

## 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: 2444899

Date Received : May 17, 2024

Date Reported : May 29, 2024

Report Number: 2972027-1

Page 1 of 1

Sample Number 2444899-1  
Sampled Date May 17, 2024  
Sample Description Emission from Stationary Source  
Location Weigh Hopper (TK-229 D)  
Date Analysis Commenced May 20, 2024  
Condition of Sample Extracted into one 10-L air sampling bag

### Stack Description

Ambient Pressure	758	mmHg	Diameter	0.70	m	Oxygen	20.9	%
Ambient Temperature	30.8	°C	Shape	Circle		Carbon Dioxide	0.0	%
Type of Process	Process		Stack Temperature	37.0	°C	Gas Velocity	21.5	m/s
Type of Fuel	-		Moisture	1.81	%	Flow Rate (Actual O2)	27994	Nm3/hr

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

Ethylene	09:45 AM - 09:55 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok
Propane	09:45 AM - 09:55 AM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok

Sampled By : Thitipong Buadaeng

Remark :

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

Approved by

*Orawan R.*

Orawan Rakyong

Scientist (3)

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2444902

Date Received : May 17, 2024

Date Reported : May 29, 2024

Report Number: 2972029-1

Page 1 of 1

Sample Number 2444902-1  
Sampled Date May 17, 2024  
Sample Description Emission from Stationary Source  
Location Degassing Hopper(TK-234 A)  
Date Analysis Commenced May 20, 2024  
Condition of Sample Extracted into one 10-L air sampling bag

### Stack Description

Ambient Pressure	758	mmHg	Diameter	0.70	m	Oxygen	20.9	%
Ambient Temperature	30.8	°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	1.81	%	Flow Rate (Actual O2)	2877	Nm3/hr

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

Ethylene	01:35 PM - 01:45 PM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok
Propane	01:35 PM - 01:45 PM	ppm	-	1.0	<1.0	Gas Chromatography	Bangkok

Sampled By : Thitipong Buadaeng

Remark :

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Approved by

*Orawan R.*

Orawan Rakyong

Scientist (3)

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# ภาคผนวก ค-2

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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 :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

Page 1 of 14

Sample Number 2444806-1  
Sampled Date May 13, 2024  
Sample Description Air Quality  
Location โรงเรือนบ้านหนองแฟบ พืชทางลมตะวันตกเฉียงใต้  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	13/05/24 - 14/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	13/05/24 - 14/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

Remark :

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- "<" : 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 :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

Page 2 of 14

Sample Number 2444806-2  
Sampled Date May 14, 2024  
Sample Description Air Quality  
Location โรงเรือนบ้านหนองแฟบ พืชทางลมตะวันตกเฉียงใต้  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	14/05/24 - 15/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	14/05/24 - 15/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

Remark :

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

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Sample Number 2444806-3  
Sampled Date May 15, 2024  
Sample Description Air Quality  
Location โรงเรียนบ้านหนองแฟบ พัทธังคมตะวันตกเฉียงใต้  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	15/05/24 - 16/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	15/05/24 - 16/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

Remark :

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Approved by

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Saranya Chalermtamrong  
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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 :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

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Sample Number 2444806-4  
Sampled Date May 16, 2024  
Sample Description Air Quality  
Location โรงเรียนบ้านหนองแฟบ พัทธังคมตะวันตกเฉียงใต้  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	16/05/24 - 17/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	16/05/24 - 17/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

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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 :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

Page 5 of 14

Sample Number 2444806-5  
Sampled Date May 17, 2024  
Sample Description Air Quality  
Location โรงเรือนบ้านหนองแฟบ ที่ศทางอมระวันตกเงยงใต้  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	17/05/24 - 18/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	17/05/24 - 18/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

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## Analysis / Test Report

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Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

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Sample Number 2444806-6  
Sampled Date May 18, 2024  
Sample Description Air Quality  
Location โรงเรือนบ้านหนองแฟบ ที่ศทางอมระวันตกเงยงใต้  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
Ethylene	18/05/24 - 19/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	18/05/24 - 19/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

Remark :

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## Analysis / Test Report

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

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Sample Number 2444806-7  
Sampled Date May 19, 2024  
Sample Description Air Quality  
Location โรงเรือนบ้านหนองเพน ฟาร์มจระเข้รัตนโกสินทร์  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	19/05/24 - 20/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	19/05/24 - 20/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	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 :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

Page 8 of 14

Sample Number 2444806-8  
Sampled Date May 13, 2024  
Sample Description Air Quality  
Location ขุขันธ์นาหนอง  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	13/05/24 - 14/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	13/05/24 - 14/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

Remark :

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

Approved by

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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 :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

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Sample Number 2444806-9  
Sampled Date May 14, 2024  
Sample Description Air Quality  
Location กรุงเทพมหานคร  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	14/05/24 - 15/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	14/05/24 - 15/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

Remark :

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

Page 10 of 14

Sample Number 2444806-10  
Sampled Date May 15, 2024  
Sample Description Air Quality  
Location กรุงเทพมหานคร  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	15/05/24 - 16/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	15/05/24 - 16/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

Remark :

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

Page 11 of 14

Sample Number 2444806-11  
Sampled Date May 16, 2024  
Sample Description Air Quality  
Location กรุงเทพมหานคร  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	16/05/24 - 17/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	16/05/24 - 17/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

Remark :

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*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 :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

Page 12 of 14

Sample Number 2444806-12  
Sampled Date May 17, 2024  
Sample Description Air Quality  
Location กรุงเทพมหานคร  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	17/05/24 - 18/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	17/05/24 - 18/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

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 :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

Page 13 of 14

Sample Number 2444806-13  
Sampled Date May 18, 2024  
Sample Description Air Quality  
Location กรุงเทพมหานคร  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	18/05/24 - 19/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	18/05/24 - 19/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

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 :

Lot ID: 2444806

Date Received : May 27, 2024

Date Reported : Jun 06, 2024

Report Number : 2971699-1

Page 14 of 14

Sample Number 2444806-14  
Sampled Date May 19, 2024  
Sample Description Air Quality  
Location กรุงเทพมหานคร  
Date Analysis Commenced May 28, 2024  
Condition of Sample Drawn into one 25-L air sampling bag

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Air Testing</b>							
Ethylene	19/05/24 - 20/05/24	ppm	-	1.0	<1.0	Based on ASTM, D 2712-23	Bangkok
Propane	19/05/24 - 20/05/24	ppm	-	1.0	<1.0	Based on ASTM, D2712-23	Bangkok

Sampled By : Anuwet Tema

Remark :

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

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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: 2444821

Date Received : May 31, 2024

Date Reported : Jun 04, 2024

Report Number : 2971717-1

Sample Number : 2444821-1 to 7

Parameter : Wind Speed / Wind Direction

Location : โรงเรียนบ้านหนองแฟบ เทศบาลเมืองระยอง (GPS 47P 0729825, 1403308)

Sampling Date : May 13 - May 20, 2024

Sampling by : Anuwet Tema

Time	May 13 - May 14, 2024			May 14 - May 15, 2024			May 15 - May 16, 2024			May 16 - May 17, 2024			May 17 - May 18, 2024			May 18 - May 19, 2024			May 19 - May 20, 2024		
	WS (m/s)	WD (deg)	S	WS (m/s)	WD (deg)	S	WS (m/s)	WD (deg)	S	WS (m/s)	WD (deg)	S	WS (m/s)	WD (deg)	S	WS (m/s)	WD (deg)	S	WS (m/s)	WD (deg)	S
11:00 AM - 12:00 PM	0.7	183.0	S	0.9	132.0	SE	1.1	134.0	SE	1.2	132.0	SE	0.6	112.0	ESE	1.1	117.0	ESE	1.6	127.0	SE
12:00 PM - 01:00 PM	0.7	121.0	ESE	0.6	132.0	SE	2.0	52.0	NE	0.2	-	-	2.0	151.0	SSE	1.0	74.0	ENE	1.1	120.0	ESE
01:00 PM - 02:00 PM	0.8	169.0	S	0.6	137.0	SE	0.8	224.0	SW	0.4	0.0	N	1.3	162.0	SSE	0.5	142.0	SE	1.2	122.0	ESE
02:00 PM - 03:00 PM	0.9	161.0	SSE	0.8	74.0	ENE	0.2	-	-	0.1	-	-	1.3	181.0	S	1.6	278.0	W	0.9	135.0	SE
03:00 PM - 04:00 PM	0.8	69.0	ENE	0.6	111.0	ESE	0.7	125.0	SE	0.0	-	-	0.4	155.0	SSE	0.5	269.0	W	3.0	89.0	E
04:00 PM - 05:00 PM	1.8	77.0	ENE	0.4	78.0	ENE	1.1	203.0	SSW	0.0	-	-	0.5	133.0	SE	0.1	-	-	1.2	75.0	ENE
05:00 PM - 06:00 PM	0.9	177.0	S	0.4	105.0	ESE	1.1	189.0	S	0.0	-	-	0.2	-	-	0.8	197.0	SSW	0.8	71.0	ENE
06:00 PM - 07:00 PM	2.8	163.0	SSE	0.5	112.0	ESE	2.7	179.0	S	0.0	-	-	0.0	-	-	0.8	152.0	SSE	1.9	11.0	N
07:00 PM - 08:00 PM	1.6	47.0	NE	1.2	51.0	NE	1.8	199.0	SSW	0.0	-	-	0.0	-	-	2.5	188.0	S	1.3	201.0	SSW
08:00 PM - 09:00 PM	1.4	167.0	SSE	0.5	43.0	NE	0.9	183.0	S	0.2	-	-	0.9	134.0	SE	2.1	187.0	S	0.5	261.0	W
09:00 PM - 10:00 PM	1.6	3.0	N	1.0	26.0	NNE	1.0	330.0	NNW	0.4	125.0	SE	0.8	181.0	S	1.6	160.0	SSE	0.2	-	-
10:00 PM - 11:00 PM	2.9	134.0	SE	1.2	188.0	S	0.7	321.0	NW	0.7	171.0	S	1.1	179.0	S	2.0	138.0	SE	1.0	108.0	ESE
11:00 PM - 12:00 AM	1.0	148.0	SSE	1.1	181.0	S	0.4	335.0	NNW	2.5	171.0	S	2.1	188.0	S	2.4	182.0	S	0.0	-	-
12:00 AM - 01:00 AM	0.7	29.0	NNE	0.8	196.0	SSW	1.2	164.0	SSE	0.5	148.0	SSE	1.7	150.0	SSE	1.7	181.0	S	0.3	211.0	SSW
01:00 AM - 02:00 AM	0.5	15.0	NNE	0.7	187.0	S	1.1	180.0	S	0.0	-	-	1.9	189.0	S	0.5	79.0	E	0.0	-	-
02:00 AM - 03:00 AM	0.7	141.0	SE	2.2	191.0	S	0.3	331.0	NNW	0.7	120.0	ESE	0.9	149.0	SSE	0.0	-	-	0.2	-	-
03:00 AM - 04:00 AM	0.6	158.0	SSE	2.0	185.0	S	2.2	154.0	SSE	0.0	-	-	0.6	186.0	S	1.0	122.0	ESE	0.0	-	-
04:00 AM - 05:00 AM	0.8	164.0	SSE	0.4	122.0	ESE	0.4	120.0	ESE	0.9	193.0	SSW	0.0	-	-	0.9	143.0	SE	0.0	-	-
05:00 AM - 06:00 AM	1.0	136.0	SE	0.0	-	-	0.2	-	-	0.2	-	-	0.0	-	-	0.7	63.0	ENE	0.0	-	-
06:00 AM - 07:00 AM	0.8	156.0	SSE	0.3	95.0	E	0.4	85.0	E	0.3	185.0	S	0.5	166.0	SSE	0.4	90.0	E	0.2	-	-
07:00 AM - 08:00 AM	0.9	105.0	ESE	0.2	-	-	0.1	-	-	1.5	184.0	S	0.6	134.0	SE	2.3	115.0	ESE	0.6	153.0	SSE
08:00 AM - 09:00 AM	0.8	120.0	ESE	0.3	98.0	E	0.9	179.0	S	0.0	-	-	1.4	157.0	SSE	1.2	151.0	SSE	0.7	142.0	SE
09:00 AM - 10:00 AM	0.4	131.0	SE	0.6	152.0	SE	1.0	119.0	ESE	1.8	173.0	S	0.6	148.0	SSE	2.1	151.0	SSE	0.9	135.0	SE
10:00 AM - 11:00 AM	0.5	148.0	SSE	1.3	136.0	SE	0.4	128.0	SE	2.8	128.0	SE	1.6	119.0	ESE	1.2	230.0	SW	1.1	158.0	SSE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitrantont  
Assistant General 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 : TPE Site 1

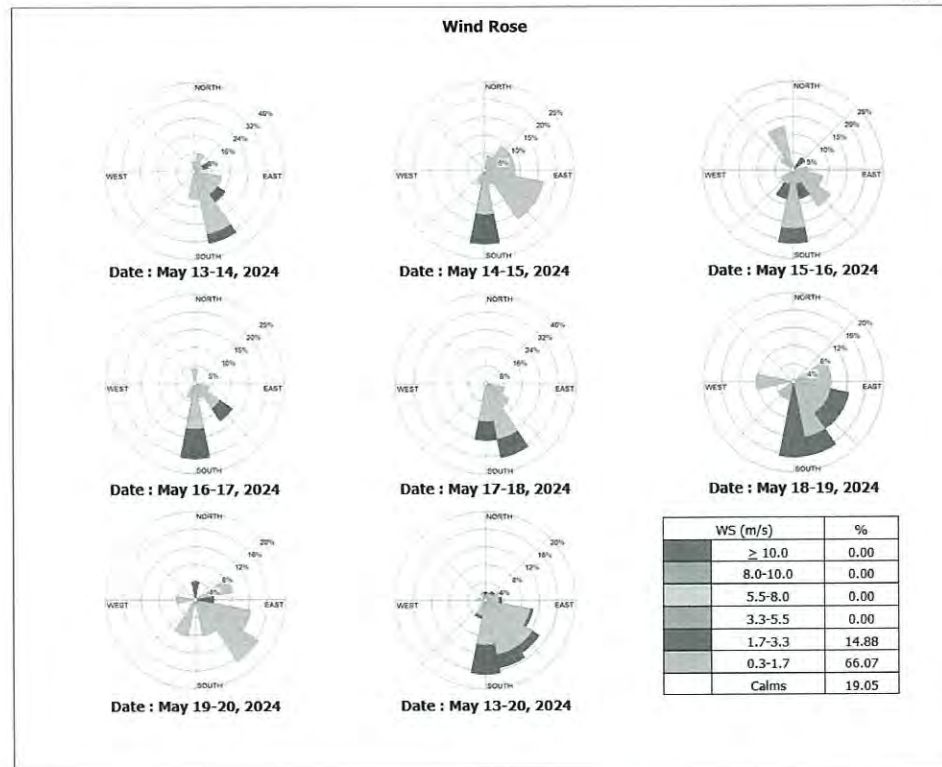
Lot ID: 2444821

Date Received : May 31, 2024

Date Reported : Jun 04, 2024

Report Number : 2971717-1

Page 2 of 2



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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 : 639886

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2444829

Date Received : May 31, 2024

Date Reported : Jun 04, 2024

Report Number : 3010801-1

Sample Number : 2444829-1 to 7  
Parameter : Wind Speed / Wind Direction  
Location : บ้านนาหวาด พืชทางลมเหนือ-ใต้ (GPS 47P 0730820, 1407376)  
Sampling Date : May 13 - May 20, 2024  
Sampling by : Anuwet Tema

Time	May 13 - May 14, 2024		May 14 - May 15, 2024		May 15 - May 16, 2024		May 16 - May 17, 2024		May 17 - May 18, 2024		May 18 - May 19, 2024		May 19 - May 20, 2024	
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)
09:00 AM - 10:00 AM	1.3	194.0	SSW	0.0	-	-	3.3	248.0	WSW	2.9	255.0	WSW	0.1	-
10:00 AM - 11:00 AM	1.7	190.0	S	0.4	132.0	SE	1.0	221.0	SW	3.0	130.0	SE	0.6	256.0
11:00 AM - 12:00 PM	2.1	185.0	S	0.0	-	-	0.6	314.0	NW	1.2	168.0	SSE	1.1	199.0
12:00 PM - 01:00 PM	2.3	212.0	SSW	1.0	219.0	SW	2.0	308.0	NW	2.0	5.0	N	3.3	259.0
01:00 PM - 02:00 PM	2.6	201.0	SSW	3.1	236.0	SW	2.8	259.0	W	1.2	317.0	NW	1.0	182.0
02:00 PM - 03:00 PM	1.5	202.0	SSW	2.1	293.0	WNW	1.3	275.0	W	0.3	257.0	WSW	1.4	265.0
03:00 PM - 04:00 PM	1.4	234.0	SW	4.1	325.0	NW	0.9	9.0	N	0.6	31.0	NNE	5.5	251.0
04:00 PM - 05:00 PM	1.7	224.0	SW	2.7	270.0	W	1.5	355.0	N	0.4	31.0	NNE	1.4	254.0
05:00 PM - 06:00 PM	1.1	13.0	NNE	4.0	328.0	NNW	1.0	200.0	SSW	0.2	-	-	0.7	270.0
06:00 PM - 07:00 PM	0.4	0.0	N	3.2	106.0	ESE	0.3	143.0	SE	0.3	318.0	NW	1.5	359.0
07:00 PM - 08:00 PM	1.9	10.0	N	3.7	198.0	SSW	0.3	111.0	ESE	0.5	102.0	ESE	0.2	-
08:00 PM - 09:00 PM	1.5	325.0	NW	2.1	172.0	S	1.2	10.0	N	1.0	20.0	NNE	0.8	39.0
09:00 PM - 10:00 PM	1.9	336.0	NNW	2.0	232.0	SW	0.3	12.0	NNE	0.6	20.0	NNE	0.3	175.0
10:00 PM - 11:00 PM	0.8	2.0	N	3.7	254.0	WSW	0.8	11.0	N	1.9	165.0	SSE	0.4	125.0
11:00 PM - 12:00 AM	0.5	15.0	NNE	1.9	108.0	ESE	1.5	214.0	SW	0.5	174.0	S	0.3	128.0
12:00 AM - 01:00 AM	1.4	33.0	NNE	2.2	190.0	S	1.6	323.0	NW	2.0	257.0	WSW	0.5	119.0
01:00 AM - 02:00 AM	0.3	8.0	N	2.9	8.0	N	1.1	13.0	NNE	0.6	339.0	NNW	1.0	32.0
02:00 AM - 03:00 AM	0.3	20.0	NNE	1.8	278.0	W	0.7	5.0	N	0.7	339.0	NNW	2.0	3.0
03:00 AM - 04:00 AM	0.3	15.0	NNE	0.3	336.0	NNW	1.9	4.0	N	1.2	3.0	N	0.6	95.0
04:00 AM - 05:00 AM	0.9	39.0	NE	1.4	43.0	NE	1.2	31.0	NNE	1.3	359.0	N	0.6	13.0
05:00 AM - 06:00 AM	2.3	29.0	NNE	1.5	175.0	S	2.2	29.0	NNE	0.6	18.0	NNE	1.8	359.0
06:00 AM - 07:00 AM	2.0	9.0	N	2.2	63.0	ENE	3.5	320.0	NW	0.4	357.0	N	2.4	221.0
07:00 AM - 08:00 AM	0.4	14.0	NNE	3.2	251.0	WSW	1.7	238.0	WSW	0.3	251.0	WSW	0.7	127.0
08:00 AM - 09:00 AM	1.2	29.0	NNE	2.9	236.0	SW	0.6	222.0	SW	0.3	200.0	SSW	1.1	253.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Assistant General 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 : 639886

Project Name : Environmental Monitoring

Project Location : TPE Site 1

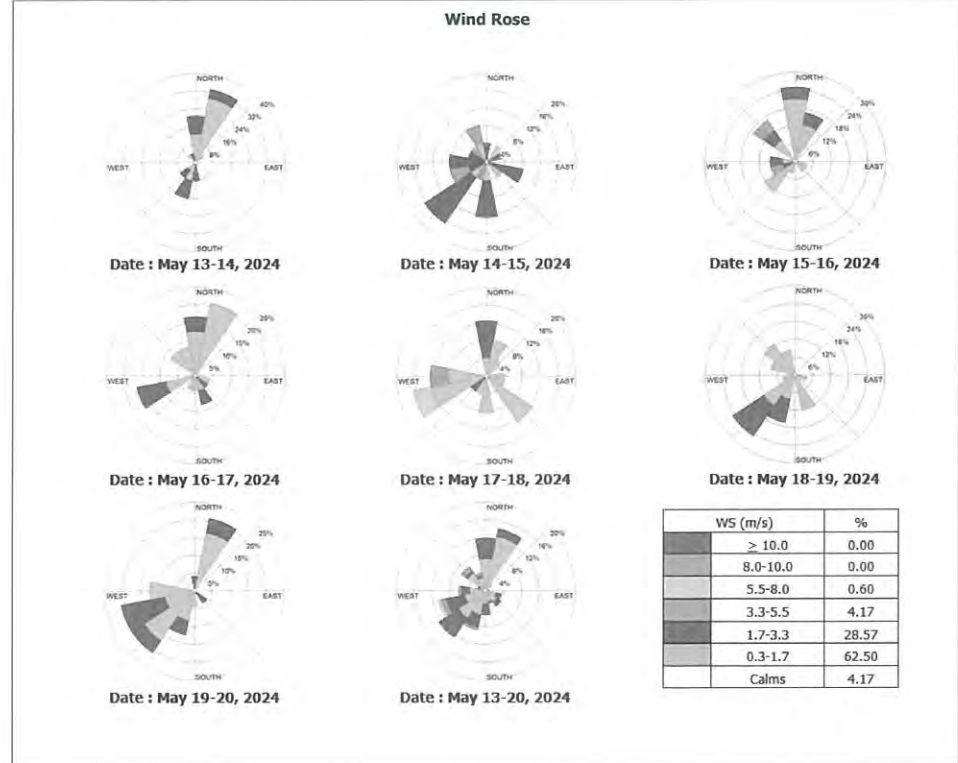
Lot ID: 2444829

Date Received : May 31, 2024

Date Reported : Jun 04, 2024

Report Number : 3010801-1

Page 2 of 2



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# ภาคผนวก ค-3

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คุณภาพน้ำ





## 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: 244084

Date Received : Jan 12, 2024

Date Reported : Feb 01, 2024

Report Number : 2883675-1 C1

Page 1 of 2

Sample Number	244084-1
Sampling Date	Jan 12, 2024 10:50 AM
Sample Description	Wastewater
Location	บ่อดักตะกอนคุณภาพน้ำ (Check Pond)
Date Analysis Commenced	Jan 12, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
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	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	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	232	≤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 7-323-จ-9445

Approved by

D. Changchon

Dej Changchon  
Manager

ทะเบียนเลขที่ 7-225-ก-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



TESTING

No.0042

Lot ID: 247075

Date Received : Feb 02, 2024

Date Reported : Feb 13, 2024

Report Number : 2889772-1 C1

Page 1 of 2

Sample Number	247075-1
Sampling Date	Feb 02, 2024 10:48 AM
Sample Description	Wastewater
Location	บ่อดักตะกอนคุณภาพน้ำ (Check Pond)
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	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	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	34.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	572	≤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	34	≤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 7-323-จ-9445

Approved by

D. Changchon

Dej Changchon  
Manager

ทะเบียนเลขที่ 7-225-ก-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



TESTING

No.0042

Lot ID: 2417336

Date Received : Mar 04, 2024

Date Reported : Apr 10, 2024

Report Number : 2910658-1 C1

Page 1 of 2

Sample Number	2417336-1						
Sampling Date	Mar 04, 2024 11:10 AM						
Sample Description	Wastewater						
Location	บ่อตรวจวัดคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Mar 04, 2024						
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
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	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.3	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	-	-	33.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	290	≤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	17	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Technical Management

N. Banchoongkit

Narumon Banchoongkit  
Supervisor

ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Changchon

Dej Changchon  
Manager

ทะเบียนเลขที่ ๖-225-๖-5283

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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



TESTING

No.0042

Lot ID: 2429702

Date Received : Apr 05, 2024

Date Reported : Apr 13, 2024

Report Number : 2937960-1 C1

Page 1 of 2

Sample Number	2429702-1						
Sampling Date	Apr 05, 2024 10:49 AM						
Sample Description	Wastewater						
Location	บ่อตรวจวัดคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Apr 05, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.4	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	34	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	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	-	-	-	7.4	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	-	-	34.4	≤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	372	≤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. Banchoongkit

Narumon Banchoongkit  
Supervisor

ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Changchon

Dej Changchon  
Manager

ทะเบียนเลขที่ ๖-225-๖-5283

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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



TESTING

No.0042

Lot ID: 2444084

Date Received : May 16, 2024

Date Reported : Jun 11, 2024

Report Number : 3018897-1 C1

Page 1 of 2

Sample Number	2444084-1						
Sampling Date	May 16, 2024 2:31 PM						
Sample Description	Wastewater						
Location	บ่อตรวจคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	May 16, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
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	-	-	-	7.4	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	-	-	35.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	504	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	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 : Surawit Narapong , Thanasoul Namakunna

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-9446

Approved by

Dej 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



TESTING

No.0042

Lot ID: 2460080

Date Received : Jun 07, 2024

Date Reported : Jul 05, 2024

Report Number : 3004544-1 C1

Page 1 of 2

Sample Number	2460080-1						
Sampling Date	Jun 07, 2024 11:13 AM						
Sample Description	Wastewater						
Location	บ่อตรวจคุณภาพน้ำ (Check Pond)						
Date Analysis Commenced	Jun 07, 2024						
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
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	6	≤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
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	124	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Sampling By : Paramet Sattayakun , Pattarapol Sawangjaitam

Technical Management

Chonticha S.

Chonticha Subongkoch  
Scientist (3)

ทะเบียนเลขที่ ว-323-จ-9449

Approved by

Dej 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 :

Project Name : Environmental Monitoring

Project Location: LDPE

Lot ID: 2467996

Date Received : Jun 17, 2024

Date Reported : Jun 19, 2024

Report Number : 3026781-1

Page 2 of 2

Sample Number 2467996-2  
Sampled Date Jun 17, 2024 2:58 PM  
Sample Description Wastewater  
Location Final Check Pond ของโรงงาน LDPE  
Date Analysis Commenced Jun 17, 2024  
Condition of Sample data sheet

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature	Degree C	-	-	33.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

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

**Sampling By :** Wanlop Hunchainaow ทะเบียนเลขที่ 7-323-ก-9457

Remark :

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

Technical Management

*Chonticha*

Chonticha Subongkoch  
Scientist (3)

ทะเบียนเลขที่ 7-323-ก-9449

Approved by

*Dej*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ 7-323-ก-9442

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# ภาคผนวก ค-4

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ระดับเสียงทั่วไป





## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2444056

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010685-1

Page 1 of 1

Sample Number 2444056-1  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731760, 1404872)  
Measurement Date May 13 - May 14, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.0	89.3	58.8
11:00 AM - 12:00 PM	60.7	82.1	58.2
12:00 PM - 01:00 PM	60.7	83.4	58.4
01:00 PM - 02:00 PM	60.5	76.3	58.4
02:00 PM - 03:00 PM	60.6	81.1	58.6
03:00 PM - 04:00 PM	61.7	77.3	59.7
04:00 PM - 05:00 PM	62.8	74.9	61.3
05:00 PM - 06:00 PM	62.0	79.9	60.1
06:00 PM - 07:00 PM	61.9	81.8	60.3
07:00 PM - 08:00 PM	61.5	70.9	59.5
08:00 PM - 09:00 PM	60.7	70.5	58.5
09:00 PM - 10:00 PM	61.2	77.2	59.2
10:00 PM - 11:00 PM	62.3	76.5	60.9
11:00 PM - 12:00 AM	61.4	74.1	59.7
12:00 AM - 01:00 AM	61.0	73.8	58.9
01:00 AM - 02:00 AM	61.3	83.3	59.0
02:00 AM - 03:00 AM	60.7	71.5	58.8
03:00 AM - 04:00 AM	60.8	68.8	59.2
04:00 AM - 05:00 AM	61.5	77.5	59.7
05:00 AM - 06:00 AM	63.0	85.0	60.9
06:00 AM - 07:00 AM	62.1	87.1	60.2
07:00 AM - 08:00 AM	62.0	78.4	59.8
08:00 AM - 09:00 AM	61.6	81.1	59.3
09:00 AM - 10:00 AM	61.3	81.1	59.0

Leq Average 24 hrs. (dB(A))

61.5

Lmax (dB(A))

89.3

L90 (dB(A))

59.2

Ldn (dB(A))

68.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2444056

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010686-1

Page 1 of 1

Sample Number 2444056-2  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731760, 1404872)  
Measurement Date May 14 - May 15, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.0	82.3	58.9
11:00 AM - 12:00 PM	60.6	75.7	58.4
12:00 PM - 01:00 PM	60.8	75.7	58.6
01:00 PM - 02:00 PM	61.6	75.9	60.0
02:00 PM - 03:00 PM	60.9	81.0	58.3
03:00 PM - 04:00 PM	60.6	82.8	58.4
04:00 PM - 05:00 PM	60.6	81.8	57.9
05:00 PM - 06:00 PM	61.0	80.9	58.1
06:00 PM - 07:00 PM	61.0	80.4	58.6
07:00 PM - 08:00 PM	60.8	85.9	57.9
08:00 PM - 09:00 PM	61.2	81.8	58.4
09:00 PM - 10:00 PM	60.9	84.1	58.4
10:00 PM - 11:00 PM	60.2	77.2	57.7
11:00 PM - 12:00 AM	61.2	70.8	59.3
12:00 AM - 01:00 AM	59.9	70.4	57.7
01:00 AM - 02:00 AM	60.2	70.1	57.9
02:00 AM - 03:00 AM	59.8	75.6	57.5
03:00 AM - 04:00 AM	60.1	73.6	58.2
04:00 AM - 05:00 AM	60.3	75.3	57.7
05:00 AM - 06:00 AM	61.0	77.8	58.4
06:00 AM - 07:00 AM	61.2	81.5	58.6
07:00 AM - 08:00 AM	61.3	77.3	59.0
08:00 AM - 09:00 AM	61.9	82.4	59.1
09:00 AM - 10:00 AM	62.1	81.3	59.7

Leq Average 24 hrs. (dB(A))

60.9

Lmax (dB(A))

85.9

L90 (dB(A))

58.4

Ldn (dB(A))

67.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2444056

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010687-1

Sample Number 2444056-3  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731760, 1404872)  
Measurement Date May 15 - May 16, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.9	79.3	58.3
11:00 AM - 12:00 PM	65.8	87.3	57.3
12:00 PM - 01:00 PM	59.7	77.5	57.5
01:00 PM - 02:00 PM	59.6	79.0	57.2
02:00 PM - 03:00 PM	60.2	78.6	57.9
03:00 PM - 04:00 PM	60.6	79.0	58.3
04:00 PM - 05:00 PM	61.4	80.3	59.6
05:00 PM - 06:00 PM	61.5	83.2	59.1
06:00 PM - 07:00 PM	61.0	80.5	58.8
07:00 PM - 08:00 PM	60.4	84.7	57.9
08:00 PM - 09:00 PM	62.1	83.0	59.6
09:00 PM - 10:00 PM	60.7	77.1	59.2
10:00 PM - 11:00 PM	61.6	78.1	60.0
11:00 PM - 12:00 AM	60.9	77.1	59.4
12:00 AM - 01:00 AM	61.2	88.2	59.3
01:00 AM - 02:00 AM	61.0	85.9	58.7
02:00 AM - 03:00 AM	60.5	76.5	59.1
03:00 AM - 04:00 AM	60.2	87.3	58.4
04:00 AM - 05:00 AM	60.2	73.7	58.9
05:00 AM - 06:00 AM	61.0	74.3	59.2
06:00 AM - 07:00 AM	61.4	86.7	59.5
07:00 AM - 08:00 AM	61.5	78.9	59.1
08:00 AM - 09:00 AM	60.8	77.9	58.6
09:00 AM - 10:00 AM	61.3	82.8	58.8

Leq Average 24 hrs. (dB(A))

61.3

Lmax (dB(A))

88.2

L90 (dB(A))

58.8

Ldn (dB(A))

67.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2444056

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010688-1

Sample Number 2444056-4  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731760, 1404872)  
Measurement Date May 16 - May 17, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.1	74.9	58.3
11:00 AM - 12:00 PM	60.2	72.4	58.4
12:00 PM - 01:00 PM	60.5	81.2	58.5
01:00 PM - 02:00 PM	63.7	80.1	62.5
02:00 PM - 03:00 PM	63.2	79.2	62.0
03:00 PM - 04:00 PM	63.6	78.8	62.4
04:00 PM - 05:00 PM	62.6	79.1	60.5
05:00 PM - 06:00 PM	61.4	79.7	59.1
06:00 PM - 07:00 PM	60.5	73.6	58.3
07:00 PM - 08:00 PM	60.2	83.3	58.2
08:00 PM - 09:00 PM	59.4	70.9	57.7
09:00 PM - 10:00 PM	60.1	69.2	58.6
10:00 PM - 11:00 PM	60.8	76.2	58.9
11:00 PM - 12:00 AM	62.1	70.2	60.6
12:00 AM - 01:00 AM	65.1	82.8	59.6
01:00 AM - 02:00 AM	60.0	74.3	58.3
02:00 AM - 03:00 AM	59.5	74.1	57.6
03:00 AM - 04:00 AM	59.8	68.0	58.7
04:00 AM - 05:00 AM	60.0	73.3	58.1
05:00 AM - 06:00 AM	61.6	82.9	59.7
06:00 AM - 07:00 AM	62.3	86.3	59.6
07:00 AM - 08:00 AM	61.5	74.8	59.3
08:00 AM - 09:00 AM	61.0	82.2	58.6
09:00 AM - 10:00 AM	60.9	81.2	57.8

Leq Average 24 hrs. (dB(A))

61.5

Lmax (dB(A))

86.3

L90 (dB(A))

58.6

Ldn (dB(A))

68.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site I

Lot ID: 2444056

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010689-1

Page 1 of 1

Sample Number 2444056-5  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731760, 1404872)  
Measurement Date May 17 - May 18, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.7	79.1	57.1
11:00 AM - 12:00 PM	59.6	92.6	57.1
12:00 PM - 01:00 PM	59.9	81.0	57.2
01:00 PM - 02:00 PM	59.7	88.1	57.2
02:00 PM - 03:00 PM	60.7	84.6	58.3
03:00 PM - 04:00 PM	60.7	83.0	58.5
04:00 PM - 05:00 PM	60.7	77.9	58.6
05:00 PM - 06:00 PM	60.7	80.5	58.0
06:00 PM - 07:00 PM	60.2	76.2	58.2
07:00 PM - 08:00 PM	61.0	77.0	57.7
08:00 PM - 09:00 PM	60.2	72.7	58.3
09:00 PM - 10:00 PM	60.0	76.7	58.1
10:00 PM - 11:00 PM	60.4	78.4	58.8
11:00 PM - 12:00 AM	60.0	78.6	58.2
12:00 AM - 01:00 AM	59.8	69.9	58.5
01:00 AM - 02:00 AM	60.1	79.6	58.3
02:00 AM - 03:00 AM	59.8	78.5	58.1
03:00 AM - 04:00 AM	59.6	70.4	57.9
04:00 AM - 05:00 AM	60.7	76.5	58.7
05:00 AM - 06:00 AM	60.9	75.9	59.4
06:00 AM - 07:00 AM	60.8	75.3	58.8
07:00 AM - 08:00 AM	61.7	74.8	58.9
08:00 AM - 09:00 AM	61.8	82.7	59.1
09:00 AM - 10:00 AM	60.7	76.2	59.1

Leq Average 24 hrs. (dB(A))

60.4

Lmax (dB(A))

92.6

L90 (dB(A))

58.3

Ldn (dB(A))

66.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site I

Lot ID: 2444056

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010690-1

Page 1 of 1

Sample Number 2444056-6  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1 (GPS 47P 0731760, 1404872)  
Measurement Date May 18 - May 19, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.3	77.4	58.3
11:00 AM - 12:00 PM	59.8	73.8	57.9
12:00 PM - 01:00 PM	60.4	78.1	57.1
01:00 PM - 02:00 PM	61.6	71.2	60.1
02:00 PM - 03:00 PM	60.3	77.0	57.6
03:00 PM - 04:00 PM	59.9	71.3	58.1
04:00 PM - 05:00 PM	60.1	72.3	58.0
05:00 PM - 06:00 PM	60.0	73.0	58.3
06:00 PM - 07:00 PM	59.8	72.8	58.1
07:00 PM - 08:00 PM	59.9	71.9	58.2
08:00 PM - 09:00 PM	59.8	72.9	58.3
09:00 PM - 10:00 PM	59.8	73.0	58.4
10:00 PM - 11:00 PM	60.1	73.5	58.8
11:00 PM - 12:00 AM	60.8	69.0	58.7
12:00 AM - 01:00 AM	60.4	68.9	57.7
01:00 AM - 02:00 AM	58.7	71.5	56.8
02:00 AM - 03:00 AM	58.9	70.5	57.3
03:00 AM - 04:00 AM	58.6	69.8	56.6
04:00 AM - 05:00 AM	58.9	71.4	57.1
05:00 AM - 06:00 AM	59.8	76.2	57.7
06:00 AM - 07:00 AM	60.9	80.2	58.3
07:00 AM - 08:00 AM	60.5	79.9	57.8
08:00 AM - 09:00 AM	60.1	76.5	57.6
09:00 AM - 10:00 AM	60.5	81.9	57.5

Leq Average 24 hrs. (dB(A))

60.1

Lmax (dB(A))

81.9

L90 (dB(A))

57.9

Ldn (dB(A))

66.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID: 2444056

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010691-1

Sample Number : 2444056-7  
Parameter : Noise (Leq 24 hrs.)  
Location : อาคารสำนักงานของโรงงาน TPE Site#1 (GPS 47P 0731760, 1404872)  
Measurement Date : May 19 - May 20, 2024  
Measurement by : Anuwet Tema  
Sound Level meter : Serial No. 233183

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.7	86.2	56.9
11:00 AM - 12:00 PM	59.9	81.1	56.7
12:00 PM - 01:00 PM	59.5	83.0	57.0
01:00 PM - 02:00 PM	59.7	85.6	56.8
02:00 PM - 03:00 PM	60.7	82.4	57.1
03:00 PM - 04:00 PM	60.0	70.5	58.1
04:00 PM - 05:00 PM	59.9	78.5	57.5
05:00 PM - 06:00 PM	59.9	84.5	57.5
06:00 PM - 07:00 PM	59.2	77.7	56.6
07:00 PM - 08:00 PM	59.6	85.1	57.2
08:00 PM - 09:00 PM	59.2	80.1	56.6
09:00 PM - 10:00 PM	59.1	75.2	57.0
10:00 PM - 11:00 PM	59.2	76.1	56.7
11:00 PM - 12:00 AM	59.3	75.5	57.1
12:00 AM - 01:00 AM	59.3	84.4	56.7
01:00 AM - 02:00 AM	59.8	71.5	58.0
02:00 AM - 03:00 AM	59.6	69.0	57.9
03:00 AM - 04:00 AM	59.7	68.9	58.4
04:00 AM - 05:00 AM	60.3	76.6	57.8
05:00 AM - 06:00 AM	61.6	77.0	59.7
06:00 AM - 07:00 AM	61.2	75.7	59.3
07:00 AM - 08:00 AM	61.2	83.9	58.1
08:00 AM - 09:00 AM	60.9	82.9	58.3
09:00 AM - 10:00 AM	60.0	74.0	57.9

Leq Average 24 hrs. (dB(A)) : 60.0  
Lmax (dB(A)) : 86.2  
L90 (dB(A)) : 57.2  
Ldn (dB(A)) : 66.5  
Standard (dB(A)) : 70

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010669-1

Sample Number : 2444809-1  
Parameter : Noise (Leq 24 hrs.)  
Location : ห้างกลางร้านค้าหน้าตึกโรงงาน LDPE ติดถนนของนิคม (GPS 47P 0731925, 1404867)  
Measurement Date : May 13 - May 14, 2024  
Measurement by : Anuwet Tema  
Sound Level meter : Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.9	72.5	67.4
12:00 PM - 01:00 PM	67.6	82.7	67.3
01:00 PM - 02:00 PM	67.6	79.7	66.0
02:00 PM - 03:00 PM	67.5	74.0	66.3
03:00 PM - 04:00 PM	67.8	95.0	66.1
04:00 PM - 05:00 PM	68.5	77.8	68.1
05:00 PM - 06:00 PM	67.6	73.9	66.5
06:00 PM - 07:00 PM	68.7	71.2	68.3
07:00 PM - 08:00 PM	67.9	71.9	66.6
08:00 PM - 09:00 PM	68.4	72.1	68.0
09:00 PM - 10:00 PM	67.8	71.3	66.6
10:00 PM - 11:00 PM	68.6	72.6	68.3
11:00 PM - 12:00 AM	67.9	69.6	66.6
12:00 AM - 01:00 AM	68.8	70.7	66.7
01:00 AM - 02:00 AM	69.0	70.6	67.3
02:00 AM - 03:00 AM	68.7	70.7	67.0
03:00 AM - 04:00 AM	69.2	73.7	68.8
04:00 AM - 05:00 AM	68.5	71.1	66.7
05:00 AM - 06:00 AM	69.7	71.2	69.3
06:00 AM - 07:00 AM	69.1	71.1	67.3
07:00 AM - 08:00 AM	68.9	72.9	68.4
08:00 AM - 09:00 AM	67.3	78.1	66.1
09:00 AM - 10:00 AM	68.6	71.6	68.2
10:00 AM - 11:00 AM	67.7	75.1	66.1

Leq Average 24 hrs. (dB(A)) : 68.4  
Lmax (dB(A)) : 95.0  
L90 (dB(A)) : 67.0  
Ldn (dB(A)) : 75.2  
Standard (dB(A)) : 70

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010670-1

Page 1 of 1

Sample Number 2444809-2  
Parameter Noise (Leq 24 hrs.)  
Location กังกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731925, 1404867)  
Measurement Date May 14 - May 15, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.9	70.5	66.2
12:00 PM - 01:00 PM	68.3	69.9	67.9
01:00 PM - 02:00 PM	67.3	72.7	66.3
02:00 PM - 03:00 PM	67.8	81.8	67.4
03:00 PM - 04:00 PM	67.5	71.4	66.3
04:00 PM - 05:00 PM	67.9	76.7	67.6
05:00 PM - 06:00 PM	66.8	70.4	66.0
06:00 PM - 07:00 PM	68.1	76.5	67.8
07:00 PM - 08:00 PM	67.3	78.8	66.2
08:00 PM - 09:00 PM	68.1	70.3	67.7
09:00 PM - 10:00 PM	67.8	72.9	66.3
10:00 PM - 11:00 PM	67.6	69.1	66.3
11:00 PM - 12:00 AM	67.7	72.0	67.5
12:00 AM - 01:00 AM	67.5	69.5	66.2
01:00 AM - 02:00 AM	67.8	72.0	67.6
02:00 AM - 03:00 AM	67.6	71.4	66.3
03:00 AM - 04:00 AM	68.7	74.0	68.4
04:00 AM - 05:00 AM	67.7	70.6	66.3
05:00 AM - 06:00 AM	68.6	69.9	68.3
06:00 AM - 07:00 AM	67.7	70.4	66.1
07:00 AM - 08:00 AM	68.5	70.3	68.2
08:00 AM - 09:00 AM	68.7	82.6	68.1
09:00 AM - 10:00 AM	68.4	71.0	66.7
10:00 AM - 11:00 AM	67.5	71.6	65.5

Leq Average 24 hrs. (dB(A))

67.9

Lmax (dB(A))

82.6

L90 (dB(A))

66.3

Ldn (dB(A))

74.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010671-1

Page 1 of 1

Sample Number 2444809-3  
Parameter Noise (Leq 24 hrs.)  
Location กังกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731925, 1404867)  
Measurement Date May 15 - May 16, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.2	72.3	65.4
12:00 PM - 01:00 PM	67.7	83.0	67.2
01:00 PM - 02:00 PM	67.0	75.4	65.5
02:00 PM - 03:00 PM	67.7	71.3	67.4
03:00 PM - 04:00 PM	68.4	75.7	66.4
04:00 PM - 05:00 PM	69.8	82.1	69.5
05:00 PM - 06:00 PM	69.2	72.3	66.0
06:00 PM - 07:00 PM	69.9	75.4	69.5
07:00 PM - 08:00 PM	68.2	71.1	65.7
08:00 PM - 09:00 PM	70.0	72.6	69.6
09:00 PM - 10:00 PM	67.5	71.4	65.7
10:00 PM - 11:00 PM	66.0	70.3	65.1
11:00 PM - 12:00 AM	67.7	71.2	65.7
12:00 AM - 01:00 AM	69.6	72.3	69.3
01:00 AM - 02:00 AM	68.1	71.2	65.7
02:00 AM - 03:00 AM	69.5	71.3	65.9
03:00 AM - 04:00 AM	67.9	71.5	65.9
04:00 AM - 05:00 AM	67.6	70.3	66.0
05:00 AM - 06:00 AM	67.3	69.4	65.6
06:00 AM - 07:00 AM	67.3	85.5	65.7
07:00 AM - 08:00 AM	67.9	70.2	66.0
08:00 AM - 09:00 AM	66.7	72.8	65.4
09:00 AM - 10:00 AM	68.2	72.5	67.7
10:00 AM - 11:00 AM	66.5	70.1	65.6

Leq Average 24 hrs. (dB(A))

68.2

Lmax (dB(A))

85.5

L90 (dB(A))

65.9

Ldn (dB(A))

74.5

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010672-1

Page 1 of 1

Sample Number	2444809-4
Parameter	Noise (Leq 24 hrs.)
Location	กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731925, 1404867)
Measurement Date	May 16 - May 17, 2024
Measurement by	Anuwet Tema
Sound Level meter	Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	68.1	72.0	67.6
12:00 PM - 01:00 PM	66.4	74.3	66.0
01:00 PM - 02:00 PM	68.1	83.0	67.7
02:00 PM - 03:00 PM	67.0	71.8	66.4
03:00 PM - 04:00 PM	67.9	81.0	67.6
04:00 PM - 05:00 PM	66.8	71.4	65.9
05:00 PM - 06:00 PM	67.6	71.2	66.2
06:00 PM - 07:00 PM	67.0	72.4	65.6
07:00 PM - 08:00 PM	67.1	78.7	65.7
08:00 PM - 09:00 PM	66.4	70.0	65.6
09:00 PM - 10:00 PM	67.3	71.0	67.0
10:00 PM - 11:00 PM	66.6	73.4	65.7
11:00 PM - 12:00 AM	67.3	73.2	67.0
12:00 AM - 01:00 AM	67.1	69.9	66.0
01:00 AM - 02:00 AM	66.7	72.0	65.6
02:00 AM - 03:00 AM	69.2	71.7	66.7
03:00 AM - 04:00 AM	66.9	69.1	64.3
04:00 AM - 05:00 AM	68.6	71.6	66.5
05:00 AM - 06:00 AM	67.5	70.3	66.4
06:00 AM - 07:00 AM	68.9	72.3	66.6
07:00 AM - 08:00 AM	69.1	70.5	68.8
08:00 AM - 09:00 AM	69.1	76.2	65.9
09:00 AM - 10:00 AM	69.5	80.0	66.0
10:00 AM - 11:00 AM	69.2	74.8	65.8

Leq Average 24 hrs. (dB(A))	67.8		
Lmax (dB(A))		83.0	
L90 (dB(A))			66.0
Ldn (dB(A))	74.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010673-1

Page 1 of 1

Sample Number	2444809-5
Parameter	Noise (Leq 24 hrs.)
Location	กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731925, 1404867)
Measurement Date	May 17 - May 18, 2024
Measurement by	Anuwet Tema
Sound Level meter	Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	68.5	71.3	65.9
12:00 PM - 01:00 PM	67.9	85.3	66.2
01:00 PM - 02:00 PM	67.4	79.0	65.8
02:00 PM - 03:00 PM	68.2	74.5	67.9
03:00 PM - 04:00 PM	67.7	74.7	66.1
04:00 PM - 05:00 PM	68.1	74.7	67.8
05:00 PM - 06:00 PM	67.5	69.9	65.9
06:00 PM - 07:00 PM	68.6	71.9	68.1
07:00 PM - 08:00 PM	67.3	71.2	65.9
08:00 PM - 09:00 PM	68.2	70.6	67.9
09:00 PM - 10:00 PM	67.4	74.5	65.9
10:00 PM - 11:00 PM	68.3	72.6	67.9
11:00 PM - 12:00 AM	67.3	69.3	66.0
12:00 AM - 01:00 AM	67.5	69.1	67.2
01:00 AM - 02:00 AM	67.2	68.8	66.0
02:00 AM - 03:00 AM	67.2	71.0	65.8
03:00 AM - 04:00 AM	67.2	69.8	65.8
04:00 AM - 05:00 AM	67.2	70.4	65.9
05:00 AM - 06:00 AM	67.4	69.6	66.3
06:00 AM - 07:00 AM	66.9	75.5	65.7
07:00 AM - 08:00 AM	67.2	70.1	67.0
08:00 AM - 09:00 AM	66.7	78.8	65.7
09:00 AM - 10:00 AM	67.4	72.2	67.1
10:00 AM - 11:00 AM	67.6	74.9	66.4

Leq Average 24 hrs. (dB(A))	67.6		
Lmax (dB(A))		85.3	
L90 (dB(A))			66.0
Ldn (dB(A))	73.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010674-1

Page 1 of 1

Sample Number : 2444809-6  
Parameter : Noise (Leq 24 hrs.)  
Location : กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731925, 1404867)  
Measurement Date : May 18 - May 19, 2024  
Measurement by : Anuwet Tema  
Sound Level meter : Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	69.7	71.2	69.3
12:00 PM - 01:00 PM	68.2	71.2	65.7
01:00 PM - 02:00 PM	69.7	76.0	69.3
02:00 PM - 03:00 PM	69.0	82.4	65.9
03:00 PM - 04:00 PM	69.7	80.1	69.4
04:00 PM - 05:00 PM	68.6	72.5	65.7
05:00 PM - 06:00 PM	69.1	71.2	66.0
06:00 PM - 07:00 PM	68.8	71.0	66.2
07:00 PM - 08:00 PM	69.1	72.0	66.1
08:00 PM - 09:00 PM	69.0	70.9	66.0
09:00 PM - 10:00 PM	69.3	71.0	66.3
10:00 PM - 11:00 PM	67.9	71.0	66.5
11:00 PM - 12:00 AM	67.4	69.1	66.1
12:00 AM - 01:00 AM	68.1	75.1	67.7
01:00 AM - 02:00 AM	67.0	70.9	65.8
02:00 AM - 03:00 AM	67.9	69.3	67.6
03:00 AM - 04:00 AM	66.9	69.1	65.5
04:00 AM - 05:00 AM	67.9	69.1	67.6
05:00 AM - 06:00 AM	67.3	69.3	65.6
06:00 AM - 07:00 AM	67.8	73.1	67.5
07:00 AM - 08:00 AM	67.1	73.1	65.7
08:00 AM - 09:00 AM	67.7	77.9	66.3
09:00 AM - 10:00 AM	66.8	72.1	65.7
10:00 AM - 11:00 AM	67.0	73.1	65.9

Leq Average 24 hrs. (dB(A))

68.3

Lmax (dB(A))

82.4

L90 (dB(A))

66.1

Ldn (dB(A))

74.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsurwong  
Scientist (4)

Approved by

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Supot Salamteh  
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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010675-1

Page 1 of 1

Sample Number : 2444809-7  
Parameter : Noise (Leq 24 hrs.)  
Location : กึ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม (GPS 47P 0731925, 1404867)  
Measurement Date : May 19 - May 20, 2024  
Measurement by : Anuwet Tema  
Sound Level meter : Serial No. 233184

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.5	69.7	65.4
12:00 PM - 01:00 PM	67.0	69.7	66.6
01:00 PM - 02:00 PM	66.7	78.2	65.5
02:00 PM - 03:00 PM	67.1	71.1	65.7
03:00 PM - 04:00 PM	66.9	69.7	65.8
04:00 PM - 05:00 PM	66.3	70.6	65.4
05:00 PM - 06:00 PM	67.0	70.4	66.7
06:00 PM - 07:00 PM	66.5	69.3	65.4
07:00 PM - 08:00 PM	67.2	68.6	66.9
08:00 PM - 09:00 PM	66.5	68.5	64.8
09:00 PM - 10:00 PM	66.5	70.5	65.1
10:00 PM - 11:00 PM	66.8	69.6	65.7
11:00 PM - 12:00 AM	66.7	70.6	65.5
12:00 AM - 01:00 AM	66.4	70.7	65.5
01:00 AM - 02:00 AM	66.9	70.0	65.5
02:00 AM - 03:00 AM	66.4	69.3	63.4
03:00 AM - 04:00 AM	66.5	69.8	66.0
04:00 AM - 05:00 AM	67.5	70.5	65.4
05:00 AM - 06:00 AM	66.8	73.8	66.4
06:00 AM - 07:00 AM	65.8	68.0	64.7
07:00 AM - 08:00 AM	66.7	68.9	64.1
08:00 AM - 09:00 AM	68.8	79.0	67.4
09:00 AM - 10:00 AM	68.1	70.9	67.0
10:00 AM - 11:00 AM	65.4	71.5	64.3

Leq Average 24 hrs. (dB(A))

66.8

Lmax (dB(A))

79.0

L90 (dB(A))

65.5

Ldn (dB(A))

73.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsurwong  
Scientist (4)

Approved by

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010676-1

Page 1 of 1

Sample Number 2444809-8  
Parameter Noise (Leq 24 hrs.)  
Location ห้างกลางบริเวณพื้นที่ตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732113, 1404917)  
Measurement Date May 13 - May 14, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.9	76.4	66.2
12:00 PM - 01:00 PM	66.8	71.3	66.1
01:00 PM - 02:00 PM	66.8	81.8	66.1
02:00 PM - 03:00 PM	67.1	81.7	66.3
03:00 PM - 04:00 PM	67.0	84.0	66.4
04:00 PM - 05:00 PM	67.3	73.2	66.6
05:00 PM - 06:00 PM	67.1	83.0	66.5
06:00 PM - 07:00 PM	67.3	70.7	66.6
07:00 PM - 08:00 PM	67.2	69.8	66.6
08:00 PM - 09:00 PM	67.3	70.7	66.4
09:00 PM - 10:00 PM	67.0	69.2	66.3
10:00 PM - 11:00 PM	67.7	71.4	66.9
11:00 PM - 12:00 AM	67.5	70.4	66.8
12:00 AM - 01:00 AM	67.1	69.4	66.4
01:00 AM - 02:00 AM	67.2	69.6	66.5
02:00 AM - 03:00 AM	67.3	69.4	66.6
03:00 AM - 04:00 AM	67.2	70.8	66.5
04:00 AM - 05:00 AM	67.4	70.5	66.7
05:00 AM - 06:00 AM	67.6	73.1	67.0
06:00 AM - 07:00 AM	67.7	75.3	67.1
07:00 AM - 08:00 AM	67.5	71.3	66.9
08:00 AM - 09:00 AM	67.5	80.3	66.8
09:00 AM - 10:00 AM	67.6	90.5	66.8
10:00 AM - 11:00 AM	67.7	88.0	66.9

Leq Average 24 hrs. (dB(A)) 67.3

Lmax (dB(A)) 90.5

L90 (dB(A)) 66.6

Ldn (dB(A)) 73.8

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

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Supot Salamteh  
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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010677-1

Page 1 of 1

Sample Number 2444809-9  
Parameter Noise (Leq 24 hrs.)  
Location ห้างกลางบริเวณพื้นที่ตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732113, 1404917)  
Measurement Date May 14 - May 15, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.3	83.8	66.7
12:00 PM - 01:00 PM	67.3	71.6	66.7
01:00 PM - 02:00 PM	67.4	78.1	66.8
02:00 PM - 03:00 PM	67.6	74.1	67.1
03:00 PM - 04:00 PM	68.0	87.7	67.4
04:00 PM - 05:00 PM	68.3	90.3	67.7
05:00 PM - 06:00 PM	68.2	74.6	67.7
06:00 PM - 07:00 PM	68.3	70.2	67.7
07:00 PM - 08:00 PM	68.1	69.8	67.5
08:00 PM - 09:00 PM	68.1	72.7	67.5
09:00 PM - 10:00 PM	68.1	70.2	67.5
10:00 PM - 11:00 PM	68.0	69.9	67.5
11:00 PM - 12:00 AM	68.0	71.7	67.5
12:00 AM - 01:00 AM	68.0	70.0	67.4
01:00 AM - 02:00 AM	68.1	70.5	67.6
02:00 AM - 03:00 AM	68.2	70.1	67.6
03:00 AM - 04:00 AM	68.1	75.9	67.6
04:00 AM - 05:00 AM	68.0	69.5	67.5
05:00 AM - 06:00 AM	68.0	70.6	67.4
06:00 AM - 07:00 AM	67.9	71.5	67.4
07:00 AM - 08:00 AM	67.8	71.0	67.3
08:00 AM - 09:00 AM	68.1	70.5	67.6
09:00 AM - 10:00 AM	68.2	77.1	67.1
10:00 AM - 11:00 AM	67.1	72.1	66.5

Leq Average 24 hrs. (dB(A)) 67.9

Lmax (dB(A)) 90.3

L90 (dB(A)) 67.5

Ldn (dB(A)) 74.4

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010678-1

Page 1 of 1

Sample Number	2444809-10
Parameter	Noise (Leq 24 hrs.)
Location	กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732113, 1404917)
Measurement Date	May 15 - May 16, 2024
Measurement by	Anuwet Tema
Sound Level meter	Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.1	75.5	66.4
12:00 PM - 01:00 PM	67.0	73.9	66.2
01:00 PM - 02:00 PM	66.9	71.0	66.2
02:00 PM - 03:00 PM	67.0	73.5	66.3
03:00 PM - 04:00 PM	66.7	73.0	66.0
04:00 PM - 05:00 PM	66.7	70.6	66.0
05:00 PM - 06:00 PM	66.7	69.5	66.0
06:00 PM - 07:00 PM	66.7	73.3	66.0
07:00 PM - 08:00 PM	66.6	71.3	66.0
08:00 PM - 09:00 PM	66.7	69.9	65.9
09:00 PM - 10:00 PM	66.8	72.9	66.1
10:00 PM - 11:00 PM	66.7	70.6	66.0
11:00 PM - 12:00 AM	66.9	70.4	66.1
12:00 AM - 01:00 AM	66.7	71.1	65.9
01:00 AM - 02:00 AM	66.5	69.9	65.8
02:00 AM - 03:00 AM	66.5	68.2	65.8
03:00 AM - 04:00 AM	66.4	73.4	65.8
04:00 AM - 05:00 AM	66.4	69.6	65.8
05:00 AM - 06:00 AM	66.5	75.8	65.9
06:00 AM - 07:00 AM	66.5	81.3	65.9
07:00 AM - 08:00 AM	66.8	76.8	66.2
08:00 AM - 09:00 AM	66.8	83.4	66.1
09:00 AM - 10:00 AM	66.6	80.6	65.9
10:00 AM - 11:00 AM	66.9	89.7	66.0

Leq Average 24 hrs. (dB(A))

66.7

Lmax (dB(A))

89.7

L90 (dB(A))

66.0

Ldn (dB(A))

73.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010679-1

Page 1 of 1

Sample Number	2444809-11
Parameter	Noise (Leq 24 hrs.)
Location	กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732113, 1404917)
Measurement Date	May 16 - May 17, 2024
Measurement by	Anuwet Tema
Sound Level meter	Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.8	80.6	66.1
12:00 PM - 01:00 PM	66.8	76.5	66.1
01:00 PM - 02:00 PM	66.9	80.6	66.1
02:00 PM - 03:00 PM	66.8	71.6	66.2
03:00 PM - 04:00 PM	66.8	75.5	66.2
04:00 PM - 05:00 PM	66.8	71.3	66.2
05:00 PM - 06:00 PM	66.8	75.0	66.1
06:00 PM - 07:00 PM	66.7	68.7	66.0
07:00 PM - 08:00 PM	66.5	74.2	65.9
08:00 PM - 09:00 PM	66.4	69.5	65.8
09:00 PM - 10:00 PM	66.3	75.2	65.6
10:00 PM - 11:00 PM	66.3	72.7	65.6
11:00 PM - 12:00 AM	66.3	69.4	65.6
12:00 AM - 01:00 AM	69.8	87.0	66.7
01:00 AM - 02:00 AM	67.3	72.6	66.7
02:00 AM - 03:00 AM	67.2	69.4	66.6
03:00 AM - 04:00 AM	66.9	68.9	66.3
04:00 AM - 05:00 AM	66.5	68.5	65.9
05:00 AM - 06:00 AM	66.8	69.2	66.2
06:00 AM - 07:00 AM	66.6	69.6	65.8
07:00 AM - 08:00 AM	65.9	70.5	65.2
08:00 AM - 09:00 AM	66.4	80.0	65.4
09:00 AM - 10:00 AM	66.4	78.7	65.3
10:00 AM - 11:00 AM	66.5	83.9	65.5

Leq Average 24 hrs. (dB(A))

66.8

Lmax (dB(A))

87.0

L90 (dB(A))

66.0

Ldn (dB(A))

73.5

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010680-1

Page 1 of 1

Sample Number 2444809-12  
Parameter Noise (Leq 24 hrs.)  
Location ห้างกลางบริเวณที่สถานีออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732113, 1404917)  
Measurement Date May 17 - May 18, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	66.2	68.7	65.5
12:00 PM - 01:00 PM	66.3	76.1	65.5
01:00 PM - 02:00 PM	67.3	88.1	65.7
02:00 PM - 03:00 PM	66.8	94.9	65.5
03:00 PM - 04:00 PM	66.3	86.2	65.4
04:00 PM - 05:00 PM	66.1	74.6	65.4
05:00 PM - 06:00 PM	66.0	80.8	65.3
06:00 PM - 07:00 PM	68.9	93.2	64.8
07:00 PM - 08:00 PM	68.1	78.1	67.4
08:00 PM - 09:00 PM	65.8	73.5	64.9
09:00 PM - 10:00 PM	65.5	70.8	64.8
10:00 PM - 11:00 PM	65.6	71.5	64.9
11:00 PM - 12:00 AM	65.6	72.9	64.9
12:00 AM - 01:00 AM	65.8	70.5	65.1
01:00 AM - 02:00 AM	65.7	72.5	65.0
02:00 AM - 03:00 AM	65.8	73.2	65.1
03:00 AM - 04:00 AM	65.7	68.2	65.0
04:00 AM - 05:00 AM	66.0	69.0	65.3
05:00 AM - 06:00 AM	65.8	67.7	65.1
06:00 AM - 07:00 AM	65.6	67.9	65.0
07:00 AM - 08:00 AM	66.2	75.2	65.2
08:00 AM - 09:00 AM	67.2	89.7	65.7
09:00 AM - 10:00 AM	67.6	87.0	66.3
10:00 AM - 11:00 AM	66.9	71.7	65.6

Leq Average 24 hrs. (dB(A)) 66.5  
Lmax (dB(A)) 94.9  
L90 (dB(A)) 65.2  
Ldn (dB(A)) 72.3  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010681-1

Page 1 of 1

Sample Number 2444809-13  
Parameter Noise (Leq 24 hrs.)  
Location ห้างกลางบริเวณที่สถานีออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732113, 1404917)  
Measurement Date May 18 - May 19, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.2	90.6	65.4
12:00 PM - 01:00 PM	65.9	83.1	65.3
01:00 PM - 02:00 PM	66.3	78.8	65.4
02:00 PM - 03:00 PM	67.0	90.9	65.3
03:00 PM - 04:00 PM	66.5	95.4	65.3
04:00 PM - 05:00 PM	66.2	75.9	65.4
05:00 PM - 06:00 PM	68.8	78.6	65.6
06:00 PM - 07:00 PM	68.7	86.5	65.7
07:00 PM - 08:00 PM	67.1	74.4	66.4
08:00 PM - 09:00 PM	68.6	78.4	65.4
09:00 PM - 10:00 PM	66.0	68.6	65.4
10:00 PM - 11:00 PM	65.9	68.4	65.3
11:00 PM - 12:00 AM	66.0	75.3	65.4
12:00 AM - 01:00 AM	69.3	93.6	65.2
01:00 AM - 02:00 AM	69.1	93.4	65.0
02:00 AM - 03:00 AM	66.1	69.4	65.5
03:00 AM - 04:00 AM	66.0	68.2	65.3
04:00 AM - 05:00 AM	66.0	68.2	65.3
05:00 AM - 06:00 AM	66.0	67.9	65.4
06:00 AM - 07:00 AM	66.1	71.1	65.4
07:00 AM - 08:00 AM	66.4	69.2	65.8
08:00 AM - 09:00 AM	66.5	75.9	65.7
09:00 AM - 10:00 AM	66.4	74.9	65.7
10:00 AM - 11:00 AM	65.9	79.4	65.2

Leq Average 24 hrs. (dB(A)) 67.0  
Lmax (dB(A)) 95.4  
L90 (dB(A)) 65.4  
Ldn (dB(A)) 73.4  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Lot ID: 2444809

Date Received : May 29, 2024

Date Reported : Jun 01, 2024

Report Number: 3010682-1

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 :

Page 1 of 1

Sample Number 2444809-14  
Parameter Noise (Leq 24 hrs.)  
Location ฝั่งกลางวัดด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG (GPS 47P 0732113, 1404917)  
Measurement Date May 19 - May 20, 2024  
Measurement by Anuwet Tema  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.9	70.2	65.2
12:00 PM - 01:00 PM	66.0	76.0	65.3
01:00 PM - 02:00 PM	66.2	86.6	65.4
02:00 PM - 03:00 PM	66.2	76.3	65.3
03:00 PM - 04:00 PM	66.1	72.0	65.4
04:00 PM - 05:00 PM	66.2	91.3	65.4
05:00 PM - 06:00 PM	66.2	74.0	65.5
06:00 PM - 07:00 PM	66.3	70.4	65.6
07:00 PM - 08:00 PM	66.3	76.7	65.6
08:00 PM - 09:00 PM	66.2	70.2	65.5
09:00 PM - 10:00 PM	66.3	78.7	65.6
10:00 PM - 11:00 PM	66.5	69.6	65.7
11:00 PM - 12:00 AM	67.5	76.0	66.8
12:00 AM - 01:00 AM	67.3	77.3	66.6
01:00 AM - 02:00 AM	66.4	71.4	65.7
02:00 AM - 03:00 AM	67.0	68.9	66.4
03:00 AM - 04:00 AM	66.4	69.7	65.8
04:00 AM - 05:00 AM	67.5	85.3	64.5
05:00 AM - 06:00 AM	67.3	71.4	66.6
06:00 AM - 07:00 AM	66.5	70.5	65.8
07:00 AM - 08:00 AM	66.9	70.9	66.2
08:00 AM - 09:00 AM	66.5	68.7	65.8
09:00 AM - 10:00 AM	67.1	79.6	66.2
10:00 AM - 11:00 AM	66.7	79.2	65.8

Leq Average 24 hrs. (dB(A))

66.6

Lmax (dB(A))

91.3

L90 (dB(A))

65.6

Ldn (dB(A))

73.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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# ภาคผนวก ค-5

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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: 2411711**  
**Date Received :** Feb 07, 2024  
**Date Reported :** Feb 15, 2024  
**Report Number :** 2898083-1

Page 1 of 3

**Sample Number** 2411711-1  
**Sampled Date** Feb 06, 2024  
**Sample Description** Air Quality  
**Location** Compressor House  
**Date Analysis Commenced** Feb 10, 2024  
**Condition of Sample** Drawn into two 10-L air sampling bags  
**Barometric Pressure** 761 mmHg  
**Atmospheric Temperature** 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
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	14.1	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 (2024).

**Sampled By :** Prasannit Kueanpet

**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.

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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: 2411711**  
**Date Received :** Feb 07, 2024  
**Date Reported :** Feb 15, 2024  
**Report Number :** 2898083-1

Page 2 of 3

**Sample Number** 2411711-2  
**Sampled Date** Feb 06, 2024  
**Sample Description** Air Quality  
**Location** Degassing Hopper  
**Date Analysis Commenced** Feb 10, 2024  
**Condition of Sample** Drawn into two 10-L air sampling bags  
**Barometric Pressure** 761 mmHg  
**Atmospheric Temperature** 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
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	20.1	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 (2024).

**Sampled By :** Prasannit Kueanpet

**Remark :**

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

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## Analysis / Test Report

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

Lot ID: 2411711  
Date Received : Feb 07, 2024  
Date Reported : Feb 15, 2024  
Report Number : 2898083-1

Sample Number 2411711-3  
Sampled Date Feb 06, 2024  
Sample Description Air Quality  
Location Recycle Gas Cooler  
Date Analysis Commenced Feb 10, 2024  
Condition of Sample Drawn into two 10-L air sampling bags  
Barometric Pressure 761 mmHg  
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
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	10.7	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 (2024).

Sampled By : Prasannit Kueanpet

### Remark :

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

Approved by

*Saranya C.*

Saranya Chalemmthamrong  
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: 2444903  
Date Received : May 15, 2024  
Date Reported : May 24, 2024  
Report Number : 2992537-1

Sample Number 2444903-1  
Sampled Date May 15, 2024  
Sample Description Air Quality  
Location Compressor House  
Date Analysis Commenced May 17, 2024  
Condition of Sample Drawn into two 10-L air sampling bags  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	08:00 AM - 10:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	08:00 AM - 10:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	08:00 AM - 10:00 AM	ppm	-	1.0	9.2	No Standard	Total Hydrocarbon Analyzer	-	Rayong

### Guideline :

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2024).

Sampled By : Ronnachai Mounigma

### 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: 2444903

Date Received : May 15, 2024

Date Reported : May 24, 2024

Report Number : 2992537-1

Page 2 of 3

Sample Number 2444903-2  
Sampled Date May 15, 2024  
Sample Description Air Quality  
Location Degassing Hopper  
Date Analysis Commenced May 17, 2024  
Condition of Sample Drawn into two 10-L air sampling bags  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	08.00 AM - 10.00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	08.00 AM - 10.00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	08:00 AM - 10:00 AM	ppm	-	1.0	15.3	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 (2024).

Sampled By : Ronnachai Moungma

### 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.

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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: 2444903

Date Received : May 15, 2024

Date Reported : May 24, 2024

Report Number : 2992537-1

Page 3 of 3

Sample Number 2444903-3  
Sampled Date May 15, 2024  
Sample Description Air Quality  
Location Recycle Gas Cooler  
Date Analysis Commenced May 17, 2024  
Condition of Sample Drawn into two 10-L air sampling bags  
Barometric Pressure 758 mmHg  
Atmospheric Temperature 30.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	08.00 AM - 10.00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-18	ACGIH	Bangkok
Propane	08.00 AM - 10.00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	08:00 AM - 10:00 AM	ppm	-	1.0	5.4	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 (2024).

Sampled By : Ronnachai Moungma

### 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.

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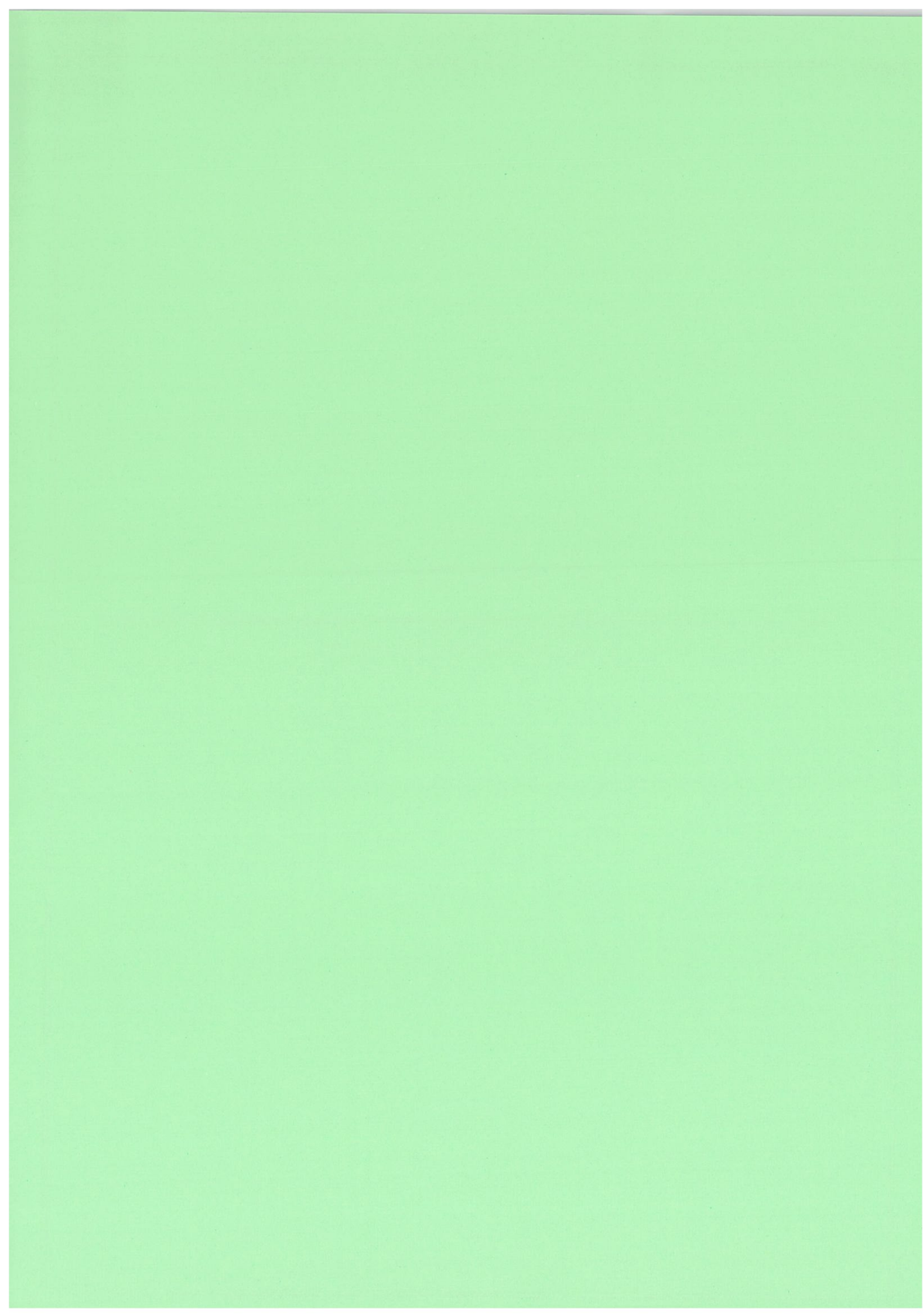
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# ภาคผนวก ค-6

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: 2411715**  
**Date Received :** Feb 07, 2024  
**Date Reported :** Feb 13, 2024  
**Report Number:** 2908670-1

Page 1 of 1

**Sample Number** : 2411715-1  
**Parameter** : Noise (Leq 8 hrs.)  
**Location** : ถังวน Compressor House  
**Measurement Date** : Feb 06, 2024  
**Measurement by** : Prasanmit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:36 AM - 09:36 AM	79.4	80.2	79.2
09:36 AM - 10:36 AM	79.1	80.2	79.0
10:36 AM - 11:36 AM	79.2	81.7	79.1
11:36 AM - 12:36 PM	79.4	81.3	79.2
12:36 PM - 01:36 PM	79.4	79.9	79.2
01:36 PM - 02:36 PM	79.3	79.8	79.2
02:36 PM - 03:36 PM	79.4	79.9	79.2
03:36 PM - 04:36 PM	79.4	79.9	79.3

Leq Average 8 hrs. (dB(A))

79.3

Lmax (dB(A))

81.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot 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: 2411715**  
**Date Received :** Feb 07, 2024  
**Date Reported :** Feb 13, 2024  
**Report Number:** 2908671-1

Page 1 of 1

**Sample Number** : 2411715-2  
**Parameter** : Noise (Leq 8 hrs.)  
**Location** : Degassing Hopper  
**Measurement Date** : Feb 06, 2024  
**Measurement by** : Prasanmit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:29 AM - 09:29 AM	82.6	87.9	82.2
09:29 AM - 10:29 AM	83.3	85.6	83.0
10:29 AM - 11:29 AM	83.3	87.1	82.1
11:29 AM - 12:29 PM	83.2	84.4	82.9
12:29 PM - 01:29 PM	83.1	84.7	82.5
01:29 PM - 02:29 PM	83.3	85.3	82.8
02:29 PM - 03:29 PM	83.0	84.3	82.4
03:29 PM - 04:29 PM	83.1	84.2	82.7

Leq Average 8 hrs. (dB(A))

83.1

Lmax (dB(A))

87.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot 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: 2411715

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number: 2908672-1

Page 1 of 1

Sample Number 2411715-3  
Parameter Noise (Leq 8 hrs.)  
Location Recycle Gas Cooler  
Measurement Date Feb 06, 2024  
Measurement by Prasanmit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:31 AM - 09:31 AM	72.9	77.7	72.6
09:31 AM - 10:31 AM	72.5	78.5	72.2
10:31 AM - 11:31 AM	72.2	79.6	72.0
11:31 AM - 12:31 PM	72.1	73.3	72.0
12:31 PM - 01:31 PM	72.0	74.0	71.8
01:31 PM - 02:31 PM	72.1	73.9	71.9
02:31 PM - 03:31 PM	72.3	74.5	71.9
03:31 PM - 04:31 PM	72.6	74.6	72.1

Leq Average 8 hrs. (dB(A))

72.3

Lmax (dB(A))

79.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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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: 2411715

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number: 2908674-1

Page 1 of 1

Sample Number 2411715-5  
Parameter Noise (Leq 8 hrs.)  
Location Bagging Area  
Measurement Date Feb 06, 2024  
Measurement by Prasanmit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:37 AM - 09:37 AM	72.7	86.9	71.1
09:37 AM - 10:37 AM	71.8	82.3	71.2
10:37 AM - 11:37 AM	74.3	80.7	71.1
11:37 AM - 12:37 PM	78.7	89.7	71.9
12:37 PM - 01:37 PM	81.2	85.2	77.6
01:37 PM - 02:37 PM	80.0	84.6	74.9
02:37 PM - 03:37 PM	82.3	91.7	80.3
03:37 PM - 04:37 PM	81.5	90.7	78.3

Leq Average 8 hrs. (dB(A))

79.3

Lmax (dB(A))

91.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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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: 2411715

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number: 2908675-1

Page 1 of 1

Sample Number 2411715-6  
Parameter Noise (Leq 8 hrs.)  
Location Storage Area  
Measurement Date Feb 06, 2024  
Measurement by Prasarnmit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:30 AM - 09:30 AM	79.0	83.3	78.7
09:30 AM - 10:30 AM	78.7	82.0	78.4
10:30 AM - 11:30 AM	78.4	85.8	78.1
11:30 AM - 12:30 PM	78.3	85.9	77.9
12:30 PM - 01:30 PM	78.1	79.3	77.9
01:30 PM - 02:30 PM	78.2	79.7	77.9
02:30 PM - 03:30 PM	78.2	79.6	77.9
03:30 PM - 04:30 PM	78.1	86.0	77.7

Leq Average 8 hrs. (dB(A))

78.4

Lmax (dB(A))

86.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2411715

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number: 2908676-1

Page 1 of 1

Sample Number 2411715-7  
Parameter Noise (Leq 8 hrs.)  
Location ฝั่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE  
Measurement Date Feb 06, 2024  
Measurement by Prasarnmit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:35 AM - 09:35 AM	81.2	81.8	81.1
09:35 AM - 10:35 AM	81.1	81.8	80.9
10:35 AM - 11:35 AM	81.0	81.7	80.8
11:35 AM - 12:35 PM	81.0	81.6	80.8
12:35 PM - 01:35 PM	80.8	81.5	80.6
01:35 PM - 02:35 PM	80.9	81.7	80.7
02:35 PM - 03:35 PM	80.9	81.7	80.6
03:35 PM - 04:35 PM	81.0	81.7	80.9

Leq Average 8 hrs. (dB(A))

81.0

Lmax (dB(A))

81.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2411712

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number: 2909616-1

Page 1 of 1

Sample Number 2411712-4  
Parameter Noise (Leq 12 hrs.)  
Location CCR  
Measurement Date Feb 06, 2024  
Measurement by Prasanmit Kueanpet

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:33 AM - 09:33 AM	64.8	82.1	56.5
09:33 AM - 10:33 AM	65.2	79.9	56.3
10:33 AM - 11:33 AM	63.6	86.0	54.9
11:33 AM - 12:33 PM	58.7	74.9	53.9
12:33 PM - 01:33 PM	62.5	79.2	53.9
01:33 PM - 02:33 PM	60.7	76.1	54.7
02:33 PM - 03:33 PM	61.3	78.4	55.8
03:33 PM - 04:33 PM	63.1	79.2	55.4
04:33 PM - 05:33 PM	62.9	78.4	54.5
05:33 PM - 06:33 PM	63.6	79.3	54.7
06:33 PM - 07:33 PM	63.3	79.4	55.6
07:33 PM - 08:33 PM	64.1	81.4	55.8

Leq Average 12 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัยในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2444906

Date Received : May 17, 2024

Date Reported : May 23, 2024

Report Number: 3001292-1

Page 1 of 1

Sample Number 2444906-1  
Parameter Noise (Leq 8 hrs.)  
Location ภาชนะ Compressor House  
Measurement Date May 15, 2024  
Measurement by Nattakam Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:44 AM - 09:44 AM	81.7	84.7	81.5
09:44 AM - 10:44 AM	80.6	82.1	79.9
10:44 AM - 11:44 AM	79.9	81.3	79.8
11:44 AM - 12:44 PM	80.0	84.2	79.6
12:44 PM - 01:44 PM	79.9	80.5	79.7
01:44 PM - 02:44 PM	80.2	80.8	79.9
02:44 PM - 03:44 PM	80.2	82.7	79.9
03:44 PM - 04:44 PM	80.2	81.7	80.1

Leq Average 8 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัยในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2444906

Date Received : May 17, 2024

Date Reported : May 23, 2024

Report Number: 3001293-1

Page 1 of 1

Sample Number : 2444906-2  
Parameter : Noise (Leq 8 hrs.)  
Location : Degassing Hopper  
Measurement Date : May 15, 2024  
Measurement by : Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:15 AM - 09:15 AM	82.3	85.5	81.7
09:15 AM - 10:15 AM	81.2	83.4	79.9
10:15 AM - 11:15 AM	81.8	83.5	80.1
11:15 AM - 12:15 PM	79.3	82.4	78.3
12:15 PM - 01:15 PM	81.7	83.0	79.9
01:15 PM - 02:15 PM	81.6	83.1	80.5
02:15 PM - 03:15 PM	81.9	83.2	80.8
03:15 PM - 04:15 PM	83.5	86.6	80.7

Leq Average 8 hrs. (dB(A))

81.8

Lmax (dB(A))

86.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2444906

Date Received : May 17, 2024

Date Reported : May 23, 2024

Report Number: 3001294-1

Page 1 of 1

Sample Number : 2444906-3  
Parameter : Noise (Leq 8 hrs.)  
Location : Recycle Gas Cooler  
Measurement Date : May 15, 2024  
Measurement by : Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:26 AM - 09:26 AM	82.3	83.9	82.1
09:26 AM - 10:26 AM	80.2	83.0	77.6
10:26 AM - 11:26 AM	77.3	78.0	77.0
11:26 AM - 12:26 PM	77.0	77.9	76.8
12:26 PM - 01:26 PM	76.7	77.4	76.5
01:26 PM - 02:26 PM	76.6	77.4	76.4
02:26 PM - 03:26 PM	75.1	81.7	71.2
03:26 PM - 04:26 PM	71.8	78.1	71.3

Leq Average 8 hrs. (dB(A))

78.1

Lmax (dB(A))

83.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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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: 2444906

Date Received : May 17, 2024

Date Reported : May 23, 2024

Report Number: 3001296-1

Page 1 of 1

Sample Number : 2444906-5  
Parameter : Noise (Leq 8 hrs.)  
Location : Bagging Area  
Measurement Date : May 15, 2024  
Measurement by : Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:04 AM - 10:04 AM	80.1	88.0	78.1
10:04 AM - 11:04 AM	80.2	86.7	78.2
11:04 AM - 12:04 PM	79.0	91.2	75.3
12:04 PM - 01:04 PM	79.3	83.9	76.6
01:04 PM - 02:04 PM	80.1	88.4	77.7
02:04 PM - 03:04 PM	80.6	88.4	79.1
03:04 PM - 04:04 PM	79.8	85.9	77.0
04:04 PM - 05:04 PM	81.9	93.4	80.5

Leq Average 8 hrs. (dB(A))

80.2

Lmax (dB(A))

93.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2444906

Date Received : May 17, 2024

Date Reported : May 23, 2024

Report Number: 3001297-1

Page 1 of 1

Sample Number : 2444906-6  
Parameter : Noise (Leq 8 hrs.)  
Location : Storage Area  
Measurement Date : May 15, 2024  
Measurement by : Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:30 AM - 09:30 AM	81.4	83.9	81.2
09:30 AM - 10:30 AM	79.0	81.4	76.8
10:30 AM - 11:30 AM	76.8	78.0	76.3
11:30 AM - 12:30 PM	76.5	77.2	76.2
12:30 PM - 01:30 PM	76.2	77.3	75.8
01:30 PM - 02:30 PM	76.0	77.3	75.7
02:30 PM - 03:30 PM	74.1	77.2	71.1
03:30 PM - 04:30 PM	71.6	74.4	71.3

Leq Average 8 hrs. (dB(A))

77.3

Lmax (dB(A))

83.9

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: 2444906

Date Received : May 17, 2024

Date Reported : May 23, 2024

Report Number: 3001298-1

Page 1 of 1

Sample Number	2444906-7
Parameter	Noise (Leq 8 hrs.)
Location	ฝั่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE
Measurement Date	May 15, 2024
Measurement by	Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	82.4	89.3	82.2
09:00 AM - 10:00 AM	82.2	84.0	82.0
10:00 AM - 11:00 AM	81.8	85.6	81.5
11:00 AM - 12:00 PM	81.6	83.9	81.4
12:00 PM - 01:00 PM	81.8	82.9	81.6
01:00 PM - 02:00 PM	81.8	82.4	81.6
02:00 PM - 03:00 PM	81.8	82.4	81.6
03:00 PM - 04:00 PM	81.9	82.4	81.7

Leq Average 8 hrs. (dB(A))

81.9

Lmax (dB(A))

89.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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Technical Management

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Thanita Kulsuriwong  
Scientist (4)

Approved by

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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: 2444905

Date Received : May 17, 2024

Date Reported : May 23, 2024

Report Number: 3001288-1

Page 1 of 1

Sample Number	2444905-4
Parameter	Noise (Leq 12 hrs.)
Location	CCR
Measurement Date	May 15, 2024
Measurement by	Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:18 AM - 09:18 AM	64.8	75.6	56.8
09:18 AM - 10:18 AM	65.3	80.0	54.9
10:18 AM - 11:18 AM	63.1	76.5	55.3
11:18 AM - 12:18 PM	73.4	93.8	55.0
12:18 PM - 01:18 PM	63.7	76.2	55.2
01:18 PM - 02:18 PM	64.2	78.6	56.0
02:18 PM - 03:18 PM	63.0	78.0	54.1
03:18 PM - 04:18 PM	62.4	75.3	55.2
04:18 PM - 05:18 PM	61.2	77.4	53.6
05:18 PM - 06:18 PM	61.2	76.9	53.7
06:18 PM - 07:18 PM	63.7	78.7	54.8
07:18 PM - 08:18 PM	63.1	76.0	55.9

Leq Average 12 hrs. (dB(A))

65.8

Lmax (dB(A))

93.8

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย  
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: 2411717

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number : 2909581-1

Page 1 of 1

Sample Number 2411717-1  
Parameter Octave band (12 hrs.)  
Location Orawan Compressor House  
Measurement Date Feb 06, 2024  
Measurement By Prasanmit Kueanpet

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
08:36 AM - 09:36 AM	79.4	25.9	41.8	56.1	68.1	73.2	72.7	71.5	71.7	69.6	65.4	50.9
09:36 AM - 10:36 AM	79.1	25.4	41.3	55.8	67.6	73.1	72.3	71.2	71.4	69.2	65.3	50.6
10:36 AM - 11:36 AM	79.2	25.4	41.2	55.4	67.6	73.0	72.4	71.4	71.5	69.4	65.5	50.9
11:36 AM - 12:36 PM	79.4	25.6	41.2	55.2	67.8	73.1	72.6	71.6	71.7	69.4	65.4	50.9
12:36 PM - 01:36 PM	79.4	25.7	41.4	55.1	68.1	73.1	72.5	71.5	71.7	69.5	65.3	50.9
01:36 PM - 02:36 PM	79.3	25.5	41.5	55.0	68.0	73.2	72.4	71.4	71.7	69.5	65.3	50.9
02:36 PM - 03:36 PM	79.4	25.6	41.5	55.0	67.8	73.3	72.6	71.5	71.7	69.6	65.2	50.7
03:36 PM - 04:36 PM	79.4	25.6	41.5	55.3	67.7	73.4	72.6	71.6	71.7	69.6	65.2	50.9
04:36 PM - 05:36 PM	79.5	25.9	41.6	55.4	67.8	73.5	72.7	71.7	71.8	69.6	65.0	50.8
05:36 PM - 06:36 PM	79.6	26.1	41.8	55.2	68.1	73.7	72.9	71.7	71.8	69.5	65.1	50.9
06:36 PM - 07:36 PM	79.6	25.8	41.7	55.5	67.9	73.6	72.8	71.8	71.9	69.8	65.4	51.1
07:36 PM - 08:36 PM	79.4	25.7	41.6	56.1	67.9	73.4	72.6	71.5	71.7	69.5	65.6	50.9
Average	79.4	25.7	41.5	55.4	67.9	73.3	72.6	71.5	71.7	69.5	65.3	50.9

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : 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: 2411717

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number : 2909582-1

Page 1 of 1

Sample Number 2411717-2  
Parameter Octave band (12 hrs.)  
Location Degassing Hopper  
Measurement Date Feb 06, 2024  
Measurement By Prasanmit Kueanpet

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:29 AM - 09:29 AM	82.6	17.5	42.0	61.3	67.6	68.3	72.6	76.8	78.5	74.7	62.2	36.8
09:29 AM - 10:29 AM	83.3	18.6	40.3	63.5	67.9	68.4	73.7	78.3	78.3	75.6	65.7	41.3
10:29 AM - 11:29 AM	83.3	17.9	40.0	65.4	68.6	70.5	73.9	78.1	78.2	75.2	64.2	39.3
11:29 AM - 12:29 PM	83.2	18.4	40.4	62.3	67.6	69.6	73.3	78.0	78.1	75.7	66.1	41.8
12:29 PM - 01:29 PM	83.1	18.0	41.5	61.7	67.6	71.3	73.4	78.0	78.0	75.2	64.4	39.3
01:29 PM - 02:29 PM	83.3	18.5	42.4	64.7	68.4	71.0	73.8	77.8	78.2	75.7	65.8	41.3
02:29 PM - 03:29 PM	83.0	17.9	42.6	61.6	67.8	70.2	73.0	78.3	77.9	74.8	63.6	38.5
03:29 PM - 04:29 PM	83.1	18.7	42.7	63.0	68.6	70.6	73.3	77.7	78.1	75.5	65.6	41.1
04:29 PM - 05:29 PM	83.3	24.6	41.8	62.6	68.7	71.1	74.8	77.9	78.2	74.8	62.5	36.2
05:29 PM - 06:29 PM	83.3	27.0	40.8	63.3	68.8	71.2	74.4	77.9	78.2	74.9	63.1	37.2
06:29 PM - 07:29 PM	83.4	19.0	43.0	63.3	68.9	70.9	73.6	78.0	78.4	75.8	65.9	41.4
07:29 PM - 08:29 PM	83.1	18.3	42.2	64.5	68.2	70.8	73.6	77.6	78.0	75.5	65.6	41.1
Average	83.2	20.9	41.8	63.3	68.3	70.4	73.7	77.9	78.2	75.3	64.8	40.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : 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: 2411717

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number : 2909583-1

Page 1 of 1

Sample Number 2411717-3  
Parameter Octave band (12 hrs.)  
Location Recycle Gas Cooler  
Measurement Date Feb 06, 2024  
Measurement By Prasanmit Kueanpet

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
08:31 AM - 09:31 AM	72.9	22.4	37.8	52.1	59.6	64.1	64.4	65.0	65.6	67.1	60.5	43.6
09:31 AM - 10:31 AM	72.5	22.0	37.5	52.1	58.9	63.3	63.8	64.8	65.3	66.8	60.4	43.2
10:31 AM - 11:31 AM	72.2	21.5	37.3	52.0	58.9	63.2	63.6	64.2	65.0	66.5	60.2	42.9
11:31 AM - 12:31 PM	72.1	21.6	37.4	51.6	58.8	63.2	63.5	64.2	64.9	66.5	60.2	42.8
12:31 PM - 01:31 PM	72.0	21.6	37.5	51.9	58.7	62.8	63.2	64.3	64.9	66.3	60.2	42.8
01:31 PM - 02:31 PM	72.1	21.5	37.5	52.1	58.6	62.7	63.2	64.5	65.1	66.3	60.2	42.8
02:31 PM - 03:31 PM	72.3	21.4	37.6	51.8	58.8	62.7	63.3	64.8	65.6	66.6	60.2	42.8
03:31 PM - 04:31 PM	72.6	21.6	37.8	51.7	59.2	62.9	63.4	64.9	65.9	67.1	60.3	42.9
04:31 PM - 05:31 PM	72.7	21.9	37.8	52.0	59.4	63.3	64.0	65.0	65.7	67.2	59.9	43.1
05:31 PM - 06:31 PM	72.8	22.2	38.0	52.4	59.6	63.6	64.2	65.3	65.9	66.9	60.3	43.2
06:31 PM - 07:31 PM	72.9	22.1	38.0	52.2	59.6	63.5	64.2	65.2	65.9	67.4	60.1	43.3
07:31 PM - 08:31 PM	72.4	21.8	37.8	52.4	58.9	63.0	63.5	64.8	65.4	66.6	60.5	43.1
Average	72.5	21.8	37.7	52.0	59.1	63.2	63.7	64.8	65.4	66.8	60.3	43.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2411717

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number : 2909584-1

Page 1 of 1

Sample Number 2411717-4  
Parameter Octave band (12 hrs.)  
Location CCR  
Measurement Date Feb 06, 2024  
Measurement By Prasanmit Kueanpet

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
08:33 AM - 09:33 AM	64.8	11.3	21.8	29.1	41.2	50.0	58.8	60.4	59.3	52.7	39.3	43.6
09:33 AM - 10:33 AM	65.2	10.9	21.8	28.7	41.3	49.5	58.2	60.6	60.6	54.2	41.1	23.1
10:33 AM - 11:33 AM	63.6	11.3	22.1	28.8	40.5	49.0	57.1	59.0	58.6	51.8	38.1	20.4
11:33 AM - 12:33 PM	58.7	11.3	22.2	27.9	38.8	46.2	51.5	55.1	51.6	49.3	35.6	18.0
12:33 PM - 01:33 PM	62.5	10.9	22.1	27.7	40.1	49.0	57.2	57.9	56.6	50.4	36.7	18.5
01:33 PM - 02:33 PM	60.7	11.0	22.1	28.1	39.5	48.0	54.4	56.7	53.7	50.8	37.8	19.6
02:33 PM - 03:33 PM	61.3	11.0	22.0	27.9	40.0	48.0	55.1	56.8	55.9	49.6	36.2	18.7
03:33 PM - 04:33 PM	63.1	11.4	22.3	27.9	40.5	49.1	57.4	59.2	56.5	51.2	37.8	19.5
04:33 PM - 05:33 PM	62.9	12.6	22.0	28.2	40.6	50.3	57.3	58.9	55.9	51.0	36.5	18.8
05:33 PM - 06:33 PM	63.6	13.6	22.3	28.2	41.1	49.7	58.3	59.3	56.9	52.3	38.4	20.4
06:33 PM - 07:33 PM	63.3	11.6	22.5	28.1	40.7	49.3	57.6	59.4	56.7	51.4	38.0	19.7
07:33 PM - 08:33 PM	64.1	10.6	21.1	28.4	40.5	49.3	58.1	59.7	58.6	52.0	38.6	20.9
Average	63.1	11.5	22.0	28.3	40.5	49.1	57.1	58.8	57.3	51.6	38.1	33.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

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Approved by

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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: 2411717

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number : 2909585-1

Sample Number : 2411717-5  
Parameter : Octave band (12 hrs.)  
Location : Bagging Area  
Measurement Date : Feb 06, 2024  
Measurement By : Prasanmit Kueanpet

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
08:37 AM - 09:37 AM	72.7	14.7	40.5	51.8	59.5	63.9	66.1	67.0	65.1	63.9	56.1	39.8
09:37 AM - 10:37 AM	71.8	14.5	40.1	51.4	59.0	62.8	64.6	65.8	64.7	63.9	56.2	40.0
10:37 AM - 11:37 AM	74.3	19.4	39.9	51.2	58.9	62.7	64.4	66.0	67.5	70.0	61.9	41.2
11:37 AM - 12:37 PM	78.7	19.7	40.1	51.9	59.7	64.6	68.2	71.3	73.5	73.9	65.1	44.1
12:37 PM - 01:37 PM	81.2	18.3	40.2	52.6	60.3	65.8	69.9	73.4	76.2	76.6	68.8	48.7
01:37 PM - 02:37 PM	80.0	17.1	40.1	52.2	60.0	65.2	69.0	72.2	75.0	75.3	67.7	47.2
02:37 PM - 03:37 PM	82.3	16.9	40.4	52.8	60.7	66.3	70.6	74.2	77.5	77.7	70.3	50.3
03:37 PM - 04:37 PM	81.5	16.3	40.3	52.6	60.2	65.7	69.9	73.3	76.5	77.0	69.9	50.7
04:37 PM - 05:37 PM	79.5	16.3	40.2	52.4	59.8	65.0	68.9	72.2	74.4	74.7	66.3	44.7
05:37 PM - 06:37 PM	80.4	17.0	40.4	52.6	60.1	65.4	69.4	72.8	75.2	75.8	67.6	46.6
06:37 PM - 07:37 PM	81.2	16.0	40.0	52.3	59.9	65.4	69.6	73.0	76.2	76.7	69.6	50.4
07:37 PM - 08:37 PM	80.2	17.0	40.9	53.1	60.5	65.7	69.6	72.9	75.1	75.4	67.0	45.4
Average	79.7	17.2	40.3	52.3	59.9	65.0	68.8	71.9	74.6	75.0	67.3	47.2

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

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: 2411717

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number : 2909586-1

Sample Number : 2411717-6  
Parameter : Octave band (12 hrs.)  
Location : Storage Area  
Measurement Date : Feb 06, 2024  
Measurement By : Prasanmit Kueanpet

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
08:30 AM - 09:30 AM	79.0	23.5	39.1	51.8	61.9	71.5	70.2	70.0	72.8	73.5	63.5	46.3
09:30 AM - 10:30 AM	78.7	23.2	38.8	51.5	61.6	70.5	69.7	70.4	72.7	73.2	63.7	46.1
10:30 AM - 11:30 AM	78.4	22.9	38.9	51.4	61.5	69.8	69.4	70.0	72.6	72.9	63.6	45.9
11:30 AM - 12:30 PM	78.3	22.6	38.5	50.8	61.2	69.1	69.0	69.6	72.4	73.1	65.1	49.2
12:30 PM - 01:30 PM	78.1	23.0	38.6	51.0	61.5	69.3	69.0	69.8	72.3	72.7	63.3	44.5
01:30 PM - 02:30 PM	78.2	23.1	38.7	51.3	61.3	68.7	69.0	69.8	72.6	73.0	63.5	45.1
02:30 PM - 03:30 PM	78.2	22.9	38.7	51.4	61.3	68.8	69.0	70.2	72.4	72.8	63.2	43.7
03:30 PM - 04:30 PM	78.1	22.6	38.6	51.1	61.0	68.8	68.9	70.2	72.2	72.6	63.4	44.4
04:30 PM - 05:30 PM	78.2	23.1	39.0	51.4	61.5	69.7	69.5	70.1	72.3	72.6	62.3	42.7
05:30 PM - 06:30 PM	78.7	23.5	39.3	51.6	62.1	70.7	70.1	70.3	72.7	72.7	62.6	41.9
06:30 PM - 07:30 PM	78.4	22.9	38.9	51.4	61.3	69.1	69.2	70.5	72.5	72.9	63.7	44.7
07:30 PM - 08:30 PM	78.5	23.3	39.1	51.4	61.9	70.5	69.9	70.1	72.5	72.5	62.4	41.7
Average	78.4	23.1	38.9	51.3	61.5	69.8	69.4	70.1	72.5	72.9	63.4	45.2

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: 2411717

Date Received : Feb 07, 2024

Date Reported : Feb 13, 2024

Report Number : 2909587-1

Page 1 of 1

Sample Number 2411717-7  
Parameter Octave band (12 hrs.)  
Location ห้องเครื่องอัดรีดระหว่าง LDPE & HDPE  
Measurement Date Feb 06, 2024  
Measurement By Prasanmit Kueanpet

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:35 AM - 09:35 AM	81.2	23.4	39.2	59.3	65.1	69.3	70.9	66.6	69.3	77.4	75.7	63.8
09:35 AM - 10:35 AM	81.1	23.4	39.0	59.0	65.2	69.7	70.6	66.4	69.1	77.2	75.6	63.6
10:35 AM - 11:35 AM	81.0	23.2	38.8	58.8	65.3	70.0	70.5	66.3	69.1	77.1	75.6	63.6
11:35 AM - 12:35 PM	81.0	23.4	38.6	58.3	65.1	70.3	70.6	66.1	69.0	77.0	75.4	63.4
12:35 PM - 01:35 PM	80.8	23.3	38.5	57.7	64.7	69.6	70.0	66.2	69.0	76.9	75.3	63.3
01:35 PM - 02:35 PM	80.9	23.2	38.7	57.7	65.1	69.3	70.1	66.6	69.1	77.0	75.4	63.4
02:35 PM - 03:35 PM	80.9	23.2	38.8	57.9	65.0	69.0	70.1	67.1	69.2	77.0	75.4	63.4
03:35 PM - 04:35 PM	81.0	23.4	39.1	58.3	65.5	69.2	70.3	67.2	69.3	77.2	75.5	63.5
04:35 PM - 05:35 PM	81.1	24.0	39.1	58.5	65.4	69.5	70.4	66.8	69.4	77.3	75.5	63.6
05:35 PM - 06:35 PM	81.1	24.1	39.2	58.3	65.1	69.4	70.6	66.8	69.5	77.3	75.5	63.6
06:35 PM - 07:35 PM	81.2	23.5	39.1	58.2	65.3	69.3	70.4	67.4	69.5	77.3	75.7	63.7
07:35 PM - 08:35 PM	80.9	23.4	38.6	57.8	64.8	69.7	70.1	66.3	69.1	77.0	75.4	63.4
Average	81.0	23.5	38.9	58.3	65.1	69.5	70.4	66.7	69.2	77.1	75.5	63.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2444909

Date Received : May 20, 2024

Date Reported : May 27, 2024

Report Number : 3004828-1

Page 1 of 1

Sample Number 2444909-1  
Parameter Octave band (12 hrs.)  
Location ภาชนะ Compressor House  
Measurement Date May 15, 2024  
Measurement By Nattakarn Vonginyoo

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
08:44 AM - 09:44 AM	81.7	25.8	42.9	55.5	66.7	74.2	73.7	73.6	75.0	74.7	68.7	54.7
09:44 AM - 10:44 AM	80.6	26.1	42.8	55.8	66.9	74.0	73.8	72.8	73.5	71.7	66.2	52.8
10:44 AM - 11:44 AM	79.9	25.6	42.4	56.4	67.5	73.3	73.4	72.4	72.8	69.5	64.6	51.3
11:44 AM - 12:44 PM	80.0	25.4	42.5	56.3	67.6	73.3	73.5	72.4	72.9	69.6	64.6	51.2
12:44 PM - 01:44 PM	79.9	25.4	42.4	56.2	67.9	73.0	73.4	72.5	72.9	69.7	64.5	51.1
01:44 PM - 02:44 PM	80.2	25.3	42.4	57.0	68.6	73.8	73.3	72.6	73.0	69.6	64.7	51.2
02:44 PM - 03:44 PM	80.2	25.2	42.5	57.3	68.7	73.9	73.3	72.6	73.0	69.4	64.5	51.3
03:44 PM - 04:44 PM	80.2	25.8	42.7	57.2	68.9	74.3	73.2	72.7	72.9	69.1	64.4	51.7
04:44 PM - 05:44 PM	80.3	26.4	42.5	57.2	68.0	74.7	73.5	72.6	73.0	69.2	64.6	52.0
05:44 PM - 06:44 PM	80.5	26.1	42.1	57.3	67.8	74.8	73.7	72.8	73.3	69.4	64.9	52.2
06:44 PM - 07:44 PM	80.6	26.2	43.1	57.6	69.3	74.7	73.6	73.1	73.3	69.5	64.8	52.1
07:44 PM - 08:44 PM	80.7	26.8	42.9	57.6	68.4	75.1	73.9	73.0	73.4	69.6	65.0	52.4
Average	80.4	25.9	42.6	56.8	68.1	74.1	73.5	72.8	73.3	70.4	65.3	52.1

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2444909

Date Received : May 20, 2024

Date Reported : May 27, 2024

Report Number : 3004829-1

Page 1 of 1

Sample Number : 2444909-2  
Parameter : Octave band (12 hrs.)  
Location : Degassing Hopper  
Measurement Date : May 15, 2024  
Measurement By : Nattakarn Vonginyoo

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
08:15 AM - 09:15 AM	82.3	18.2	41.6	70.3	69.4	72.6	75.2	75.5	76.5	72.2	64.6	47.3
09:15 AM - 10:15 AM	81.2	18.0	42.6	67.0	66.7	74.2	74.9	74.8	73.1	70.3	64.2	48.0
10:15 AM - 11:15 AM	81.8	18.4	43.0	66.8	66.5	73.7	75.3	74.9	75.3	71.7	64.8	48.1
11:15 AM - 12:15 PM	79.3	18.4	43.2	64.2	64.1	69.9	73.5	73.4	72.8	67.9	60.4	44.1
12:15 PM - 01:15 PM	81.7	19.4	42.7	66.3	66.5	74.6	74.7	74.8	74.9	72.0	65.2	48.2
01:15 PM - 02:15 PM	81.6	20.0	42.9	65.0	65.3	74.4	74.3	74.5	75.6	72.1	64.3	46.2
02:15 PM - 03:15 PM	81.9	19.6	42.1	67.1	66.7	74.2	74.9	75.0	75.5	72.4	65.1	47.3
03:15 PM - 04:15 PM	83.5	22.0	42.1	65.8	67.4	73.7	77.8	77.3	77.4	73.2	64.7	48.2
04:15 PM - 05:15 PM	84.1	27.9	41.7	67.0	69.0	74.4	76.0	77.5	78.9	75.3	68.2	53.0
05:15 PM - 06:15 PM	83.3	24.8	41.7	66.5	68.3	70.6	75.1	77.4	78.6	74.2	66.7	50.5
06:15 PM - 07:15 PM	83.1	24.6	41.5	66.3	68.1	70.4	74.9	77.2	78.4	74.0	66.5	50.3
07:15 PM - 08:15 PM	82.9	24.4	41.3	66.1	67.9	70.2	74.7	77.0	78.2	73.8	66.3	50.1
Average	82.4	22.6	42.2	66.8	67.4	73.1	75.2	76.0	76.7	72.8	65.4	49.0

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
Scientist (3)

Approved by

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Supot Salamteh  
Section Head

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Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2444909

Date Received : May 20, 2024

Date Reported : May 27, 2024

Report Number : 3004830-1

Page 1 of 1

Sample Number : 2444909-3  
Parameter : Octave band (12 hrs.)  
Location : Recycle Gas Cooler  
Measurement Date : May 15, 2024  
Measurement By : Nattakarn Vonginyoo

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:26 AM - 09:26 AM	82.3	22.1	38.7	52.8	58.3	63.2	65.5	71.5	78.5	78.5	68.2	52.9
09:26 AM - 10:26 AM	80.2	22.7	39.1	53.1	58.2	63.6	65.4	69.8	76.4	76.1	66.0	51.7
10:26 AM - 11:26 AM	77.3	22.1	38.5	52.8	57.2	63.5	64.9	67.8	73.3	72.6	63.3	50.3
11:26 AM - 12:26 PM	77.0	21.7	38.3	53.1	57.0	63.8	64.7	67.6	72.8	72.3	63.3	50.0
12:26 PM - 01:26 PM	76.7	21.4	38.1	53.1	57.3	63.8	64.4	67.3	72.5	72.0	63.0	49.8
01:26 PM - 02:26 PM	76.6	21.9	38.6	53.3	58.5	63.4	64.1	67.2	72.4	71.9	62.7	49.2
02:26 PM - 03:26 PM	75.1	21.8	38.8	53.4	58.7	63.4	64.4	66.4	70.4	69.8	61.0	47.3
03:26 PM - 04:26 PM	71.8	22.4	39.3	53.6	58.8	63.5	65.0	64.5	64.9	63.6	56.6	42.4
04:26 PM - 05:26 PM	72.0	22.6	39.1	53.7	58.8	63.7	65.1	64.8	65.1	63.8	56.9	42.7
05:26 PM - 06:26 PM	71.7	22.8	39.3	54.4	59.3	63.8	64.4	64.3	64.8	63.5	56.7	42.7
06:26 PM - 07:26 PM	71.9	22.5	39.0	53.6	58.7	63.6	65.0	64.7	65.0	63.7	56.8	42.6
07:26 PM - 08:26 PM	71.8	22.9	39.4	54.5	59.4	63.9	64.5	64.4	64.9	63.6	56.8	42.8
Average	76.8	22.3	38.9	53.5	58.4	63.6	64.8	67.3	72.6	72.2	62.7	48.6

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rakyong  
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Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report

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Thailand 21150

P/O : PMM-23-11

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2444909

Date Received : May 20, 2024

Date Reported : May 27, 2024

Report Number : 3004831-1

Page 1 of 1

Sample Number 2444909-4  
Parameter Octave band (12 hrs.)  
Location CCR  
Measurement Date May 15, 2024  
Measurement By Nattakarn Vonginyoo

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
08:18 AM - 09:18 AM	64.8	11.4	23.8	30.0	42.2	50.6	59.5	61.3	57.1	51.5	40.2	52.9
09:18 AM - 10:18 AM	65.3	11.4	23.7	28.7	40.9	49.5	58.5	61.2	60.7	50.7	38.4	24.5
10:18 AM - 11:18 AM	63.1	11.3	23.8	28.7	40.9	49.5	58.3	59.0	56.3	48.3	36.3	22.9
11:18 AM - 12:18 PM	73.4	12.1	23.9	27.9	41.7	52.3	68.7	70.1	65.7	55.6	43.2	28.9
12:18 PM - 01:18 PM	63.7	12.1	23.7	28.3	41.4	50.2	58.1	59.8	57.2	49.8	37.4	22.8
01:18 PM - 02:18 PM	64.2	11.8	23.7	27.4	41.6	51.4	60.0	59.3	57.0	50.5	39.2	25.2
02:18 PM - 03:18 PM	63.0	11.6	23.6	28.1	42.0	50.4	58.1	58.9	55.9	48.9	37.8	24.7
03:18 PM - 04:18 PM	62.4	12.2	23.6	27.5	40.0	48.7	56.7	58.8	55.2	49.1	37.9	23.4
04:18 PM - 05:18 PM	61.2	13.2	23.5	28.0	41.0	49.3	55.4	57.5	53.8	48.8	38.2	24.4
05:18 PM - 06:18 PM	61.2	12.6	23.6	28.1	40.3	49.1	56.0	57.0	54.2	48.6	38.0	24.5
06:18 PM - 07:18 PM	63.7	12.3	24.3	28.8	42.7	51.1	58.8	59.6	56.6	49.6	38.5	25.4
07:18 PM - 08:18 PM	63.1	12.9	24.3	28.2	40.7	49.4	57.4	59.5	55.9	49.8	38.6	24.1
Average	65.8	12.1	23.8	28.4	41.4	50.3	60.8	62.2	58.7	50.6	39.0	42.2

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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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: 2444909

Date Received : May 20, 2024

Date Reported : May 27, 2024

Report Number : 3004832-1

Page 1 of 1

Sample Number 2444909-5  
Parameter Octave band (12 hrs.)  
Location Bagging Area  
Measurement Date May 15, 2024  
Measurement By Nattakarn Vonginyoo

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:04 AM - 10:04 AM	80.1	21.3	40.8	53.8	59.5	65.8	69.9	72.5	73.9	75.3	70.4	56.5
10:04 AM - 11:04 AM	80.2	21.3	41.3	54.1	59.4	65.7	69.8	72.4	73.9	75.5	70.6	56.6
11:04 AM - 12:04 PM	79.0	22.9	40.5	54.0	59.4	65.8	69.0	73.5	72.6	72.9	67.8	55.6
12:04 PM - 01:04 PM	79.3	21.1	40.3	53.8	58.9	64.9	68.2	70.9	72.8	75.0	70.3	56.1
01:04 PM - 02:04 PM	80.1	22.0	40.4	54.0	59.3	65.4	69.6	72.1	73.8	75.6	70.8	57.3
02:04 PM - 03:04 PM	80.6	22.0	40.3	54.2	59.6	66.0	70.4	72.9	74.4	76.0	71.0	56.7
03:04 PM - 04:04 PM	79.8	22.3	40.8	54.0	59.3	65.9	70.2	72.6	73.7	74.5	69.9	56.2
04:04 PM - 05:04 PM	81.9	22.0	40.8	53.9	60.3	66.9	71.2	74.3	75.9	76.8	73.3	59.3
05:04 PM - 06:04 PM	79.2	18.8	40.1	52.8	59.7	66.0	70.1	72.3	73.2	73.4	68.7	57.3
06:04 PM - 07:04 PM	77.0	20.9	38.5	52.0	57.4	63.8	67.0	71.5	70.6	70.9	65.8	53.6
07:04 PM - 08:04 PM	77.3	19.1	38.3	51.8	56.9	62.9	66.2	68.9	70.8	73.0	68.3	54.1
08:04 PM - 09:04 PM	78.1	20.0	38.4	52.0	57.3	63.4	67.6	70.1	71.8	73.6	68.8	55.3
Average	79.6	21.3	40.1	53.5	59.0	65.4	69.3	72.2	73.4	74.6	70.0	56.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : 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: 2444909

Date Received : May 20, 2024

Date Reported : May 27, 2024

Report Number : 3004833-1

Sample Number : 2444909-6  
Parameter : Octave band (12 hrs.)  
Location : Storage Area  
Measurement Date : May 15, 2024  
Measurement By : Nattakarn Vonginyoo

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Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:30 AM - 09:30 AM	81.4	22.2	38.0	52.4	59.0	63.6	65.5	71.6	77.5	77.2	68.6	56.4
09:30 AM - 10:30 AM	79.0	22.6	38.4	52.6	59.2	64.4	65.1	69.3	75.1	74.3	66.0	54.6
10:30 AM - 11:30 AM	76.8	22.0	38.2	51.9	58.2	64.4	64.6	68.1	72.6	71.4	63.8	53.7
11:30 AM - 12:30 PM	76.5	21.5	38.1	51.5	58.3	63.8	64.4	68.1	72.1	71.1	63.7	53.1
12:30 PM - 01:30 PM	76.2	21.4	37.8	51.3	58.5	63.3	64.2	67.5	71.9	70.9	63.2	53.0
01:30 PM - 02:30 PM	76.0	21.9	38.5	51.8	58.2	62.9	64.1	67.2	71.8	70.7	63.1	52.6
02:30 PM - 03:30 PM	74.1	21.8	38.5	51.6	58.4	63.4	64.4	65.8	69.2	68.1	60.5	49.5
03:30 PM - 04:30 PM	71.6	22.3	38.8	51.7	58.5	63.8	64.4	63.9	64.4	64.1	57.2	40.7
04:30 PM - 05:30 PM	71.6	22.3	38.6	51.9	58.9	64.3	64.4	64.1	64.4	63.9	56.3	40.5
05:30 PM - 06:30 PM	71.8	22.5	38.9	52.3	58.9	65.0	64.4	64.1	64.5	64.0	57.0	40.9
06:30 PM - 07:30 PM	72.3	23.0	39.5	52.4	59.2	64.5	65.1	64.6	65.1	64.8	57.9	41.4
07:30 PM - 08:30 PM	72.3	23.0	39.3	52.6	59.6	65.0	65.1	64.8	65.1	64.6	57.0	41.2
Average	76.2	22.2	38.6	52.0	58.8	64.1	64.7	67.3	71.7	71.0	63.0	51.5

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : 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: 2444909

Date Received : May 20, 2024

Date Reported : May 27, 2024

Report Number : 3004834-1

Sample Number : 2444909-7  
Parameter : Octave band (12 hrs.)  
Location : ห้องกลางวิจัยเพื่อระหว่าง LDPE & HDPE  
Measurement Date : May 15, 2024  
Measurement By : Nattakarn Vonginyoo

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	82.4	23.7	39.3	57.4	62.2	67.7	69.0	69.6	73.3	78.7	77.1	64.6
09:00 AM - 10:00 AM	82.2	23.9	39.4	58.4	63.3	68.1	68.7	69.1	72.6	78.6	76.9	64.6
10:00 AM - 11:00 AM	81.8	23.5	38.9	58.2	63.5	67.5	68.6	68.3	72.0	78.0	76.7	64.3
11:00 AM - 12:00 PM	81.6	23.5	38.8	57.8	62.9	67.0	68.4	68.0	71.8	77.8	76.6	64.2
12:00 PM - 01:00 PM	81.8	24.3	38.9	56.8	62.9	67.2	68.3	68.3	72.4	78.0	76.7	64.3
01:00 PM - 02:00 PM	81.8	24.3	38.8	57.5	62.3	67.4	68.6	68.4	72.2	78.0	76.7	64.2
02:00 PM - 03:00 PM	81.8	24.0	39.0	57.8	62.2	67.8	69.1	68.3	72.1	78.0	76.6	64.1
03:00 PM - 04:00 PM	81.9	24.7	39.4	57.2	62.1	68.2	69.3	68.4	72.1	78.0	76.7	64.2
04:00 PM - 05:00 PM	81.9	25.2	39.6	56.9	62.5	68.2	69.5	68.3	72.1	78.0	76.7	64.3
05:00 PM - 06:00 PM	82.0	24.6	39.4	56.8	63.3	68.6	69.5	68.6	72.4	78.1	76.7	64.4
06:00 PM - 07:00 PM	81.9	23.8	39.1	58.1	63.2	67.3	68.7	68.3	72.1	78.1	76.9	64.5
07:00 PM - 08:00 PM	81.6	24.1	38.7	56.6	62.7	67.0	68.1	68.1	72.2	77.8	76.5	64.1
Average	81.9	24.2	39.1	57.5	62.8	67.7	68.8	68.5	72.3	78.1	76.7	64.3

Reference Method : ANSI Standard S1.6-1984

Technical Management

*Orawan R.*  
Orawan Rak Yong  
Scientist (3)

Approved by

*Supot S.*  
Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2411716

Date Received : Feb 07, 2024

Date Reported : Feb 09, 2024

Report Number : 2898090-1

Page 1 of 2

Sample Number 2411716-1  
Sampled Date Feb 06, 2024  
Sample Description Noise Dose  
Location พนักงาน Operator ของ LDPE 1 คน  
Personal Sampling ชุดเครื่องมือ แสงน้อย  
Date Analysis Commenced Feb 09, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	-	36.3	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	-	33.9	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	78.6	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	80.3	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

### 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 : Norranon Tathongkham

### Remark :

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

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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: 2444907

Date Received : May 17, 2024

Date Reported : May 21, 2024

Report Number : 2972034-1

Page 2 of 2

Sample Number 2444907-2  
Sampled Date May 15, 2024  
Sample Description Noise Dose  
Location บริเวณ Compressor House  
Personal Sampling ชุดเครื่องมือ พนักงาน  
Date Analysis Commenced May 21, 2024

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	1	57.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	53.7	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	80.6	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	82.3	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Rayong

### 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 : Nattakarn Vonginyoo

### Remark :

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

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