.8	72.1	54.8
03:00 AM - 04:00 AM	56.2	70.8	55.2
04:00 AM - 05:00 AM	56.3	67.3	54.8
05:00 AM - 06:00 AM	57.8	78.8	56.5
06:00 AM - 07:00 AM	58.3	76.2	56.5
07:00 AM - 08:00 AM	61.1	80.0	57.5
08:00 AM - 09:00 AM	58.0	75.5	54.7
09:00 AM - 10:00 AM	58.8	78.8	56.6

Le Average 24 hrs. dBA#	57.7
Lmax dBA#	84.7
LBO dBA#	54.8
Ldn dBA#	63.5
Standard dBA#	70
Reference Method	: ISO1888-1 and 1888-2
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540/เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ควรหลีกเลี่ยงจากการรบกวน โรงงาน พ.ศ. 2548
Remark	: The laboratory has been accepted as an accredited laboratory complying 9th the ISO/IEC 17025.

Thanitak.

Technical Management

Thanita Kulsuri9 ong
Scientist q#

Approved by

Supot Salameh
Section Head

Life Sciences

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S:\Reports_Air Noise pr / (3.39PM)



Analysis / Test Report

TESTING
No.0042

Lot ID: 23122081

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841077-1



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

Page 1 of 1

Sample Number	23122081-1
Parameter	Noise (Leq 24 hrs.)
Location	อาคารสำนักงานของโรงงาน TPE Site#1
Measurement Date	Nov 06 - Nov 07, 2023
Measurement by	Anu9 et Tema
Sound Level meter	Serial No. B00072

Time	Leq dBA	Lmax dBA	LBO dBA
10:00 AM - 11:00 AM	57.8	74.0	55.1
11:00 AM - 12:00 PM	58.7	78.0	56.3
12:00 PM - 01:00 PM	58.1	78.3	55.3
01:00 PM - 02:00 PM	58.2	75.0	56.5
02:00 PM - 03:00 PM	57.0	72.2	54.2
03:00 PM - 04:00 PM	58.0	83.0	57.0
04:00 PM - 05:00 PM	57.8	72.6	55.8
05:00 PM - 06:00 PM	57.8	70.5	55.8
06:00 PM - 07:00 PM	57.6	74.7	55.0
07:00 PM - 08:00 PM	57.8	76.1	56.0
08:00 PM - 09:00 PM	57.5	76.0	54.4
09:00 PM - 10:00 PM	57.3	74.6	55.4
10:00 PM - 11:00 PM	56.4	68.7	54.4
11:00 PM - 12:00 AM	56.6	78.3	55.0
12:00 AM - 01:00 AM	57.1	73.2	55.8
01:00 AM - 02:00 AM	57.1	78.8	56.0
02:00 AM - 03:00 AM	56.6	75.4	55.1
03:00 AM - 04:00 AM	56.4	73.3	55.3
04:00 AM - 05:00 AM	57.0	76.8	54.6
05:00 AM - 06:00 AM	57.4	76.1	55.4
06:00 AM - 07:00 AM	58.5	75.0	57.2
07:00 AM - 08:00 AM	58.6	75.5	56.8
08:00 AM - 09:00 AM	58.0	76.8	55.3
09:00 AM - 10:00 AM	58.3	75.3	55.7

Leq Average 24 hrs. dBA	57.8
Lmax dBA	83.0
LBO dBA	55.4
Ldn dBA	68.8
Standard dBA	70
Reference Method	: ISO1888-1 and 1888-2
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ควรหลีกเลี่ยงจากการรบกวน โรงงาน พ.ศ. 2548
Remark	: The laboratory has been accepted as an accredited laboratory complying 9th the ISO/IEC 17025.

Thanitak.

Technical Management

Thanita Kulsuri9 ong
Scientist (4)

Approved by

Supot Salameh
Section Head

Life Sciences

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Analysis / Test Report

TESTING
No.0042

Lot ID: 23122081

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841078-1



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

Page 1 of 1

Sample Number	23122081-2
Parameter	Noise (Leq 24 hrs.)
Location	อาคารสำนักงานกลุ่มโรงงาน TPE Site#1
Measurement Date	Nov 07 - Nov 08, 2023
Measurement by	Anuwet Tema
Sound Level meter	Serial No. 900072

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.1	81.0	55.4
11:00 AM - 12:00 PM	58.1	75.9	55.2
12:00 PM - 01:00 PM	64.3	88.8	57.6
01:00 PM - 02:00 PM	59.2	77.9	56.8
02:00 PM - 03:00 PM	59.3	75.1	57.0
03:00 PM - 04:00 PM	59.9	74.0	56.7
04:00 PM - 05:00 PM	60.1	75.0	58.1
05:00 PM - 06:00 PM	59.7	79.2	57.3
06:00 PM - 07:00 PM	59.1	85.1	56.9
07:00 PM - 08:00 PM	58.6	74.5	56.4
08:00 PM - 09:00 PM	58.4	74.4	56.6
09:00 PM - 10:00 PM	58.5	75.5	55.7
10:00 PM - 11:00 PM	58.5	71.1	57.0
11:00 PM - 12:00 AM	57.6	80.1	55.9
12:00 AM - 01:00 AM	57.6	74.1	56.7
01:00 AM - 02:00 AM	57.0	70.9	55.7
02:00 AM - 03:00 AM	56.9	61.4	56.3
03:00 AM - 04:00 AM	56.6	72.7	55.7
04:00 AM - 05:00 AM	57.5	73.0	56.7
05:00 AM - 06:00 AM	57.4	70.1	55.6
06:00 AM - 07:00 AM	60.1	73.4	58.1
07:00 AM - 08:00 AM	59.5	77.2	56.5
08:00 AM - 09:00 AM	59.2	79.6	58.9
09:00 AM - 10:00 AM	58.2	77.6	55.9

Leq Average 24 hrs. (dB(A))	59.1
Lmax (dB(A))	88.8
L90 (dB(A))	56.6
Ldn (dB(A))	64.6
Standard (dB(A))	70
Reference Method	: ISO1996-1 and 1996-2
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงจากโรงงาน และระดับเสียงที่เกิดจากกิจกรรมการก่อสร้าง โรงงาน พ.ศ. 2548
Remark	: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Thanitak.

Technical Management

Thanita Kulsriwong
Scientist (4)

Approved by

Supot Salamteh
Section Head

Life Sciences

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S:\Reports_Air Noise pr (3.40PM)



Analysis / Test Report

TESTING
No.0042

Lot ID: 23122081

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Numf er: 2841078-1



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

Page 1 of 1

Sample Number	23122081-3
Parameter	Noise (Le) 24 hrs.#
Location	อาคารสำนักงานกลุ่มโรงงาน TPE Site#1
Measurement Date	Nov 08 - Nov 09, 2023
Measurement by	Anu9 et Tema
Sound Level meter	Serial No. b00072

Time	Le) dB(A)##	Lmax dB(A)##	Lb0 dB(A)##
10:00 AM - 11:00 AM	58.7	76.5	57.0
11:00 AM - 12:00 PM	65.7	85.5	55.7
12:00 PM - 01:00 PM	58.3	78.6	56.4
01:00 PM - 02:00 PM	57.8	73.0	55.4
02:00 PM - 03:00 PM	58.2	77.1	55.5
03:00 PM - 04:00 PM	60.6	84.2	56.6
04:00 PM - 05:00 PM	56.6	76.3	57.5
05:00 PM - 06:00 PM	58.1	75.1	56.4
06:00 PM - 07:00 PM	58.3	75.3	56.5
07:00 PM - 08:00 PM	58.0	72.2	55.8
08:00 PM - 09:00 PM	58.0	75.1	55.8
09:00 PM - 10:00 PM	56.6	76.6	54.7
10:00 PM - 11:00 PM	56.6	83.2	55.5
11:00 PM - 12:00 AM	57.2	83.8	55.6
12:00 AM - 01:00 AM	58.0	82.6	56.8
01:00 AM - 02:00 AM	57.4	84.6	55.6
02:00 AM - 03:00 AM	56.4	76.7	55.3
03:00 AM - 04:00 AM	55.3	81.5	53.6
04:00 AM - 05:00 AM	56.1	63.5	55.2
05:00 AM - 06:00 AM	57.2	76.7	55.0
06:00 AM - 07:00 AM	60.4	78.1	58.3
07:00 AM - 08:00 AM	60.2	80.5	57.0
08:00 AM - 09:00 AM	58.6	77.6	56.6
09:00 AM - 10:00 AM	58.4	72.4	56.1

Le) Average 24 hrs. dB(A)##	58.0
Lmax dB(A)##	85.5
Lb0 dB(A)##	55.5
Ldn dB(A)##	64.3
Standard dB(A)##	115
Reference Method	: ISO1996-1 and 1996-2
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540#ซึ่งกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงจากโรงงาน และระดับเสียงที่เกิดจากกิจกรรมการก่อสร้าง โรงงาน พ.ศ. 2548
Remark	: The laf oratory has been accepted as an accredited laf oratory complying 9th the ISO/IEC 17025.

Thanitak.

Technical Management

Thanita Kulsriwong
Scientist qt#

Approved by

Supot Salamteh
Section Head

Life Sciences

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S:\Reports_Air Noise pr (3.40PM)



Analysis / Test Report

TESTING
No.0042

Lot ID: 23122081

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Num7er: 2841080-1



Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number 23122081-4

Parameter Noise fLeq 24 hrs.q

Location อาคารสำนักงานของโรงงาน TPE Site 1

Measurement Date Nov 0# - Nov 10, 2023

Measurement by Anuwet Tema

Sound Level meter Serial No. #00092

Time	Leq fdBfAq	Lmax fdBfAq	L#0 fdBfAq
10:00 AM - 11:00 AM	58.9	80.9	56.8
11:00 AM - 12:00 PM	58.9	99.6	56.8
12:00 PM - 01:00 PM	62.8	44.2	59.9
01:00 PM - 02:00 PM	66.6	48.0	59.8
02:00 PM - 03:00 PM	54.3	94.3	59.1
03:00 PM - 04:00 PM	54.0	98.8	55.6
04:00 PM - 05:00 PM	58.0	96.8	59.2
05:00 PM - 06:00 PM	54.8	83.6	59.3
06:00 PM - 07:00 PM	54.5	95.6	59.9
07:00 PM - 08:00 PM	58.2	92.1	55.8
08:00 PM - 09:00 PM	58.8	96.1	56.8
09:00 PM - 10:00 PM	59.8	90.8	55.8
10:00 PM - 11:00 PM	58.0	99.9	56.5
11:00 PM - 12:00 AM	56.8	94.3	55.9
12:00 AM - 01:00 AM	56.8	66.4	55.4
01:00 AM - 02:00 AM	55.8	90.0	54.0
02:00 AM - 03:00 AM	56.6	98.5	55.1
03:00 AM - 04:00 AM	55.8	90.6	54.5
04:00 AM - 05:00 AM	56.4	92.2	55.1
05:00 AM - 06:00 AM	59.6	95.1	55.8
06:00 AM - 07:00 AM	54.5	94.3	56.8
07:00 AM - 08:00 AM	60.0	81.2	56.2
08:00 AM - 09:00 AM	54.8	94.9	59.3
09:00 AM - 10:00 AM	54.2	96.9	59.4

Leq Average 24 hrs. fdBfAq

Lmax fdBfAq

L#0 fdBfAq

Ldn fdBfAq

Standard fdBfAq

Reference Method : ISO1 #6-1 and 1 #6-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่วัดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 19025.

Supot Salameh
Section Head

Approved by

Thanita Kulsuriwong
Scientist f4q

Technical Management

Life Sciences

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Analysis / Test Report

TESTING
No.0042

Lot ID: 23123379

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841043-1



Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number 23123379-1

Parameter Noise fLeq 24 hrs.

Location อาคารสำนักงานของโรงงาน LDPE ติดกับถนนของถนน

Measurement Date Nov 03 - Nov 04, 2023

Measurement by Anurak Tongkajonsakda

Sound Level meter Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	65.0	75.2	64.2
03:00 PM - 04:00 PM	66.0	67.8	65.4
04:00 PM - 05:00 PM	64.4	65.6	64.1
05:00 PM - 06:00 PM	64.4	67.7	64.0
06:00 PM - 07:00 PM	65.1	66.7	64.8
07:00 PM - 08:00 PM	66.5	68.7	66.2
08:00 PM - 09:00 PM	66.5	70.6	66.2
09:00 PM - 10:00 PM	68.2	69.4	67.9
10:00 PM - 11:00 PM	67.5	68.1	67.3
11:00 PM - 12:00 AM	66.4	67.0	66.2
12:00 AM - 01:00 AM	66.2	66.9	66.0
01:00 AM - 02:00 AM	64.5	65.2	64.2
02:00 AM - 03:00 AM	66.3	66.9	66.1
03:00 AM - 04:00 AM	63.4	69.7	62.3
04:00 AM - 05:00 AM	64.8	75.3	64.3
05:00 AM - 06:00 AM	63.5	67.7	62.2
06:00 AM - 07:00 AM	64.1	66.1	63.8
07:00 AM - 08:00 AM	63.3	80.0	63.8
08:00 AM - 09:00 AM	64.5	73.0	62.8
09:00 AM - 10:00 AM	62.8	65.5	62.2
10:00 AM - 11:00 AM	63.8	69.2	63.5
11:00 AM - 12:00 PM	64.3	67.8	63.8
12:00 PM - 01:00 PM	67.9	71.7	67.2
01:00 PM - 02:00 PM	68.8	70.9	68.3

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

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

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

Supot Salameh
Section Head

Approved by

Thanita Kulsuriwong
Scientist (4)

Technical Management

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Analysis / Test Report

TESTING
No.0042

Lot ID: 23123379

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841044-1



Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number	23123379-2
Parameter	Noise (Leq 24 hrs.)
Location	พื้นที่ทางวิ่งที่ติดต่อนโรงงาน LDPE ติดกับถนนวงนอก
Measurement Date	Nov 04 - Nov 05, 2023
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	63.6	69.1	62.3
03:00 PM - 04:00 PM	64.0	67.1	63.4
04:00 PM - 05:00 PM	63.4	72.3	62.0
05:00 PM - 06:00 PM	64.1	73.5	63.4
06:00 PM - 07:00 PM	63.1	65.5	62.0
07:00 PM - 08:00 PM	64.4	72.8	63.7
08:00 PM - 09:00 PM	63.4	78.2	62.2
09:00 PM - 10:00 PM	63.6	67.8	63.1
10:00 PM - 11:00 PM	63.1	66.9	61.9
11:00 PM - 12:00 AM	63.7	65.3	63.2
12:00 AM - 01:00 AM	64.4	68.8	63.4
01:00 AM - 02:00 AM	64.6	69.0	63.9
02:00 AM - 03:00 AM	64.3	69.0	63.1
03:00 AM - 04:00 AM	64.4	66.2	63.5
04:00 AM - 05:00 AM	64.5	69.4	63.0
05:00 AM - 06:00 AM	67.8	83.6	63.0
06:00 AM - 07:00 AM	68.2	68.2	62.2
07:00 AM - 08:00 AM	67.3	83.1	65.9
08:00 AM - 09:00 AM	67.4	69.4	65.2
09:00 AM - 10:00 AM	66.9	69.3	64.3
10:00 AM - 11:00 AM	66.0	68.4	63.0
11:00 AM - 12:00 PM	65.1	69.7	62.3
12:00 PM - 01:00 PM	65.6	69.0	62.8
01:00 PM - 02:00 PM	65.0	67.9	62.4
Leq Average 24 hrs. (dB(A))	65.2		
Lmax (dB(A))	83.6		
L90 (dB(A))			63.0
Ldn (dB(A))	71.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Thanitak.

Technical Management

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot Salamteh
Section Head

Life Sciences

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S:\Reports_Air Noise pr (3.26PM)



Analysis / Test Report

TESTING
No.0042

Lot ID: 23123379

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841045-1



Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number	23123379-3
Parameter	Noise (Leq 24 hrs.)
Location	พื้นที่ทางวิ่งที่ติดต่อนโรงงาน LDPE ติดกับถนนวงนอก
Measurement Date	Nov 05 - Nov 06, 2023
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	65.5	70.3	63.1
03:00 PM - 04:00 PM	64.7	69.6	61.8
04:00 PM - 05:00 PM	65.9	82.9	62.7
05:00 PM - 06:00 PM	65.3	79.7	62.8
06:00 PM - 07:00 PM	65.6	70.1	65.1
07:00 PM - 08:00 PM	63.7	67.1	62.3
08:00 PM - 09:00 PM	64.0	66.4	63.8
09:00 PM - 10:00 PM	63.5	68.8	62.3
10:00 PM - 11:00 PM	64.8	70.8	64.3
11:00 PM - 12:00 AM	63.7	66.6	62.5
12:00 AM - 01:00 AM	64.2	66.4	63.9
01:00 AM - 02:00 AM	63.6	69.8	62.7
02:00 AM - 03:00 AM	65.9	70.9	64.3
03:00 AM - 04:00 AM	63.5	66.1	62.8
04:00 AM - 05:00 AM	64.6	65.9	64.4
05:00 AM - 06:00 AM	63.6	65.3	62.6
06:00 AM - 07:00 AM	65.0	66.1	64.7
07:00 AM - 08:00 AM	63.9	65.6	63.7
08:00 AM - 09:00 AM	64.0	65.3	62.7
09:00 AM - 10:00 AM	63.5	69.2	62.6
10:00 AM - 11:00 AM	64.3	69.4	63.7
11:00 AM - 12:00 PM	65.0	67.6	62.7
12:00 PM - 01:00 PM	64.4	67.6	63.4
01:00 PM - 02:00 PM	65.5	67.7	63.0
Leq Average 24 hrs. (dB(A))	64.8		
Lmax (dB(A))	82.9		
L90 (dB(A))			63.0
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) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Thanitak.

Technical Management

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot Salamteh
Section Head

Life Sciences

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S:\Reports_Air Noise pr (3.26PM)



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
Lot ID: 23123379
Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
P/O : PMM-23-11
Project Name : Environmental Monitoring
Report Numf er: 2841046-1

Page 1 of 71

Sample Number	23123369-5		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่ทางวิ่งทางรถไฟสาย 2 ของงาน LDPE ผลิตภัณฑ์พลาสติก		
Measurement Date	Nov 08 - Nov 08, 2023		
Measurement by	Anurak Tongkajonsakda		
Sound Level meter	Serial No. 296518		
	Time	Leq (dB(A))	Lmax (dB(A))
	02:00 PM - 03:00 PM	64.2	69.6
	03:00 PM - 04:00 PM	64.2	62.4
	04:00 PM - 05:00 PM	65.1	65.9
	05:00 PM - 06:00 PM	66.0	68.5
	06:00 PM - 07:00 PM	66.1	68.5
	07:00 PM - 08:00 PM	66.2	61.0
	08:00 PM - 09:00 PM	66.0	68.4
	09:00 PM - 10:00 PM	66.3	68.9
	10:00 PM - 11:00 PM	65.6	68.3
	11:00 PM - 12:00 AM	66.1	66.6
	12:00 AM - 01:00 AM	65.9	68.6
	01:00 AM - 02:00 AM	64.6	66.4
	02:00 AM - 03:00 AM	64.9	66.1
	03:00 AM - 04:00 AM	64.6	66.1
	04:00 AM - 05:00 AM	64.6	65.9
	05:00 AM - 06:00 AM	65.2	66.4
	06:00 AM - 07:00 AM	64.1	65.1
	07:00 AM - 08:00 AM	64.1	65.1
	08:00 AM - 09:00 AM	64.3	66.3
	09:00 AM - 10:00 AM	64.4	66.2
	10:00 AM - 11:00 AM	63.9	66.3
	11:00 AM - 12:00 PM	64.6	69.0
	12:00 PM - 01:00 PM	64.3	69.6
	01:00 PM - 02:00 PM	65.1	65.9
			62.9
			62.4
			64.5
			63.8
			63.3
			63.1
			63.2
			63.6
			62.6
			62.9
			63.6
			63.8
			63.5
			63.5
			64.1
			63.0
			63.3
			63.1
			63.2
			63.0
			63.8
			63.1
			64.6

	Leq Average 24 hrs. (dB(A))	65.1	
	Lmax (dB(A))		bb.6
	L90 (dB(A))		63.2
	L5n (dB(A))	b1.5	
	Standard (dB(A))	b0	115
	Reference Method : ISO 1996-1 and 1996-2		
	Standard :		
	1. ประกาศกระทรวงมหาดไทย เรื่องเสียง พ.ศ. 2540 สำหรับอาคารสาธารณะเสียงโดยทั่วไป		
	2. ประกาศกระทรวงสาธารณสุข เรื่องกำหนดระดับเสียงมาตรฐาน และวิธีคำนวณค่าการประกอบผลกระทบจากเสียง พ.ศ. 2548		
	Remark : The lab oratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.		

Script S.

Technical Management */hanita/* **Approved by**
 Thanita Kulsuriwong
 Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Lot ID: 23123379

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841048-1



Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number	23123379-9
Parameter	Noise (Leq) 24 hrs.k
Location	พื้นที่ทางวิ่งด้านทิศใต้ของโรงงาน LDPE ติดกับถนนวงนอก
Measurement Date	Nov 08 - Nov 09, 2023
Measurement by	Anuraj Tongkhajonsakda
Sound Level meter	Serial No. 29(518)

Time	Leq dBAqk	Lmax dBAqk	L90 dBAqk
02:00 PM - 03:00 PM	(3.7)	(7.2)	(2.9)
03:00 PM - 04:00 PM	(4.3)	(7.0)	(3.4)
04:00 PM - 05:00 PM	(5.5)	(7.1)	(3.3)
05:00 PM - 06:00 PM	(7.2)	(7.8)	(3.9)
06:00 PM - 07:00 PM	(4.9)	(7.4)	(3.1)
07:00 PM - 08:00 PM	(7.0)	(7.3)	(4.5)
08:00 PM - 09:00 PM	(4.9)	(8.4)	(3.3)
09:00 PM - 10:00 PM	(7.3)	(9.1)	(4.8)
10:00 PM - 11:00 PM	(5.8)	(7.1)	(3.1)
11:00 PM - 12:00 AM	(7.3)	(9.0)	(3.7)
12:00 AM - 01:00 AM	(4.9)	(8.4)	(3.7)
01:00 AM - 02:00 AM	(8.0)	(9.7)	(7.3)
02:00 AM - 03:00 AM	(4.4)	(8.4)	(3.5)
03:00 AM - 04:00 AM	(7.5)	(9.2)	(7.0)
04:00 AM - 05:00 AM	(5.9)	(8.8)	(4.4)
05:00 AM - 06:00 AM	(5.2)	(7.2)	(3.9)
06:00 AM - 07:00 AM	(4.3)	(5.4)	(3.1)
07:00 AM - 08:00 AM	(4.1)	(5.4)	(3.5)
08:00 AM - 09:00 AM	(4.2)	(7.1)	(3.5)
09:00 AM - 10:00 AM	(4.1)	(7.1)	(3.4)
10:00 AM - 11:00 AM	(4.0)	(8.1)	(3.2)
11:00 AM - 12:00 PM	(3.8)	(7.7)	(3.1)
12:00 PM - 01:00 PM	(3.9)	(7.0)	(3.3)
01:00 PM - 02:00 PM	(4.0)	(7.4)	(3.2)

Leq Average 24 hrs. dBAqk	(5.5)
---------------------------	-------

Lmax dBAqk	78.7
------------	------

L90 dBAqk	(3.5)
-----------	-------

Ldn dBAqk	72.4
-----------	------

Standard dBAqk	70
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Reference Method : ISO 199(-1 and 199(-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540k ซึ่งกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่คิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Thanitak.

Thanita Kulsuriwong
Scientist qtk

Approved by

Supt S.

Supot Salameh
Section Head

Technical Management

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Analysis / Test Report

TESTING
No.0042

Lot ID: 23123379

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Numt er: 284104b-1



Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number	2312339b-9
Parameter	Noise (Leq 24 hrs.)
Location	พื้นที่ทางวิ่งด้านทิศใต้ของโรงงาน LDPE ติดกับถนนวงนอก
Measurement Date	Nov 0b - Nov 10, 2023
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 2b6518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	64.b	69.5	64.2
03:00 PM - 04:00 PM	64.b	69.0	64.5
04:00 PM - 05:00 PM	65.2	81.b	63.b
05:00 PM - 06:00 PM	66.4	94.b	65.9
06:00 PM - 07:00 PM	64.9	69.4	64.1
07:00 PM - 08:00 PM	65.9	91.1	65.4
08:00 PM - 09:00 PM	65.4	68.6	64.3
09:00 PM - 10:00 PM	66.1	66.6	65.9
10:00 PM - 11:00 PM	66.6	93.4	64.2
11:00 PM - 12:00 AM	65.5	90.b	64.8
12:00 AM - 01:00 AM	65.1	68.8	64.2
01:00 AM - 02:00 AM	65.6	69.1	64.9
02:00 AM - 03:00 AM	65.3	91.1	64.4
03:00 AM - 04:00 AM	65.6	91.0	64.3
04:00 AM - 05:00 AM	65.0	90.8	63.2
05:00 AM - 06:00 AM	65.8	66.9	65.3
06:00 AM - 07:00 AM	66.8	66.3	64.6
07:00 AM - 08:00 AM	66.6	66.3	64.1
08:00 AM - 09:00 AM	69.0	91.8	63.b
09:00 AM - 10:00 AM	66.8	66.2	64.0
10:00 AM - 11:00 AM	69.1	66.9	64.4
11:00 AM - 12:00 PM	66.4	66.1	63.5
12:00 PM - 01:00 PM	66.6	98.4	63.9
01:00 PM - 02:00 PM	66.9	66.4	63.9

Leq Average 24 hrs. (dB(A))	66.0
-----------------------------	------

Lmax (dB(A))	81.b
--------------	------

L90 (dB(A))	64.2
-------------	------

Ldn (dB(A))	92.2
-------------	------

Standard (dB(A))	90
------------------	----

Reference Method : ISO 1bb6-1 and 1bb6-2

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

Remark : The laf oratory has been accepted as an accredited laf oratory complying with the ISO/IEC 19025.

Thanitak.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S.

Supot Salameh
Section Head

Technical Management

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TESTING
No.0042

Lot ID: 23123308

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841052-1



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number	23123380-1
Parameter	Noise (Leq 24 hrs.)
Location	สำนักงานอุตสาหกรรมของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date	Nov 03 - Nov 04, 2023
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 296517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	66.3	69.0	65.9
03:00 PM - 04:00 PM	65.8	76.0	64.3
04:00 PM - 05:00 PM	65.5	82.5	64.9
05:00 PM - 06:00 PM	65.1	71.9	64.8
06:00 PM - 07:00 PM	65.4	71.7	65.0
07:00 PM - 08:00 PM	66.5	90.3	65.0
08:00 PM - 09:00 PM	67.9	81.4	66.4
09:00 PM - 10:00 PM	66.6	76.1	66.2
10:00 PM - 11:00 PM	66.2	70.8	65.9
11:00 PM - 12:00 AM	65.8	69.6	65.5
12:00 AM - 01:00 AM	65.8	74.0	65.6
01:00 AM - 02:00 AM	65.9	71.0	65.6
02:00 AM - 03:00 AM	67.9	69.7	65.7
03:00 AM - 04:00 AM	65.9	68.6	65.6
04:00 AM - 05:00 AM	65.8	68.9	65.5
05:00 AM - 06:00 AM	65.7	68.3	65.4
06:00 AM - 07:00 AM	65.7	73.3	65.4
07:00 AM - 08:00 AM	65.5	73.6	65.1
08:00 AM - 09:00 AM	65.1	68.4	64.8
09:00 AM - 10:00 AM	66.6	80.1	65.3
10:00 AM - 11:00 AM	67.5	74.1	66.5
11:00 AM - 12:00 PM	65.7	91.0	64.9
12:00 PM - 01:00 PM	66.8	70.4	66.5
01:00 PM - 02:00 PM	66.8	69.6	66.6

Leq Average 24 hrs. (dB(A))	66.2
Lmax (dB(A))	91.0
L90 (dB(A))	65.5
Ldn (dB(A))	
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากกรณีการรบกวน
โรงงาน พ.ศ. 2548

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

Supot Salameh
Section Head

Thanita Kulsuriwong
Scientist (4)

Approved by

Technical Management

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Analysis / Test Report

TESTING
No.0042

Lot ID: 23123308

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841053-1



Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number	23123380-2
Parameter	Noise (Leq 24 hrs.)
Location	สำนักงานอุตสาหกรรมของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date	Nov 04 - Nov 05, 2023
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 296517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	66.7	68.6	66.5
03:00 PM - 04:00 PM	67.9	70.4	66.8
04:00 PM - 05:00 PM	67.4	69.3	67.1
05:00 PM - 06:00 PM	67.4	82.6	66.9
06:00 PM - 07:00 PM	67.5	73.8	67.0
07:00 PM - 08:00 PM	68.1	71.0	67.8
08:00 PM - 09:00 PM	67.7	77.5	67.0
09:00 PM - 10:00 PM	67.2	71.9	66.9
10:00 PM - 11:00 PM	65.8	67.8	65.5
11:00 PM - 12:00 AM	65.9	69.5	65.6
12:00 AM - 01:00 AM	65.7	74.5	65.4
01:00 AM - 02:00 AM	66.8	69.1	65.6
02:00 AM - 03:00 AM	66.7	68.1	66.4
03:00 AM - 04:00 AM	67.9	69.7	66.9
04:00 AM - 05:00 AM	68.5	69.9	68.3
05:00 AM - 06:00 AM	68.7	69.9	68.4
06:00 AM - 07:00 AM	67.0	76.3	65.5
07:00 AM - 08:00 AM	66.2	76.5	65.3
08:00 AM - 09:00 AM	66.9	74.1	65.3
09:00 AM - 10:00 AM	65.1	68.5	64.8
10:00 AM - 11:00 AM	65.1	75.7	64.7
11:00 AM - 12:00 PM	65.0	68.1	64.7
12:00 PM - 01:00 PM	68.3	72.0	64.7
01:00 PM - 02:00 PM	68.7	72.0	68.1

Leq Average 24 hrs. (dB(A))	67.1
Lmax (dB(A))	82.6
L90 (dB(A))	66.4
Ldn (dB(A))	
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากกรณีการรบกวน
โรงงาน พ.ศ. 2548

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

Thanita K.

Supot S.

Approved by

Technical Management

Thanita Kulsuriwong
Scientist (4)

Supot Salameh
Section Head

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



TESTING
No.0042

Lot ID: 23123308

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841054-1



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number	23123380-3
Parameter	Noise (Leq 24 hrs.)
Location	พื้นที่ด้านทิศเหนือของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date	Nov 05 - Nov 06, 2023
Measurement by	Anuraj Tongphongsaj da
Sound Level meter	Serial No. 264517

Time	Leq (dB(A))	Lmax (dB(A))	L60 (dB(A))
02:00 PM - 03:00 PM	k6.3	74.8	k8.4
03:00 PM - 04:00 PM	k6.7	82.1	k6.1
04:00 PM - 05:00 PM	k4.8	78.3	k4.2
05:00 PM - 06:00 PM	k6.5	75.2	k8.7
06:00 PM - 07:00 PM	k4.3	71.7	k8.7
07:00 PM - 08:00 PM	k8.3	72.3	k7.3
08:00 PM - 09:00 PM	k7.7	78.4	k7.2
09:00 PM - 10:00 PM	k8.6	70.3	k8.1
10:00 PM - 11:00 PM	k7.4	70.0	k7.0
11:00 PM - 12:00 AM	k4.4	k8.7	k5.7
12:00 AM - 01:00 AM	k5.7	k6.8	k5.5
01:00 AM - 02:00 AM	k5.4	74.3	k5.3
02:00 AM - 03:00 AM	k5.7	k7.5	k5.4
03:00 AM - 04:00 AM	k3.4	k7.3	k5.3
04:00 AM - 05:00 AM	k3.8	k8.7	k5.5
05:00 AM - 06:00 AM	k5.8	k8.2	k5.5
06:00 AM - 07:00 AM	k5.8	72.2	k5.2
07:00 AM - 08:00 AM	k5.4	75.8	k5.2
08:00 AM - 09:00 AM	k5.1	76.0	k4.8
09:00 AM - 10:00 AM	k4.0	61.2	k4.6
10:00 AM - 11:00 AM	k4.2	74.6	k5.2
11:00 AM - 12:00 PM	k4.0	74.1	k5.5
12:00 PM - 01:00 PM	k4.0	k8.6	k5.7
01:00 PM - 02:00 PM	k4.2	82.1	k5.7

Leq Average 24 hrs. (dB(A))	k7.1
Lmax (dB(A))	61.2
L60 (dB(A))	k5.5
Ldn (dB(A))	
Standard (dB(A))	115
Reference Method : ISO166k-1 and 166k-2	
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากกรณีการรบกวน โรงงาน พ.ศ. 2548	
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.	

Supot Salameh
Section Head

Approved by

Thanita Kulsuriwong
Scientist (4)

Technical Management

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



TESTING
No.0042

Lot ID: 23123308

Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841055-1



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 1

Sample Number	23123380-4
Parameter	Noise (Leq 24 hrs.)
Location	พื้นที่ด้านทิศเหนือของโรงงาน LDPE ติดกับโรงงาน BIG
Measurement Date	Nov 06 - Nov 07, 2023
Measurement by	Anuraj Tongphongsaj da
Sound Level meter	Serial No. 274517

Time	Leq (dB(A))	Lmax (dB(A))	L70 (dB(A))
02:00 PM - 03:00 PM	k1.3	88.0	k4.0
03:00 PM - 04:00 PM	k4.3	71.3	k5.4
04:00 PM - 05:00 PM	k4.5	72.5	k5.5
05:00 PM - 06:00 PM	k5.4	j 5.1	k5.3
06:00 PM - 07:00 PM	k5.4	j 4.1	k5.4
07:00 PM - 08:00 PM	k5.8	j 8.1	k5.5
08:00 PM - 09:00 PM	k5.8	j 7.0	k5.5
09:00 PM - 10:00 PM	k5.8	kj 0	k5.4
10:00 PM - 11:00 PM	k5.4	j 7.1	k5.3
11:00 PM - 12:00 AM	k5.4	kj 1	k5.3
12:00 AM - 01:00 AM	k5.4	k7.5	k5.2
01:00 AM - 02:00 AM	k5.5	k7.7	k5.3
02:00 AM - 03:00 AM	k5.4	kj 2	k5.4
03:00 AM - 04:00 AM	k5.4	kj 0	k5.4
04:00 AM - 05:00 AM	k5.8	80.5	k5.5
05:00 AM - 06:00 AM	k5.4	j 1.8	k5.4
06:00 AM - 07:00 AM	k5.4	j 2.0	k5.3
07:00 AM - 08:00 AM	k5.4	j 7.4	k5.2
08:00 AM - 09:00 AM	k4.2	j 8.5	k5.2
09:00 AM - 10:00 AM	k4.4	87.1	k5.7
10:00 AM - 11:00 AM	k4.3	80.1	k5.4
11:00 AM - 12:00 PM	kj 4	k7.8	kj 1
12:00 PM - 01:00 PM	k7.0	j 3.5	k8.4
01:00 PM - 02:00 PM	k4.2		

Leq Average 24 hrs. (dB(A))	k4.2
Lmax (dB(A))	72.5
L70 (dB(A))	
Ldn (dB(A))	j 2.2
Standard (dB(A))	115
Reference Method : ISO177k-1 and 177k-2	
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากกรณีการรบกวน โรงงาน พ.ศ. 2548	
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.	

Supot Salameh
Section Head

Approved by

Thanita Kulsuriwong
Scientist (4)

Technical Management

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Analysis / Test Report

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

Lot ID: 23123308
Date Received : Nov 15, 2023
Date Reported : Nov 20, 2023
Report Number: 2841058-1

Page 1 of 1

Sample Number	23123380-(
Parameter	Noise dLe) 24 hrs.B
Location	ฟาร์มเลี้ยงสัตว์ด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน Gik
Measurement Date	Nov 01 - Nov 10, 2023
Measurement by	Anura9 Tongshatonsa9da
Sound Level meter	Serial No. 2) 751(

Time	Le) dBGAB	Lmax dBGAB	Lj 0 dBGAB
02:00 PM - 03:00 PM	71.2	(3.4	78.8
03:00 PM - 04:00 PM	78.1	(3.5	78.1
04:00 PM - 05:00 PM	78.1	(8.0	78.1
05:00 PM - 07:00 PM	78.7	(0.1	78.4
07:00 PM - 01:00 PM	71.7	(1.8	71.2
01:00 PM - 08:00 PM	71.4	71.1	71.1
08:00 PM - 01:00 PM	71.4	(2.8	71.2
01:00 PM - 10:00 PM	71.5	(4.7	71.2
10:00 PM - 11:00 PM	71.2	(0.4	77.1
11:00 PM - 12:00 AM	71.2	(1.0	77.1
12:00 AM - 01:00 AM	71.1	78.2	77.8
01:00 AM - 02:00 AM	71.3	(2.1	77.1
02:00 AM - 03:00 AM	71.5	(0.7	71.2
03:00 AM - 04:00 AM	71.3	78.3	71.0
04:00 AM - 05:00 AM	71.5	71.0	71.3
05:00 AM - 07:00 AM	71.3	78.4	71.0
07:00 AM - 01:00 AM	71.2	(3.2	77.1
01:00 AM - 08:00 AM	71.0	(2.7	77.1
08:00 AM - 01:00 AM	77.7	83.4	77.2
01:00 AM - 10:00 AM	77.0	(2.7	75.2
10:00 AM - 11:00 AM	75.7	(0.7	75.2
11:00 AM - 12:00 PM	77.1	(2.2	77.4
12:00 PM - 01:00 PM	71.1	(5.2	77.4
01:00 PM - 02:00 PM	71.3	(5.3	77.7

Le) Average 24 hrs. dBGAB	71.5
Lmax dBGAB	83.4
Lj 0 dBGAB	77.1
Ldn dBGAB	(3.1
Standard dBGAB	(0
Reference Method : ISO117-1 and 117-2	115
Standard : 1. ประกาศกระทรวงมหาดไทยฉบับที่ 15 พ.ศ. 2540B เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป	
2. ประกาศกระทรวงมหาดไทยฉบับที่ 15 พ.ศ. 2540B เรื่องกำหนดระดับเสียงมาตรฐาน และระดับเสียงที่วัดจากการประกอบกิจการโรงงาน พ.ศ. 2548	
Remark9 : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.	

Technical Management *Thanitak.* **Approved by** *Supt S.*
Thanita Kulsurwong Supot Salamteh
Scientist q8B Section Head

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ภาคผนวก ค-5

คุณภาพอากาศในสถานประกอบการ



Analysis / Test Report

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

Lot ID: 2384659
Date Received : Aug 09, 2023
Date Reported : Aug 17, 2023
Report Number : 2723093-1

Page 1 of 3

Sample Number 2384659-1
Sampled Date Aug 08, 2023
Sample Description Air Quality
Location Compressor House
Date Analysis Commenced Aug 10, 2023
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 756 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	08:30 AM - 10:30 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	08:30 AM - 10:30 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	08:30 AM - 10:30 AM	ppm	-	1.0	4.3	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 : Natthapon Jiengwareewong

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

Approved by

Saranya C.

Saranya Chalermtamrong
Scientist (4)

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Analysis / Test Report

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

Lot ID: 2384659
Date Received : Aug 09, 2023
Date Reported : Aug 17, 2023
Report Number : 2723093-1

Page 2 of 3

Sample Number 2384659-2
Sampled Date Aug 08, 2023
Sample Description Air Quality
Location Degassing Hopper
Date Analysis Commenced Aug 10, 2023
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 756 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	08:30 AM - 10:30 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	08:30 AM - 10:30 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	08:30 AM - 10:30 AM	ppm	-	1.0	2.7	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 Chalermtamrong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384659

Date Received : Aug 09, 2023

Date Reported : Aug 17, 2023

Report Number : 2723093-1

Page 3 of 3

Sample Number 2384659-3
Sampled Date Aug 08, 2023
Sample Description Air Quality
Location Recycle Gas Cooler
Date Analysis Commenced Aug 10, 2023
Condition of Sample Drawn into two 10-L air sampling bags
Barometric Pressure 756 mmHg
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	08:30 AM - 10:30 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	08:30 AM - 10:30 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	08:30 AM - 10:30 AM	ppm	-	1.0	2.4	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 Jhengwareewong

Remark :

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

Approved by

Saranya C.

Saranya Chalerthamrong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123386

Date Received : Nov 07, 2023

Date Reported : Nov 15, 2023

Report Number : 2814363-1

Page 1 of 3

Sample Number 23123386-1
Sampled Date Nov 06, 2023
Sample Description Air Quality
Location Compressor House
Date Analysis Commenced Nov 08, 2023
Condition of Sample Drawn into two 10-L air sampling bag
Barometric Pressure 753 mmHg
Atmospheric Temperature 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	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 : Chanon Booncheun

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123386

Date Received : Nov 07, 2023

Date Reported : Nov 15, 2023

Report Number : 2814363-1

Page 2 of 3

Sample Number	23123386-2
Sampled Date	Nov 06, 2023
Sample Description	Air Quality
Location	Degassing Hopper
Date Analysis Commenced	Nov 08, 2023
Condition of Sample	Drawn into two 10-L air sampling bag
Barometric Pressure	753 mmHg
Atmospheric Temperature	31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	5.4	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 : Chanon Booncheun

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123386

Date Received : Nov 07, 2023

Date Reported : Nov 15, 2023

Report Number : 2814363-1

Page 3 of 3

Sample Number	23123386-3
Sampled Date	Nov 06, 2023
Sample Description	Air Quality
Location	Recycle Gas Cooler
Date Analysis Commenced	Nov 08, 2023
Condition of Sample	Drawn into two 10-L air sampling bag
Barometric Pressure	753 mmHg
Atmospheric Temperature	31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	5.6	No Standard	Total Hydrocarbon Analyzer	-	Rayong

Guideline :

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

Sampled By : Chanon Booncheun

Remark :

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

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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

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ภาคผนวก ค-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 : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384664

Date Received : Aug 09, 2023

Date Reported : Aug 12, 2023

Report Number: 2745208-1

Page 1 of 1

Sample Number 2384664-1
Parameter Noise (Leq 8 hrs.)
Location ภายนอก Compressor House
Measurement Date Aug 08, 2023
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	83.2	84.9	83.0
09:00 AM - 10:00 AM	83.3	83.9	83.1
10:00 AM - 11:00 AM	83.3	83.9	83.2
11:00 AM - 12:00 PM	83.6	84.2	83.4
12:00 PM - 01:00 PM	83.5	84.2	83.3
01:00 PM - 02:00 PM	83.5	84.1	83.4
02:00 PM - 03:00 PM	83.5	84.2	83.2
03:00 PM - 04:00 PM	83.5	84.0	83.3

Leq Average 8 hrs. (dB(A))

83.4

Lmax (dB(A))

84.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384664

Date Received : Aug 09, 2023

Date Reported : Aug 12, 2023

Report Number: 2745209-1

Page 1 of 1

Sample Number 2384664-2
Parameter Noise (Leq 8 hrs.)
Location Degassing Hopper
Measurement Date Aug 08, 2023
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	84.6	89.0	82.3
09:00 AM - 10:00 AM	84.7	86.8	82.1
10:00 AM - 11:00 AM	84.4	86.5	82.0
11:00 AM - 12:00 PM	84.0	87.0	82.2
12:00 PM - 01:00 PM	84.0	86.6	81.0
01:00 PM - 02:00 PM	84.6	86.4	81.9
02:00 PM - 03:00 PM	83.8	86.3	81.2
03:00 PM - 04:00 PM	84.2	88.2	81.6

Leq Average 8 hrs. (dB(A))

84.3

Lmax (dB(A))

89.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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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 : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384664

Date Received : Aug 09, 2023

Date Reported : Aug 12, 2023

Report Number: 2745210-1

Page 1 of 1

Sample Number 2384664-3
Parameter Noise (Leq 8 hrs.)
Location Recycle Gas Cooler
Measurement Date Aug 08, 2023
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	71.4	80.4	70.7
09:00 AM - 10:00 AM	71.7	84.6	70.7
10:00 AM - 11:00 AM	70.7	75.6	70.5
11:00 AM - 12:00 PM	70.5	73.1	70.4
12:00 PM - 01:00 PM	70.6	73.4	70.4
01:00 PM - 02:00 PM	70.6	72.6	70.4
02:00 PM - 03:00 PM	70.7	71.3	70.5
03:00 PM - 04:00 PM	71.1	71.8	70.8

Leq Average 8 hrs. (dB(A))

70.9

Lmax (dB(A))

84.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384664

Date Received : Aug 09, 2023

Date Reported : Aug 12, 2023

Report Number: 2745211-1

Page 1 of 1

Sample Number 2384664-4
Parameter Noise (Leq 8 hrs.)
Location CCR
Measurement Date Aug 08, 2023
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	62.6	75.7	54.9
09:00 AM - 10:00 AM	59.0	73.1	53.6
10:00 AM - 11:00 AM	61.7	78.7	54.8
11:00 AM - 12:00 PM	60.5	78.5	54.4
12:00 PM - 01:00 PM	63.8	79.1	56.2
01:00 PM - 02:00 PM	60.6	78.0	54.5
02:00 PM - 03:00 PM	63.7	79.4	54.4
03:00 PM - 04:00 PM	61.0	79.6	53.9

Leq Average 8 hrs. (dB(A))

61.9

Lmax (dB(A))

79.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
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Approved by

Supot S.

Supot Salamteh
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Client : Thai Polyethylene Co., Ltd.

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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384664

Date Received : Aug 09, 2023

Date Reported : Aug 12, 2023

Report Number: 2745212-1

Page 1 of 1

Sample Number	2384664-5
Parameter	Noise (Leq 8 hrs.)
Location	Bagging Area
Measurement Date	Aug 08, 2023
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	81.4	96.2	78.4
09:00 AM - 10:00 AM	81.8	98.6	79.0
10:00 AM - 11:00 AM	79.9	87.6	76.3
11:00 AM - 12:00 PM	81.5	100.1	78.4
12:00 PM - 01:00 PM	82.4	89.5	80.0
01:00 PM - 02:00 PM	81.4	95.8	78.2
02:00 PM - 03:00 PM	81.3	95.5	77.4
03:00 PM - 04:00 PM	81.0	90.3	77.0
Leq Average 8 hrs. (dB(A))	81.4		
Lmax (dB(A))		100.1	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384664

Date Received : Aug 09, 2023

Date Reported : Aug 12, 2023

Report Number: 2745213-1

Page 1 of 1

Sample Number	2384664-6
Parameter	Noise (Leq 8 hrs.)
Location	Storage Area
Measurement Date	Aug 08, 2023
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	75.6	76.6	75.3
09:00 AM - 10:00 AM	75.5	78.8	75.3
10:00 AM - 11:00 AM	75.1	75.9	74.9
11:00 AM - 12:00 PM	74.8	75.4	74.6
12:00 PM - 01:00 PM	75.0	76.6	74.7
01:00 PM - 02:00 PM	74.9	78.1	74.6
02:00 PM - 03:00 PM	74.9	75.6	74.7
03:00 PM - 04:00 PM	75.2	76.4	74.9
Leq Average 8 hrs. (dB(A))	75.1		
Lmax (dB(A))		78.8	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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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 : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384664

Date Received : Aug 09, 2023

Date Reported : Aug 12, 2023

Report Number: 2745214-1

Page 1 of 1

Sample Number	2384664-7
Parameter	Noise (Leq 8 hrs.)
Location	กึ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date	Aug 08, 2023
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	84.0	85.7	83.6
09:00 AM - 10:00 AM	84.0	85.3	83.7
10:00 AM - 11:00 AM	84.0	85.2	83.7
11:00 AM - 12:00 PM	83.9	85.1	83.6
12:00 PM - 01:00 PM	83.9	85.0	83.5
01:00 PM - 02:00 PM	84.0	85.0	83.6
02:00 PM - 03:00 PM	83.9	85.3	83.6
03:00 PM - 04:00 PM	84.7	91.1	82.6

Leq Average 8 hrs. (dB(A)) 84.1
 Lmax (dB(A)) 91.1
 Standard (dB(A)) 90
 Reference Method : ISO1996-1 and 1996-2
 Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

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Thanita Kulsuriwong
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Approved by

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Supot Salamteh
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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: 23138329

Date Received : Dec 01, 2023

Date Reported : Dec 07, 2023

Report Number: 2847944-1

Page 1 of 1

Sample Number	23138329-1
Parameter	Noise (Leq 8 hrs.)
Location	ภายนอก Compressor House
Measurement Date	Nov 29, 2023
Measurement by	Jakkarin Manwicha

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:50 AM - 09:50 AM	81.0	82.5	80.8
09:50 AM - 10:50 AM	80.9	81.5	80.8
10:50 AM - 11:50 AM	80.9	84.6	80.7
11:50 AM - 12:50 PM	81.2	81.7	81.1
12:50 PM - 01:50 PM	81.2	81.9	81.0
01:50 PM - 02:50 PM	81.5	82.2	81.3
02:50 PM - 03:50 PM	81.7	85.0	81.5
03:50 PM - 04:50 PM	81.7	83.1	81.5

Leq Average 8 hrs. (dB(A)) 81.3
 Lmax (dB(A)) 85.0
 Standard (dB(A)) 90
 Reference Method : ISO1996-1 and 1996-2
 Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

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Supot Salamteh
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Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123388

Date Received : Nov 07, 2023

Date Reported : Nov 10, 2023

Report Number: 2832503-1

Page 1 of 1

Sample Number 23123388-2
Parameter Noise (Leq 8 hrs.)
Location Degassing Hopper
Measurement Date Nov 06, 2023
Measurement by Siriwit Ruangsom

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	82.9	85.5	81.3
09:00 AM - 10:00 AM	82.6	84.6	81.4
10:00 AM - 11:00 AM	82.3	84.7	81.8
11:00 AM - 12:00 PM	82.5	83.9	82.1
12:00 PM - 01:00 PM	82.8	85.0	82.0
01:00 PM - 02:00 PM	81.4	83.0	80.7
02:00 PM - 03:00 PM	82.7	84.0	82.3
03:00 PM - 04:00 PM	81.7	84.5	80.8

Leq Average 8 hrs. (dB(A))

82.4

Lmax (dB(A))

85.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123388

Date Received : Nov 07, 2023

Date Reported : Nov 10, 2023

Report Number: 2832504-1

Page 1 of 1

Sample Number 23123388-3
Parameter Noise (Leq 8 hrs.)
Location Recycle Gas Cooler
Measurement Date Nov 06, 2023
Measurement by Siriwit Ruangsom

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	74.0	81.7	71.8
09:00 AM - 10:00 AM	77.5	80.6	76.8
10:00 AM - 11:00 AM	76.9	77.7	76.7
11:00 AM - 12:00 PM	78.0	79.1	77.6
12:00 PM - 01:00 PM	78.0	80.1	77.6
01:00 PM - 02:00 PM	78.4	82.8	77.9
02:00 PM - 03:00 PM	77.4	78.6	77.1
03:00 PM - 04:00 PM	77.9	78.7	77.7

Leq Average 8 hrs. (dB(A))

77.4

Lmax (dB(A))

82.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย
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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123388

Date Received : Nov 07, 2023

Date Reported : Nov 10, 2023

Report Number: 2832505-1

Page 1 of 1

Sample Number	23123388-4		
Parameter	Noise (Leq 8 hrs.)		
Location	CCR		
Measurement Date	Nov 06, 2023		
Measurement by	Siriwit Ruangsom		

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	63.2	77.2	55.3
09:00 AM - 10:00 AM	63.3	77.0	55.5
10:00 AM - 11:00 AM	60.6	78.7	53.8
11:00 AM - 12:00 PM	62.0	76.7	54.2
12:00 PM - 01:00 PM	64.6	78.0	56.8
01:00 PM - 02:00 PM	64.1	76.2	55.4
02:00 PM - 03:00 PM	65.6	80.7	56.9
03:00 PM - 04:00 PM	63.3	77.2	54.9
Leq Average 8 hrs. (dB(A))	63.6		
Lmax (dB(A))		80.7	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123388

Date Received : Nov 07, 2023

Date Reported : Nov 10, 2023

Report Number: 2832506-1

Page 1 of 1

Sample Number	23123388-5		
Parameter	Noise (Leq 8 hrs.)		
Location	Bagging Area		
Measurement Date	Nov 06, 2023		
Measurement by	Siriwit Ruangsom		

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	83.6	90.0	81.5
09:00 AM - 10:00 AM	82.4	92.4	80.6
10:00 AM - 11:00 AM	82.2	94.1	80.7
11:00 AM - 12:00 PM	82.7	90.8	81.3
12:00 PM - 01:00 PM	82.6	97.0	80.8
01:00 PM - 02:00 PM	83.6	111.7	81.6
02:00 PM - 03:00 PM	83.1	91.3	81.8
03:00 PM - 04:00 PM	82.1	87.5	80.8
Leq Average 8 hrs. (dB(A))	82.8		
Lmax (dB(A))		111.7	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

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Client : Thai Polyethylene Co., Ltd.

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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123388

Date Received : Nov 07, 2023

Date Reported : Nov 10, 2023

Report Number: 2832507-1

Page 1 of 1

Sample Number 23123388-6
Parameter Noise (Leq 8 hrs.)
Location Storage Area
Measurement Date Nov 06, 2023
Measurement by Siriwit Ruangsom

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	74.9	83.9	72.7
09:00 AM - 10:00 AM	77.7	81.7	77.0
10:00 AM - 11:00 AM	77.0	78.3	76.6
11:00 AM - 12:00 PM	77.8	79.0	77.5
12:00 PM - 01:00 PM	77.9	96.5	77.5
01:00 PM - 02:00 PM	78.1	83.6	77.5
02:00 PM - 03:00 PM	77.5	78.9	77.2
03:00 PM - 04:00 PM	78.0	83.0	77.7

Leq Average 8 hrs. (dB(A))

77.5

Lmax (dB(A))

96.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123388

Date Received : Nov 07, 2023

Date Reported : Nov 10, 2023

Report Number: 2832508-1

Page 1 of 1

Sample Number 23123388-7
Parameter Noise (Leq 8 hrs.)
Location กึ่งกลางรัศมีศเหนือระหว่าง LDPE & HDPE
Measurement Date Nov 06, 2023
Measurement by Siriwit Ruangsom

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	84.0	85.7	83.6
09:00 AM - 10:00 AM	82.9	84.6	82.5
10:00 AM - 11:00 AM	82.4	84.1	82.0
11:00 AM - 12:00 PM	83.9	85.1	83.6
12:00 PM - 01:00 PM	82.4	84.1	82.0
01:00 PM - 02:00 PM	82.6	84.3	82.2
02:00 PM - 03:00 PM	83.9	85.3	83.6
03:00 PM - 04:00 PM	83.5	85.2	83.1

Leq Average 8 hrs. (dB(A))

83.2

Lmax (dB(A))

85.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123387

Date Received : Nov 07, 2023

Date Reported : Nov 10, 2023

Report Number: 2832512-1

Page 1 of 1

Sample Number 23123387-4
Parameter Noise (Leq 12 hrs.)
Location CCR
Measurement Date Nov 06, 2023
Measurement by Siriwit Ruangsom

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	63.2	77.2	55.3
09:00 AM - 10:00 AM	63.3	77.0	55.5
10:00 AM - 11:00 AM	60.6	78.7	53.8
11:00 AM - 12:00 PM	62.0	76.7	54.2
12:00 PM - 01:00 PM	64.6	78.0	56.8
01:00 PM - 02:00 PM	64.1	76.2	55.4
02:00 PM - 03:00 PM	65.6	80.7	56.9
03:00 PM - 04:00 PM	63.3	77.2	54.9
04:00 PM - 05:00 PM	65.2	82.5	54.8
05:00 PM - 06:00 PM	65.8	83.1	55.4
06:00 PM - 07:00 PM	66.1	83.4	55.7
07:00 PM - 08:00 PM	66.2	80.1	57.8

Leq Average 12 hrs. (dB(A))

64.5

Lmax (dB(A))

83.4

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384670

Date Received : Aug 09, 2023

Date Reported : Aug 16, 2023

Report Number : 2747742-1

Sample Number : 2384670-1
Parameter : Octave band (12 hrs.)
Location : ภาชนะ Compressor House
Measurement Date : Aug 08, 2023
Measurement By : Chanon Booncheun

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	83.2	28.6	45.8	59.6	72.4	75.3	76.4	76.4	77.2	71.7	64.7	51.2
09:00 AM - 10:00 AM	83.3	28.7	45.7	59.8	72.9	75.3	76.5	76.4	77.3	71.9	64.7	51.3
10:00 AM - 11:00 AM	83.3	28.6	45.7	60.0	73.0	75.4	76.6	76.4	77.2	72.0	64.6	51.3
11:00 AM - 12:00 PM	83.6	28.6	45.6	60.2	73.2	75.5	77.2	76.5	77.3	72.0	64.6	51.3
12:00 PM - 01:00 PM	83.5	28.6	45.5	60.4	73.2	75.4	77.2	76.6	77.1	72.1	64.6	51.3
01:00 PM - 02:00 PM	83.5	29.0	45.6	60.2	73.1	75.4	77.2	76.5	77.1	72.1	64.7	51.3
02:00 PM - 03:00 PM	83.5	29.2	45.7	60.2	73.0	75.4	77.1	76.5	77.2	72.1	64.7	51.4
03:00 PM - 04:00 PM	83.5	29.3	45.6	61.2	72.7	75.4	76.9	76.5	77.5	72.0	64.7	51.5
04:00 PM - 05:00 PM	83.3	29.3	45.4	61.0	72.6	75.2	76.5	76.4	77.4	72.1	64.7	51.4
05:00 PM - 06:00 PM	83.3	29.5	45.7	60.2	72.6	75.0	76.4	76.3	77.5	72.0	64.7	51.6
06:00 PM - 07:00 PM	82.4	17.7	40.3	60.7	66.4	70.5	77.8	76.8	75.0	70.7	63.8	49.9
07:00 PM - 08:00 PM	83.5	22.0	41.3	59.6	67.7	72.5	78.3	77.5	77.3	72.9	64.6	50.1
Average	83.3	28.3	45.1	60.3	72.3	74.9	77.0	76.6	77.1	72.0	64.6	51.2

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Saranya Chalermthamrong
Scientist (4)

Approved by

Supt S.

Supt Salamteh
Section Head

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Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384670

Date Received : Aug 09, 2023

Date Reported : Aug 16, 2023

Report Number : 2747743-1

Sample Number : 2384670-2
Parameter : Octave band (12 hrs.)
Location : Degassing Hopper
Measurement Date : Aug 08, 2023
Measurement By : Chanon Booncheun

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	84.6	18.7	42.3	57.2	68.0	72.0	77.4	79.3	79.0	74.5	70.0	62.9
09:00 AM - 10:00 AM	84.7	17.5	40.6	57.0	71.6	73.6	78.6	78.7	78.7	73.8	69.2	60.9
10:00 AM - 11:00 AM	84.4	17.3	39.6	56.9	71.5	73.7	78.6	77.8	78.4	73.9	69.0	60.8
11:00 AM - 12:00 PM	84.0	17.7	38.8	56.6	68.6	72.5	77.7	78.1	78.3	73.4	68.6	60.7
12:00 PM - 01:00 PM	84.0	18.1	38.5	56.7	70.7	73.7	78.4	77.5	77.8	73.4	68.9	60.8
01:00 PM - 02:00 PM	84.6	18.5	38.8	56.7	71.3	74.3	78.9	77.9	78.4	74.2	69.5	60.9
02:00 PM - 03:00 PM	83.8	20.6	39.2	55.8	69.6	73.4	77.9	77.4	77.9	73.3	68.8	60.7
03:00 PM - 04:00 PM	84.2	22.2	42.4	56.7	69.9	73.9	78.3	77.8	78.0	73.9	69.0	60.8
04:00 PM - 05:00 PM	84.2	17.8	40.1	60.3	67.6	73.3	80.9	76.8	75.9	72.1	68.0	60.5
05:00 PM - 06:00 PM	82.2	20.7	44.3	59.8	61.0	70.4	76.3	75.1	75.9	73.7	71.2	64.7
06:00 PM - 07:00 PM	81.4	30.1	45.2	59.7	70.2	72.9	75.9	75.0	74.1	70.1	62.4	47.4
07:00 PM - 08:00 PM	82.1	22.0	39.6	58.9	67.8	67.7	74.2	76.8	77.3	72.6	65.2	51.6
Average	83.8	22.3	41.4	58.0	69.6	72.9	78.0	77.5	77.7	73.4	68.8	60.9

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supt S.

Supt Salamteh
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384670

Date Received : Aug 09, 2023

Date Reported : Aug 16, 2023

Report Number : 2747744-1

Sample Number 2384670-3
Parameter Octave band (12 hrs.)
Location Recycle Gas Cooler
Measurement Date Aug 08, 2023
Measurement By Chanon Booncheun

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	71.4	21.7	37.2	51.0	58.1	63.4	64.3	64.5	64.0	62.7	58.6	46.0
09:00 AM - 10:00 AM	71.7	22.2	37.5	50.5	58.4	63.4	64.5	65.0	64.6	63.1	58.7	45.9
10:00 AM - 11:00 AM	70.7	21.3	37.5	50.0	58.3	63.1	63.8	63.7	63.0	61.7	58.1	45.5
11:00 AM - 12:00 PM	70.5	21.2	37.3	49.8	58.1	62.7	63.6	62.8	61.7	58.0	45.4	
12:00 PM - 01:00 PM	70.6	21.2	37.1	50.0	58.5	62.8	63.8	63.7	62.9	61.9	58.0	45.4
01:00 PM - 02:00 PM	70.6	21.7	37.5	50.5	58.2	62.7	63.6	63.7	63.0	61.8	58.0	45.4
02:00 PM - 03:00 PM	70.7	21.9	37.4	50.5	58.3	63.0	63.8	63.8	63.0	61.8	58.0	45.4
03:00 PM - 04:00 PM	71.1	21.8	37.5	54.3	58.5	63.6	64.3	64.1	63.2	61.8	58.0	45.5
04:00 PM - 05:00 PM	71.1	21.7	37.5	51.7	58.5	64.0	64.5	64.0	63.3	61.9	57.8	45.4
05:00 PM - 06:00 PM	71.2	22.1	37.7	50.5	58.6	64.3	64.6	64.1	63.3	61.8	58.0	45.5
06:00 PM - 07:00 PM	71.7	21.3	37.8	51.7	60.0	64.3	64.4	63.9	64.7	63.1	58.9	44.5
07:00 PM - 08:00 PM	71.7	27.6	40.6	53.0	58.5	63.0	65.6	64.3	63.7	63.4	60.2	47.0
Average	71.1	22.6	37.8	51.3	58.5	63.4	64.3	64.1	63.5	62.3	58.4	45.6

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Saranya Chalermthamrong
Scientist (4)

Approved by

Supt S.

Supt Salamteh
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384670

Date Received : Aug 09, 2023

Date Reported : Aug 16, 2023

Report Number : 2747745-1

Sample Number 2384670-4
Parameter Octave band (12 hrs.)
Location CCR
Measurement Date Aug 08, 2023
Measurement By Chanon Booncheun

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	62.6	11.9	22.8	29.6	39.9	49.9	58.0	58.2	55.0	50.0	41.6	46.0
09:00 AM - 10:00 AM	59.0	12.1	23.1	30.3	38.4	47.3	53.4	54.8	51.7	48.6	36.0	23.9
10:00 AM - 11:00 AM	61.7	12.0	23.4	28.9	38.8	49.4	56.4	57.0	55.2	50.0	40.6	26.6
11:00 AM - 12:00 PM	60.5	11.9	23.4	30.1	38.1	47.2	54.2	56.2	54.7	48.6	39.5	25.2
12:00 PM - 01:00 PM	63.8	11.4	23.0	28.5	39.1	50.8	59.3	59.4	56.5	50.4	41.7	28.2
01:00 PM - 02:00 PM	60.6	11.5	23.1	29.7	39.1	48.3	55.8	56.0	53.4	48.6	39.4	27.8
02:00 PM - 03:00 PM	63.7	11.8	23.1	28.8	39.4	50.6	59.5	59.1	56.1	50.9	42.5	28.9
03:00 PM - 04:00 PM	61.0	13.4	23.2	30.1	39.3	48.1	55.4	57.2	53.4	50.2	39.6	28.9
04:00 PM - 05:00 PM	64.1	11.0	22.6	29.7	38.4	49.6	59.3	60.1	57.2	49.2	38.0	24.9
05:00 PM - 06:00 PM	66.1	11.4	23.2	28.4	39.0	52.0	62.0	61.7	58.2	52.0	44.8	32.0
06:00 PM - 07:00 PM	63.0	15.4	27.7	31.7	41.9	48.1	57.9	59.5	55.1	50.3	40.5	26.5
07:00 PM - 08:00 PM	64.0	15.7	27.8	31.6	42.4	49.2	59.0	59.8	57.3	49.5	38.4	25.8
Average	62.9	12.8	24.3	29.9	39.7	49.4	58.2	58.7	55.7	50.0	40.8	35.9

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supt S.

Supt Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384670

Date Received : Aug 09, 2023

Date Reported : Aug 16, 2023

Report Number : 2747746-1

Sample Number 2384670-5
Parameter Octave band (12 hrs.)
Location Bagging Area
Measurement Date Aug 08, 2023
Measurement By Chanon Booncheun

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	81.4	22.0	39.8	54.6	63.2	67.7	71.6	74.2	75.6	75.8	71.0	60.3
09:00 AM - 10:00 AM	81.8	21.0	39.6	54.4	63.0	67.4	71.8	74.6	76.2	76.3	71.1	60.1
10:00 AM - 11:00 AM	79.9	20.3	39.1	53.5	62.2	66.3	70.2	72.5	74.1	74.4	69.6	59.7
11:00 AM - 12:00 PM	81.5	20.2	39.6	53.9	62.5	67.2	71.8	74.4	76.0	75.9	70.7	60.1
12:00 PM - 01:00 PM	82.4	20.3	40.1	54.7	63.1	67.8	72.3	75.4	77.2	76.7	71.5	60.4
01:00 PM - 02:00 PM	81.4	20.9	40.0	54.4	62.4	67.2	71.7	74.4	75.9	75.8	70.7	60.1
02:00 PM - 03:00 PM	81.3	20.3	40.1	54.7	62.3	66.9	71.4	74.0	75.7	75.7	70.7	59.9
03:00 PM - 04:00 PM	81.0	19.1	39.6	54.7	62.5	66.9	71.9	73.9	75.4	75.2	70.2	59.9
04:00 PM - 05:00 PM	79.4	17.9	39.2	53.6	62.2	65.6	69.4	71.7	73.3	73.9	70.0	61.5
05:00 PM - 06:00 PM	80.2	19.7	38.8	53.2	61.2	66.0	70.5	73.2	74.7	74.6	69.5	58.9
06:00 PM - 07:00 PM	80.9	24.3	38.7	56.1	63.1	68.6	68.2	69.2	71.1	76.7	75.6	64.9
07:00 PM - 08:00 PM	80.8	23.5	38.8	55.7	63.7	69.2	67.5	68.5	70.6	76.7	75.6	64.9
Average	81.1	21.1	39.5	54.5	62.7	67.3	70.9	73.4	75.0	75.7	71.9	61.4

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supt S.

Supt Salameh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384670

Date Received : Aug 09, 2023

Date Reported : Aug 16, 2023

Report Number : 2747747-1

Sample Number 2384670-6
Parameter Octave band (12 hrs.)
Location Storage Area
Measurement Date Aug 08, 2023
Measurement By Chanon Booncheun

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	75.6	22.7	37.9	53.2	61.1	70.0	69.2	67.8	68.0	65.0	59.1	40.9
09:00 AM - 10:00 AM	75.5	22.6	37.9	53.4	61.2	69.8	69.2	67.9	68.0	65.1	59.1	40.8
10:00 AM - 11:00 AM	75.1	22.5	38.1	53.2	61.0	69.4	68.7	67.4	67.6	64.8	58.8	40.4
11:00 AM - 12:00 PM	74.8	22.3	37.9	52.9	60.8	68.6	68.4	67.3	67.4	64.7	58.8	40.4
12:00 PM - 01:00 PM	75.0	22.5	37.9	52.9	61.1	68.8	68.5	67.4	67.7	65.1	59.0	40.8
01:00 PM - 02:00 PM	74.9	22.5	38.0	52.7	60.9	68.7	68.3	67.3	67.6	65.0	59.0	40.7
02:00 PM - 03:00 PM	74.9	22.8	37.9	53.0	61.3	68.7	68.6	67.3	67.5	64.7	58.8	40.3
03:00 PM - 04:00 PM	75.2	22.5	38.1	56.7	61.2	69.2	68.9	67.5	67.6	64.7	58.7	40.0
04:00 PM - 05:00 PM	75.5	22.7	38.4	53.8	61.1	69.8	69.3	67.7	67.7	64.8	58.3	40.2
05:00 PM - 06:00 PM	74.3	21.5	37.2	52.6	59.9	68.6	68.1	66.5	66.5	63.6	57.1	39.0
06:00 PM - 07:00 PM	77.4	22.5	38.6	52.1	60.8	72.7	69.2	68.7	70.5	68.2	61.7	45.0
07:00 PM - 08:00 PM	77.0	22.6	38.9	51.9	61.1	72.0	68.9	68.4	70.3	68.0	61.7	44.8
Average	75.5	22.5	38.1	53.4	61.0	69.9	68.8	67.6	68.2	65.5	59.4	41.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supt S.

Supt Salameh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2384670

Date Received : Aug 09, 2023

Date Reported : Aug 16, 2023

Report Number : 2747748-1

Sample Number 2384670-7
Parameter Octave band (12 hrs.)
Location ที่กลางวัดตเหนือระหว่าง LDPE & HDPE
Measurement Date Aug 08, 2023
Measurement By Chanon Booncheun

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	84.0	24.4	37.3	54.8	65.5	67.2	67.9	70.6	74.0	80.2	79.4	67.9
09:00 AM - 10:00 AM	84.0	24.5	37.2	54.5	65.0	67.4	67.9	70.6	74.3	80.2	79.5	67.8
10:00 AM - 11:00 AM	84.0	24.2	37.0	54.5	64.2	67.5	67.9	70.8	74.6	80.2	79.4	67.8
11:00 AM - 12:00 PM	83.9	24.5	36.9	54.7	63.8	67.0	67.6	70.5	74.3	80.1	79.4	67.7
12:00 PM - 01:00 PM	83.9	24.4	36.9	54.4	63.2	66.9	67.7	70.4	74.1	80.1	79.4	67.7
01:00 PM - 02:00 PM	84.0	24.5	37.3	54.5	63.5	67.2	67.7	70.7	74.5	80.1	79.3	67.7
02:00 PM - 03:00 PM	83.9	25.7	37.6	54.5	64.1	66.9	67.6	70.5	74.1	80.2	79.4	67.8
03:00 PM - 04:00 PM	84.7	24.7	36.3	61.0	63.6	69.7	80.0	70.9	73.5	79.1	78.2	66.6
04:00 PM - 05:00 PM	84.7	22.1	34.9	62.4	62.4	69.9	81.6	70.9	72.2	77.8	76.9	65.2
05:00 PM - 06:00 PM	84.3	24.9	37.9	54.0	65.4	66.9	68.0	71.1	74.8	80.5	79.5	68.1
06:00 PM - 07:00 PM	80.2	19.0	39.4	54.2	62.2	65.8	70.2	73.0	74.6	74.5	70.2	59.8
07:00 PM - 08:00 PM	80.9	24.3	38.7	56.1	63.1	68.6	68.2	69.2	71.1	76.7	75.6	64.9
Average	83.7	24.2	37.4	56.9	64.0	67.8	74.1	70.8	74.0	79.4	78.6	67.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supt S.

Supt Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123391

Date Received : Nov 07, 2023

Date Reported : Nov 13, 2023

Report Number : 2834230-1

Sample Number 23123391-1
Parameter Octave band (12 hrs.)
Location ภายนอก Compressor House
Measurement Date Nov 06, 2023
Measurement By Siriwit Ruangsom

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	80.9	25.7	43.2	59.0	70.8	74.5	73.6	73.6	73.1	70.2	66.2	53.1
09:00 AM - 10:00 AM	90.6	25.6	43.3	59.1	70.6	75.0	77.1	79.9	83.5	87.2	83.0	71.9
10:00 AM - 11:00 AM	90.6	25.3	43.1	59.0	70.1	74.9	76.9	79.5	83.4	87.3	83.1	72.2
11:00 PM - 12:00 AM	92.4	25.4	43.0	58.6	70.2	75.1	78.3	81.3	85.1	89.1	85.3	74.2
12:00 PM - 01:00 PM	92.3	25.3	43.7	59.1	70.2	75.1	78.2	81.1	85.0	88.9	85.2	74.0
01:00 PM - 02:00 PM	92.4	25.4	43.5	59.3	70.2	75.0	78.3	81.3	85.2	89.1	85.4	74.3
02:00 PM - 03:00 PM	89.5	25.6	43.7	59.2	70.9	75.3	75.4	77.8	82.3	86.0	82.0	73.5
03:00 PM - 04:00 PM	88.7	25.6	44.4	59.1	71.2	75.3	74.4	76.5	81.8	85.1	80.9	74.1
04:00 PM - 05:00 PM	88.5	25.7	43.8	59.3	71.2	75.1	74.4	75.8	80.9	84.9	81.3	74.6
05:00 PM - 06:00 PM	86.4	23.6	41.7	57.2	69.1	73.0	72.3	73.7	78.8	82.8	79.2	72.5
06:00 PM - 07:00 PM	87.3	24.5	42.6	58.1	70.0	73.9	73.2	74.6	79.7	83.7	80.1	73.4
07:00 PM - 08:00 PM	87.0	24.2	42.3	57.8	69.7	73.6	72.9	74.3	79.4	83.4	79.8	73.1
Average	89.8	25.2	43.2	58.8	70.4	74.7	75.9	78.4	82.5	86.3	82.5	73.1

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supt S.

Supt Salamteh
Section Head

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

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123391

Date Received : Nov 07, 2023

Date Reported : Nov 13, 2023

Report Number : 2834231-1

Sample Number 23123391-2
Parameter Octave band (12 hrs.)
Location Degassing Hopper
Measurement Date Nov 06, 2023
Measurement By Siriwit Ruangsom

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	82.9	17.6	41.8	65.4	69.9	68.1	76.4	78.1	76.7	71.4	64.4	49.7
09:00 AM - 10:00 AM	82.6	15.7	42.5	61.8	69.9	68.6	75.8	77.8	76.9	70.9	61.6	45.0
10:00 AM - 11:00 AM	82.3	17.2	41.8	64.7	69.7	67.8	74.9	77.5	76.6	71.1	64.0	49.2
11:00 AM - 12:00 PM	82.5	16.5	41.5	61.8	69.3	68.7	75.5	78.0	76.7	70.7	62.1	46.2
12:00 PM - 01:00 PM	82.8	17.3	40.9	65.2	69.7	68.8	75.7	78.6	76.4	71.4	64.6	49.2
01:00 PM - 02:00 PM	81.4	16.3	40.3	59.7	68.0	67.2	74.1	77.2	75.6	69.7	60.9	44.6
02:00 PM - 03:00 PM	82.7	17.1	41.2	61.9	69.4	69.0	75.4	78.4	76.4	71.6	65.0	49.8
03:00 PM - 04:00 PM	81.7	16.0	41.6	60.2	68.5	67.8	74.9	77.2	76.0	69.7	60.8	45.9
04:00 PM - 05:00 PM	81.3	17.5	41.9	62.3	68.5	66.9	73.7	77.0	75.6	69.5	60.3	44.7
05:00 PM - 06:00 PM	81.6	17.8	42.2	62.6	68.8	67.2	74.0	77.3	75.9	69.8	60.6	45.0
06:00 PM - 07:00 PM	81.8	18.0	42.4	62.8	69.0	67.4	74.2	77.5	76.1	70.0	60.8	45.2
07:00 PM - 08:00 PM	81.5	15.8	41.4	60.0	68.3	67.6	74.7	77.0	75.8	69.5	60.6	45.7
Average	82.1	17.0	41.7	62.8	69.1	68.0	75.0	77.7	76.2	70.5	62.5	47.2

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123391

Date Received : Nov 07, 2023

Date Reported : Nov 13, 2023

Report Number : 2834232-1

Sample Number 23123391-3
Parameter Octave band (12 hrs.)
Location Recycle Gas Cooler
Measurement Date Nov 06, 2023
Measurement By Siriwit Ruangsom

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	74.0	21.5	39.3	53.7	59.4	63.5	64.2	65.8	68.8	67.7	63.0	49.0
09:00 AM - 10:00 AM	77.5	21.1	39.9	53.7	59.6	63.6	64.9	68.1	72.6	72.6	68.7	54.9
10:00 AM - 11:00 AM	76.9	21.2	38.9	53.9	59.5	63.5	64.6	67.2	71.5	71.8	69.0	54.1
11:00 AM - 12:00 PM	78.0	20.7	38.6	53.4	59.4	63.8	64.9	68.1	72.7	73.4	69.7	56.0
12:00 PM - 01:00 PM	78.0	20.7	39.9	53.7	59.3	63.9	64.9	68.1	72.8	73.3	69.6	55.8
01:00 PM - 02:00 PM	78.4	20.8	40.5	53.9	59.1	64.1	65.2	68.4	73.2	73.8	70.1	56.5
02:00 PM - 03:00 PM	77.4	21.0	41.2	53.7	59.7	63.9	64.6	67.4	72.2	72.5	69.6	55.4
03:00 PM - 04:00 PM	77.9	21.1	41.0	53.9	60.0	64.5	65.0	68.0	73.0	73.0	69.3	56.7
04:00 PM - 05:00 PM	77.2	21.3	41.0	53.9	60.0	64.0	65.0	67.4	72.1	72.2	68.3	54.8
05:00 PM - 06:00 PM	77.8	21.9	41.6	54.5	60.6	64.6	65.6	68.0	72.7	72.8	68.9	55.4
06:00 PM - 07:00 PM	77.7	21.3	41.5	54.0	60.0	64.2	64.9	67.7	72.5	72.8	69.9	55.7
07:00 PM - 08:00 PM	77.6	21.2	41.4	53.9	59.9	64.1	64.8	67.6	72.4	72.7	69.8	55.6
Average	77.5	21.2	40.5	53.9	59.7	64.0	64.9	67.7	72.3	72.6	69.1	55.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

Orawan R.
Orawan Rakyong
Scientist (3)

Approved by

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Supot Salamteh
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123391

Date Received : Nov 07, 2023

Date Reported : Nov 13, 2023

Report Number : 2834233-1

Sample Number 23123391-4
Parameter Octave band (12 hrs.)
Location CCR
Measurement Date Nov 06, 2023
Measurement By Siriwit Ruangsom

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	63.2	10.9	23.8	26.6	40.9	49.6	58.0	59.3	55.8	50.6	39.6	49.0
09:00 AM - 10:00 AM	63.3	11.1	24.1	26.6	41.4	49.7	57.9	59.1	56.8	51.0	39.6	25.6
10:00 AM - 11:00 AM	60.6	11.4	24.3	26.5	39.0	47.3	54.4	57.1	53.4	49.3	38.4	24.1
11:00 AM - 12:00 PM	62.0	10.7	24.4	26.8	40.4	47.6	54.7	58.2	56.2	51.4	39.8	25.5
12:00 PM - 01:00 PM	64.6	11.1	24.3	27.1	41.5	50.2	58.7	61.2	57.5	52.0	40.1	27.0
01:00 PM - 02:00 PM	64.1	11.2	24.3	26.7	40.7	49.7	58.0	59.9	58.1	53.0	41.6	29.6
02:00 PM - 03:00 PM	65.6	11.6	24.4	27.3	41.9	50.9	59.8	61.8	59.1	52.4	41.6	27.9
03:00 PM - 04:00 PM	63.3	11.3	24.1	26.5	40.3	49.3	57.6	59.5	56.2	51.9	40.5	26.3
04:00 PM - 05:00 PM	65.2	11.1	24.2	26.9	41.1	51.2	60.5	61.3	57.4	51.6	38.8	25.7
05:00 PM - 06:00 PM	65.8	11.7	24.8	27.5	41.7	51.8	61.1	61.9	58.0	52.2	39.4	26.3
06:00 PM - 07:00 PM	66.1	12.0	25.1	27.8	42.0	52.1	61.4	62.2	58.3	52.5	39.7	26.6
07:00 PM - 08:00 PM	66.2	14.2	27.0	29.4	43.2	52.2	60.5	62.4	59.1	54.8	43.4	29.2
Average	64.5	11.6	24.7	27.2	41.3	50.4	59.0	60.6	57.4	52.1	40.4	38.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123391

Date Received : Nov 07, 2023

Date Reported : Nov 13, 2023

Report Number : 2834234-1

Sample Number 23123391-5
Parameter Octave band (12 hrs.)
Location Bagging Area
Measurement Date Nov 06, 2023
Measurement By Siriwit Ruangsom

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	83.6	20.6	38.7	52.2	61.0	63.3	65.6	66.8	69.6	74.1	70.7	58.2
09:00 AM - 10:00 AM	82.4	20.1	38.2	50.7	60.9	62.9	64.9	65.8	67.8	72.1	68.9	57.3
10:00 AM - 11:00 AM	82.2	20.0	37.7	50.2	60.8	62.6	64.4	65.4	68.6	73.2	69.9	57.5
11:00 AM - 12:00 PM	82.7	18.9	38.0	50.4	60.8	62.9	65.0	66.6	70.3	74.9	71.3	58.4
12:00 PM - 01:00 PM	82.6	19.8	38.1	50.5	60.9	63.4	65.7	67.6	69.9	73.1	69.6	57.5
01:00 PM - 02:00 PM	83.6	18.4	38.2	50.3	60.9	66.1	70.1	72.5	72.3	74.8	71.1	58.7
02:00 PM - 03:00 PM	83.1	16.9	37.6	50.1	61.1	66.2	68.5	70.7	72.1	74.0	70.7	59.7
03:00 PM - 04:00 PM	82.1	14.5	37.7	50.5	61.3	63.3	66.5	67.9	67.6	66.5	63.1	55.8
04:00 PM - 05:00 PM	82.2	14.8	38.1	50.6	61.2	63.3	66.5	67.7	67.5	66.4	63.2	56.0
05:00 PM - 06:00 PM	82.7	15.1	38.3	51.1	61.9	63.9	67.1	68.5	68.2	67.1	63.7	56.4
06:00 PM - 07:00 PM	82.8	15.2	38.4	51.2	62.0	64.0	67.2	68.6	68.3	67.2	63.8	56.5
07:00 PM - 08:00 PM	83.3	17.1	37.8	50.3	61.3	66.4	68.7	70.9	72.3	74.2	70.9	59.9
Average	82.8	18.1	38.1	50.7	61.2	64.2	67.0	68.8	69.9	72.5	69.1	57.9

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123391

Date Received : Nov 07, 2023

Date Reported : Nov 13, 2023

Report Number : 2834235-1

Sample Number 23123391-6
Parameter Octave band (12 hrs.)
Location Storage Area
Measurement Date Nov 06, 2023
Measurement By Siriwit Ruangsom

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	74.9	21.5	37.9	49.4	58.5	67.2	65.8	67.0	68.9	67.9	62.6	49.8
09:00 AM - 10:00 AM	77.7	21.2	37.7	49.5	58.9	67.4	66.3	68.9	72.1	72.3	68.1	55.9
10:00 AM - 11:00 AM	77.0	21.1	37.3	49.4	58.8	66.9	65.8	68.1	71.2	71.5	68.1	55.0
11:00 AM - 12:00 PM	77.8	20.8	37.3	49.2	59.1	67.2	66.1	68.8	72.1	72.7	68.6	56.7
12:00 PM - 01:00 PM	77.9	20.6	37.4	49.5	58.9	66.9	66.0	68.8	72.4	72.8	68.8	56.6
01:00 PM - 02:00 PM	78.1	20.9	37.7	49.8	59.0	66.8	66.3	68.9	72.5	73.0	69.1	57.1
02:00 PM - 03:00 PM	77.5	21.5	38.1	50.3	59.5	67.0	66.1	68.5	71.8	72.1	68.6	56.2
03:00 PM - 04:00 PM	78.0	21.6	38.5	50.1	59.5	67.6	66.5	69.1	72.6	72.6	68.4	57.3
04:00 PM - 05:00 PM	77.3	21.9	38.7	50.3	59.8	68.1	66.4	68.4	71.7	71.7	67.3	55.1
05:00 PM - 06:00 PM	77.8	21.8	38.4	50.6	59.8	67.3	66.4	68.8	72.1	72.4	68.9	56.5
06:00 PM - 07:00 PM	77.8	21.4	38.3	49.9	59.3	67.4	66.3	68.9	72.4	72.4	68.2	57.1
07:00 PM - 08:00 PM	77.6	20.4	37.2	49.3	58.5	66.3	65.8	68.4	72.0	72.5	68.6	56.6
Average	77.5	21.2	37.9	49.8	59.2	67.2	66.2	68.6	71.9	72.1	68.2	56.1

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 23123391

Date Received : Nov 07, 2023

Date Reported : Nov 13, 2023

Report Number : 2834236-1

Sample Number 23123391-7
Parameter Octave band (12 hrs.)
Location ฟังกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date Nov 06, 2023
Measurement By Siriwit Ruangsom

Page 1 of 1

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	84.0	24.4	37.3	54.8	65.5	67.2	67.9	70.6	74.0	80.2	79.4	67.9
09:00 AM - 10:00 AM	82.9	23.3	36.2	53.7	64.4	66.1	66.8	69.5	72.9	79.1	78.3	66.8
10:00 AM - 11:00 AM	82.4	22.8	35.7	53.2	63.9	65.6	66.3	69.0	72.4	78.6	77.8	66.3
11:00 AM - 12:00 PM	83.9	24.5	36.9	54.7	63.8	67.0	67.6	70.5	74.3	80.1	79.4	67.7
12:00 PM - 01:00 PM	82.4	22.8	35.7	53.2	63.9	65.6	66.3	69.0	72.4	78.6	77.8	66.3
01:00 PM - 02:00 PM	82.6	23.0	35.9	53.4	64.1	65.8	66.5	69.2	72.6	78.8	78.0	66.5
02:00 PM - 03:00 PM	83.9	25.7	37.6	54.5	64.1	66.9	67.6	70.5	74.1	80.2	79.4	67.8
03:00 PM - 04:00 PM	83.5	23.9	36.8	54.3	65.0	66.7	67.4	70.1	73.5	79.7	78.9	67.4
04:00 PM - 05:00 PM	83.1	23.5	36.4	53.9	64.6	66.3	67.0	69.7	73.1	79.3	78.5	67.0
05:00 PM - 06:00 PM	82.8	23.2	36.1	53.6	64.3	66.0	66.7	69.4	72.8	79.0	78.2	66.7
06:00 PM - 07:00 PM	81.6	22.0	34.9	52.4	63.1	64.8	65.5	68.2	71.6	77.8	77.0	65.5
07:00 PM - 08:00 PM	80.9	24.3	38.7	56.1	63.1	68.6	68.2	69.2	71.1	76.7	75.6	64.9
Average	82.9	23.7	36.6	54.1	64.2	66.5	67.0	69.6	73.0	79.1	78.3	66.8

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Analysis / Test Report

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

Lot ID: 2384666

Date Received : Aug 09, 2023

Date Reported : Aug 12, 2023

Report Number : 2723111-1

Page 1 of 2

Sample Number 2384666-1
Sampled Date Aug 08, 2023
Sample Description Noise Dose
Location พนักงาน Operator ของ LDPE 1 คน
Personal Sampling คุณเจริญศักดิ์ แสงน้อย
Date Analysis Commenced Aug 11, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	-	9.6	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	9.1	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)	-	-	72.8	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	74.6	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 : Chanon Booncheun

Remark :

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

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

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

Lot ID: 23123390

Date Received : Nov 07, 2023

Date Reported : Nov 10, 2023

Report Number : 2814372-1

Page 1 of 2

Sample Number : 23123390-1
Sampled Date : Nov 06, 2023
Sample Description : Noise Dose
Location : พนักงาน Operator ของ LDPE 1 คน
Personal Sampling : คุณวุฒิชัย ไชยสิทธิ์
Date Analysis Commenced : Nov 08, 2023

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	-	11.0	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	10.0	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)	-	-	73.4	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	75.0	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

Guideline :

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

Sampled By : Chanon Booncheun

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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