

ภาคผนวก ค

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ใบรับรองผลการตรวจวิเคราะห์



## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250103**

Date Received : May 26, 2022

Date Reported : Jun 06, 2022

Report Number : 2328294-2 Rev. No.1

Page 1 of 1

<b>Sample Number</b>	2250103-1						
<b>Sampled Date</b>	May 26, 2022 12:30 PM						
<b>Sample Description</b>	Groundwater						
<b>Location</b>	บ่อสังเกตการณ์ 2 MW-2 HD3						
<b>Date Analysis Commenced</b>	May 27, 2022						
<b>Condition of Sample</b>	Contained in one plastic bottle, two amber glass bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
n-Hexane	mg/L	-	0.001	<0.001	11	Based on APHA (2017), 6200B	Bangkok
<b>Petroleum Hydrocarbons</b>							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	Based on US EPA, Method 3510C and 8015C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	Based on US EPA, Method 3510C and 8015C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	Based on US EPA, Method 5030B and 8260D	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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

Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250103**

Date Received : May 26, 2022

Date Reported : Jun 06, 2022

Report Number : 2328295-1 Rev. No.1

Page 1 of 1

<b>Sample Number</b>	2250103-2
<b>Sampled Date</b>	May 26, 2022 11:35 AM
<b>Sample Description</b>	Groundwater
<b>Location</b>	บ่อสังเกตการณ์ 1 MW-1 HD2
<b>Date Analysis Commenced</b>	May 27, 2022
<b>Condition of Sample</b>	Contained in one plastic bottle, two amber glass bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	4.9	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช่เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ไซบริโกคือ 6.5-9.2

**Sampled By :** Wanlop Hunchainaow , Thanasoun Namakunna

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Technical Management

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250103**

Date Received : May 26, 2022

Date Reported : Jun 06, 2022

Report Number : 2328295-2 Rev. No.1

Page 1 of 1

<b>Sample Number</b>	2250103-2						
<b>Sampled Date</b>	May 26, 2022 11:35 AM						
<b>Sample Description</b>	Groundwater						
<b>Location</b>	บ่อสังเกตการณ์ 1 MW-1 HD2						
<b>Date Analysis Commenced</b>	May 27, 2022						
<b>Condition of Sample</b>	Contained in one plastic bottle, two amber glass bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
n-Hexane	mg/L	-	0.001	<0.001	11	Based on APHA (2017), 6200B	Bangkok
<b>Petroleum Hydrocarbons</b>							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	Based on US EPA, Method 3510C and 8015C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	Based on US EPA, Method 3510C and 8015C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	Based on US EPA, Method 5030B and 8260D	Bangkok

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**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250103**

Date Received : May 26, 2022

Date Reported : Jun 01, 2022

Report Number : 2328296-1

Page 1 of 1

<b>Sample Number</b>	2250103-3
<b>Sampled Date</b>	May 26, 2022 10:55 AM
<b>Sample Description</b>	Groundwater
<b>Location</b>	บ่อสังเกตการณ์ 3 MW-3 HD2
<b>Date Analysis Commenced</b>	May 27, 2022
<b>Condition of Sample</b>	Contained in one plastic bottle, two amber glass bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	4.4	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

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**Sampled By :** Wanlop Hunchainaow , Thanasoun Namakunna

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Technical Management

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250103**

Date Received : May 26, 2022

Date Reported : Jun 02, 2022

Report Number : 2328296-2

Page 1 of 1

<b>Sample Number</b>	2250103-3						
<b>Sampled Date</b>	May 26, 2022 10:55 AM						
<b>Sample Description</b>	Groundwater						
<b>Location</b>	บ่อสังเกตการณ์ 3 MW-3 HD2						
<b>Date Analysis Commenced</b>	May 27, 2022						
<b>Condition of Sample</b>	Contained in one plastic bottle, two amber glass bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
n-Hexane	mg/L	-	0.001	<0.001	11	Based on APHA (2017), 6200B	Bangkok
<b>Petroleum Hydrocarbons</b>							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	Based on US EPA, Method 3510C and 8015C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	Based on US EPA, Method 3510C and 8015C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	Based on US EPA, Method 5030B and 8260D	Bangkok

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Technical Management

Siriluk P.

Siriluk Puengpang

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Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250103**

Date Received : May 26, 2022

Date Reported : Jun 01, 2022

Report Number : 2328297-1

Page 1 of 1

<b>Sample Number</b>	2250103-4						
<b>Sampled Date</b>	May 26, 2022 10:05 AM						
<b>Sample Description</b>	Groundwater						
<b>Location</b>	บ่อสังเกตการณ์ 4 MW-4 HD3						
<b>Date Analysis Commenced</b>	May 27, 2022						
<b>Condition of Sample</b>	Contained in one plastic bottle, two amber glass bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline / Specification</b>	<b>Method</b>	<b>Testing Location</b>
<b>Water Testing</b>							
pH at 25 degree C		-	-	4.4	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

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**Sampled By :** Wanlop Hunchainaow , Thanasoun Namakunna

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Technical Management

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Supervisor

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*D. Changchon*

Dej Changchon

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250103**

Date Received : May 26, 2022

Date Reported : Jun 02, 2022

Report Number : 2328297-2

Page 1 of 1

<b>Sample Number</b>	2250103-4						
<b>Sampled Date</b>	May 26, 2022 10:05 AM						
<b>Sample Description</b>	Groundwater						
<b>Location</b>	บ่อสังเกตการณ์ 4 MW-4 HD3						
<b>Date Analysis Commenced</b>	May 27, 2022						
<b>Condition of Sample</b>	Contained in one plastic bottle, two amber glass bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
n-Hexane	mg/L	-	0.001	<0.001	11	Based on APHA (2017), 6200B	Bangkok
<b>Petroleum Hydrocarbons</b>							
TPH C>16-C35	mg/L	-	0.05	<0.05	0.1	Based on US EPA, Method 3510C and 8015C	Bangkok
TPH C>8-C16	mg/L	-	0.05	<0.05	1.7	Based on US EPA, Method 3510C and 8015C	Bangkok
TPH C5-C8	mg/L	-	0.01	<0.01	1.4	Based on US EPA, Method 5030B and 8260D	Bangkok

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location:** HDPE#2

**Lot ID: 2149575**

Date Received : Oct 20, 2021

Date Reported : Oct 28, 2021

Report Number : 2136466-1

Page 1 of 1

<b>Sample Number</b>	2149575-2
<b>Sampled Date</b>	Oct 20, 2021 11:00 AM
<b>Sample Description</b>	Soil
<b>Location</b>	บ่อสังเคราะห์การณ 2 MW-2 HD2
<b>Date Analysis Commenced</b>	Oct 21, 2021
<b>Condition of Sample</b>	Packed in one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
n-Hexane	mg/kg	-	0.2	<0.2	1000	Based on US EPA, Method 5035 and 8260D	Bangkok
<b>Petroleum Hydrocarbons</b>							
TPH C>16-C35	mg/kg	-	5	<5	8.0	Based on US EPA, Method 3570 and 8015B	Bangkok
TPH C>8-C16	mg/kg	-	10	<10	25	Based on US EPA, Method 3570 and 8015B	Bangkok
TPH C5-C8	mg/kg	-	5	<5	25	Based on US EPA, Method 5035 and 8260D	Bangkok

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**Sampled By :** Thanasoun Namakunna

Remark :

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location:** HDPE#2

**Lot ID: 2149575**

Date Received : Oct 20, 2021

Date Reported : Oct 28, 2021

Report Number : 2136466-2

Page 1 of 1

<b>Sample Number</b>	2149575-2
<b>Sampled Date</b>	Oct 20, 2021 11:00 AM
<b>Sample Description</b>	Soil
<b>Location</b>	บ่อสังเคราะห์ 2 MW-2 HD2
<b>Date Analysis Commenced</b>	Oct 22, 2021
<b>Condition of Sample</b>	Packed in one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Soil Testing</b>							
pH aqueous phase 50% (w/v)		-	-	8.4	No Standard	Based on US EPA, Method 9045D	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Thanasoun Namakunna

Remark :

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

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Approved by

Siriluk P.

Siriluk Puenggang  
Supervisor

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location:** HDPE#2

**Lot ID: 2149575**

Date Received : Oct 20, 2021

Date Reported : Oct 28, 2021

Report Number : 2136465-1

Page 1 of 1

<b>Sample Number</b>	2149575-1
<b>Sampled Date</b>	Oct 20, 2021 12:15 PM
<b>Sample Description</b>	Soil
<b>Location</b>	บ่อสังเคราะห์การปน 1 MW-1 HD3
<b>Date Analysis Commenced</b>	Oct 21, 2021
<b>Condition of Sample</b>	Packed in one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
n-Hexane	mg/kg	-	0.2	<0.2	1000	Based on US EPA, Method 5035 and 8260D	Bangkok
<b>Petroleum Hydrocarbons</b>							
TPH C>16-C35	mg/kg	-	5	<5	8.0	Based on US EPA, Method 3570 and 8015B	Bangkok
TPH C>8-C16	mg/kg	-	10	<10	25	Based on US EPA, Method 3570 and 8015B	Bangkok
TPH C5-C8	mg/kg	-	5	<5	25	Based on US EPA, Method 5035 and 8260D	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Thanasoun Namakunna

Remark :

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

Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location:** HDPE#2

**Lot ID: 2149575**

Date Received : Oct 20, 2021

Date Reported : Oct 28, 2021

Report Number : 2136465-2

Page 1 of 1

<b>Sample Number</b>	2149575-1
<b>Sampled Date</b>	Oct 20, 2021 12:15 PM
<b>Sample Description</b>	Soil
<b>Location</b>	บ่อสังเคราะห์ 1 MW-1 HD3
<b>Date Analysis Commenced</b>	Oct 22, 2021
<b>Condition of Sample</b>	Packed in one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Soil Testing</b>							
pH aqueous phase 50% (w/v)		-	-	8.2	No Standard	Based on US EPA, Method 9045D	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Thanasoun Namakunna

Remark :

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location:** HDPE#2

**Lot ID: 2149575**

Date Received : Oct 20, 2021

Date Reported : Oct 28, 2021

Report Number : 2136467-1

Page 1 of 1

<b>Sample Number</b>	2149575-3
<b>Sampled Date</b>	Oct 20, 2021 10:10 AM
<b>Sample Description</b>	Soil
<b>Location</b>	บ่อสังเกตราดน้ำ 3 MW-3 HD2
<b>Date Analysis Commenced</b>	Oct 21, 2021
<b>Condition of Sample</b>	Packed in one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
n-Hexane	mg/kg	-	0.2	<0.2	1000	Based on US EPA, Method 5035 and 8260D	Bangkok
<b>Petroleum Hydrocarbons</b>							
TPH C>16-C35	mg/kg	-	5	<5	8.0	Based on US EPA, Method 3570 and 8015B	Bangkok
TPH C>8-C16	mg/kg	-	10	<10	25	Based on US EPA, Method 3570 and 8015B	Bangkok
TPH C5-C8	mg/kg	-	5	<5	25	Based on US EPA, Method 5035 and 8260D	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Thanasoun Namakunna

Remark :

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

Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location:** HDPE#2

**Lot ID: 2149575**

Date Received : Oct 20, 2021

Date Reported : Oct 28, 2021

Report Number : 2136467-2

Page 1 of 1

<b>Sample Number</b>	2149575-3
<b>Sampled Date</b>	Oct 20, 2021 10:10 AM
<b>Sample Description</b>	Soil
<b>Location</b>	บ่อสังเกตราดน้ำ 3 MW-3 HD2
<b>Date Analysis Commenced</b>	Oct 22, 2021
<b>Condition of Sample</b>	Packed in one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Soil Testing</b>							
pH aqueous phase 50% (w/v)		-	-	7.9	No Standard	Based on US EPA, Method 9045D	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Thanasoun Namakunna

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location:** HDPE#2

**Lot ID: 2149575**

Date Received : Oct 20, 2021

Date Reported : Oct 28, 2021

Report Number : 2136468-1

Page 1 of 1

<b>Sample Number</b>	2149575-4
<b>Sampled Date</b>	Oct 20, 2021 9:40 AM
<b>Sample Description</b>	Soil
<b>Location</b>	บ่อสังเคราะห์ 4 MW-4 HD3
<b>Date Analysis Commenced</b>	Oct 21, 2021
<b>Condition of Sample</b>	Packed in one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Organic Compounds</b>							
n-Hexane	mg/kg	-	0.2	<0.2	1000	Based on US EPA, Method 5035 and 8260D	Bangkok
<b>Petroleum Hydrocarbons</b>							
TPH C>16-C35	mg/kg	-	5	<5	8.0	Based on US EPA, Method 3570 and 8015B	Bangkok
TPH C>8-C16	mg/kg	-	10	<10	25	Based on US EPA, Method 3570 and 8015B	Bangkok
TPH C5-C8	mg/kg	-	5	<5	25	Based on US EPA, Method 5035 and 8260D	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Thanasoun Namakunna

Remark :

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

Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location:** HDPE#2

**Lot ID: 2149575**

Date Received : Oct 20, 2021

Date Reported : Oct 28, 2021

Report Number : 2136468-2

Page 1 of 1

<b>Sample Number</b>	2149575-4
<b>Sampled Date</b>	Oct 20, 2021 9:40 AM
<b>Sample Description</b>	Soil
<b>Location</b>	บ่อสังเคราะห์ 4 MW-4 HD3
<b>Date Analysis Commenced</b>	Oct 22, 2021
<b>Condition of Sample</b>	Packed in one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Soil Testing</b>							
pH aqueous phase 50% (w/v)		-	-	7.8	No Standard	Based on US EPA, Method 9045D	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Thanasoun Namakunna

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321715-1

Page 1 of 1

Sample Number 2250193-1  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3  
Measurement Date May 06 - May 07, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734221

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	62.3	79.6	58.1
02:00 PM - 03:00 PM	65.7	81.9	59.2
03:00 PM - 04:00 PM	63.2	82.1	57.9
04:00 PM - 05:00 PM	66.0	84.2	59.5
05:00 PM - 06:00 PM	64.3	81.6	60.1
06:00 PM - 07:00 PM	67.7	83.9	61.2
07:00 PM - 08:00 PM	65.2	84.1	59.9
08:00 PM - 09:00 PM	64.4	85.3	59.3
09:00 PM - 10:00 PM	61.7	81.1	55.9
10:00 PM - 11:00 PM	60.1	78.2	54.2
11:00 PM - 12:00 AM	59.7	85.7	52.9
12:00 AM - 01:00 AM	63.5	82.1	53.5
01:00 AM - 02:00 AM	61.4	79.6	52.4
02:00 AM - 03:00 AM	60.3	77.9	52.0
03:00 AM - 04:00 AM	57.9	75.0	51.8
04:00 AM - 05:00 AM	58.9	77.1	52.6
05:00 AM - 06:00 AM	67.3	77.4	55.5
06:00 AM - 07:00 AM	66.1	90.2	59.6
07:00 AM - 08:00 AM	68.7	88.1	62.2
08:00 AM - 09:00 AM	67.3	92.5	60.1
09:00 AM - 10:00 AM	69.0	80.6	61.8
10:00 AM - 11:00 AM	63.6	77.4	58.4
11:00 AM - 12:00 PM	64.2	87.8	59.3
12:00 PM - 01:00 PM	64.6	86.2	59.2

Leq Average 24 hrs. (dB(A)) 64.9  
Lmax (dB(A)) 92.5  
L90 (dB(A)) 58.4  
Ldn (dB(A)) 69.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321716-1

Page 1 of 1

Sample Number 2250193-2  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3  
Measurement Date May 07 - May 08, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734221

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	63.8	79.4	59.0
02:00 PM - 03:00 PM	69.3	88.9	60.4
03:00 PM - 04:00 PM	64.0	82.2	58.2
04:00 PM - 05:00 PM	65.4	84.6	59.2
05:00 PM - 06:00 PM	64.5	83.6	59.7
06:00 PM - 07:00 PM	67.0	85.0	60.6
07:00 PM - 08:00 PM	65.9	86.0	60.2
08:00 PM - 09:00 PM	63.2	81.9	57.5
09:00 PM - 10:00 PM	63.4	87.6	56.0
10:00 PM - 11:00 PM	61.8	82.5	55.6
11:00 PM - 12:00 AM	62.4	85.5	54.6
12:00 AM - 01:00 AM	58.1	80.5	53.3
01:00 AM - 02:00 AM	56.8	74.4	53.4
02:00 AM - 03:00 AM	58.0	77.2	54.2
03:00 AM - 04:00 AM	58.8	85.7	53.8
04:00 AM - 05:00 AM	58.9	76.4	53.3
05:00 AM - 06:00 AM	67.5	78.4	54.7
06:00 AM - 07:00 AM	65.1	86.5	58.2
07:00 AM - 08:00 AM	68.3	93.9	61.5
08:00 AM - 09:00 AM	66.7	87.3	59.6
09:00 AM - 10:00 AM	68.6	93.1	57.6
10:00 AM - 11:00 AM	62.6	79.2	57.3
11:00 AM - 12:00 PM	63.0	85.1	58.3
12:00 PM - 01:00 PM	63.4	87.6	58.0

Leq Average 24 hrs. (dB(A)) 64.8  
Lmax (dB(A)) 93.9  
L90 (dB(A)) 57.6  
Ldn (dB(A)) 69.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321717-1

Page 1 of 1

Sample Number 2250193-3  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3  
Measurement Date May 08 - May 09, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734221

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	65.6	85.9	57.9
02:00 PM - 03:00 PM	62.9	77.1	57.9
03:00 PM - 04:00 PM	62.8	82.5	58.1
04:00 PM - 05:00 PM	64.4	83.3	59.5
05:00 PM - 06:00 PM	64.6	84.6	59.6
06:00 PM - 07:00 PM	68.4	85.6	60.6
07:00 PM - 08:00 PM	65.5	82.8	59.4
08:00 PM - 09:00 PM	63.4	87.6	58.0
09:00 PM - 10:00 PM	63.0	84.9	56.1
10:00 PM - 11:00 PM	60.5	81.5	53.6
11:00 PM - 12:00 AM	60.9	84.5	53.4
12:00 AM - 01:00 AM	60.2	77.4	54.2
01:00 AM - 02:00 AM	60.6	88.5	57.0
02:00 AM - 03:00 AM	56.8	77.2	51.6
03:00 AM - 04:00 AM	58.6	83.0	53.1
04:00 AM - 05:00 AM	59.6	78.2	53.8
05:00 AM - 06:00 AM	69.4	85.8	59.5
06:00 AM - 07:00 AM	67.5	88.3	60.8
07:00 AM - 08:00 AM	69.1	87.1	63.7
08:00 AM - 09:00 AM	66.1	86.4	61.4
09:00 AM - 10:00 AM	69.2	84.9	60.5
10:00 AM - 11:00 AM	67.0	89.2	61.2
11:00 AM - 12:00 PM	65.7	89.3	60.3
12:00 PM - 01:00 PM	68.9	81.7	60.4

Leq Average 24 hrs. (dB(A)) 65.5  
Lmax (dB(A)) 89.3  
L90 (dB(A)) 58.1  
Ldn (dB(A)) 70.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321718-1

Page 1 of 1

Sample Number 2250193-4  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3  
Measurement Date May 09 - May 10, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734221

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	64.8	84.0	59.7
02:00 PM - 03:00 PM	68.8	89.6	60.8
03:00 PM - 04:00 PM	63.8	81.5	58.9
04:00 PM - 05:00 PM	65.9	88.2	61.2
05:00 PM - 06:00 PM	66.0	83.5	60.9
06:00 PM - 07:00 PM	68.8	84.6	61.5
07:00 PM - 08:00 PM	66.7	86.1	61.8
08:00 PM - 09:00 PM	63.9	79.1	59.3
09:00 PM - 10:00 PM	62.7	82.9	58.0
10:00 PM - 11:00 PM	62.6	81.1	56.6
11:00 PM - 12:00 AM	58.4	77.7	54.3
12:00 AM - 01:00 AM	64.2	77.2	55.3
01:00 AM - 02:00 AM	58.3	75.9	55.2
02:00 AM - 03:00 AM	57.0	75.6	53.8
03:00 AM - 04:00 AM	58.4	81.4	52.4
04:00 AM - 05:00 AM	62.9	93.1	56.9
05:00 AM - 06:00 AM	66.3	84.3	57.2
06:00 AM - 07:00 AM	66.8	87.6	60.9
07:00 AM - 08:00 AM	69.7	89.1	64.0
08:00 AM - 09:00 AM	69.3	95.0	63.1
09:00 AM - 10:00 AM	66.6	82.4	61.1
10:00 AM - 11:00 AM	64.1	79.7	59.4
11:00 AM - 12:00 PM	65.6	84.3	60.8
12:00 PM - 01:00 PM	68.4	84.2	61.5

Leq Average 24 hrs. (dB(A)) 65.8  
Lmax (dB(A)) 95.0  
L90 (dB(A)) 59.4  
Ldn (dB(A)) 70.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321719-1

Page 1 of 1

Sample Number 2250193-5  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3  
Measurement Date May 10 - May 11, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734221

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	65.9	86.3	61.2
02:00 PM - 03:00 PM	64.2	80.2	60.5
03:00 PM - 04:00 PM	69.1	81.7	61.2
04:00 PM - 05:00 PM	65.2	83.9	59.6
05:00 PM - 06:00 PM	65.8	84.1	60.9
06:00 PM - 07:00 PM	68.2	86.6	61.6
07:00 PM - 08:00 PM	64.7	90.7	59.8
08:00 PM - 09:00 PM	64.6	85.1	58.8
09:00 PM - 10:00 PM	62.7	87.4	56.5
10:00 PM - 11:00 PM	62.2	81.0	56.2
11:00 PM - 12:00 AM	60.0	79.0	54.6
12:00 AM - 01:00 AM	63.3	85.9	54.8
01:00 AM - 02:00 AM	57.8	77.2	53.5
02:00 AM - 03:00 AM	57.9	78.0	54.0
03:00 AM - 04:00 AM	58.5	77.8	54.2
04:00 AM - 05:00 AM	59.4	88.1	53.2
05:00 AM - 06:00 AM	68.1	84.7	54.1
06:00 AM - 07:00 AM	67.8	91.1	60.2
07:00 AM - 08:00 AM	69.4	89.2	63.6
08:00 AM - 09:00 AM	66.1	85.5	61.6
09:00 AM - 10:00 AM	66.2	84.1	62.1
10:00 AM - 11:00 AM	68.8	80.0	62.5
11:00 AM - 12:00 PM	64.8	85.3	60.7
12:00 PM - 01:00 PM	69.8	90.1	62.5

Leq Average 24 hrs. (dB(A)) 65.9  
Lmax (dB(A)) 91.1  
L90 (dB(A)) 59.8  
Ldn (dB(A)) 70.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321720-1

Page 1 of 1

Sample Number 2250193-6  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3  
Measurement Date May 11 - May 12, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734221

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	67.5	82.3	61.1
02:00 PM - 03:00 PM	63.5	83.4	59.3
03:00 PM - 04:00 PM	64.2	85.3	59.3
04:00 PM - 05:00 PM	69.4	88.8	61.1
05:00 PM - 06:00 PM	64.7	83.9	60.8
06:00 PM - 07:00 PM	67.9	83.6	61.5
07:00 PM - 08:00 PM	65.5	88.4	60.4
08:00 PM - 09:00 PM	64.3	85.5	59.5
09:00 PM - 10:00 PM	61.9	80.1	57.0
10:00 PM - 11:00 PM	62.3	81.5	56.9
11:00 PM - 12:00 AM	62.2	78.3	56.2
12:00 AM - 01:00 AM	61.3	77.7	55.9
01:00 AM - 02:00 AM	60.4	90.4	55.3
02:00 AM - 03:00 AM	58.3	81.3	54.1
03:00 AM - 04:00 AM	63.5	74.9	54.8
04:00 AM - 05:00 AM	58.8	78.0	54.4
05:00 AM - 06:00 AM	67.6	82.3	56.4
06:00 AM - 07:00 AM	67.0	89.6	61.1
07:00 AM - 08:00 AM	69.6	89.9	63.4
08:00 AM - 09:00 AM	66.2	85.1	61.6
09:00 AM - 10:00 AM	67.5	78.3	60.6
10:00 AM - 11:00 AM	64.2	81.6	60.1
11:00 AM - 12:00 PM	65.6	83.1	60.3
12:00 PM - 01:00 PM	66.4	90.1	60.2

Leq Average 24 hrs. (dB(A)) 65.5  
Lmax (dB(A)) 90.4  
L90 (dB(A)) 59.5  
Ldn (dB(A)) 70.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321721-1

Page 1 of 1

Sample Number 2250193-7  
Parameter Noise (Leq 24 hrs.)  
Location บริเวณทางเข้าพื้นที่ SCG Chemicals Site#3  
Measurement Date May 12 - May 13, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734221

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	67.4	82.8	60.7
02:00 PM - 03:00 PM	64.8	88.1	60.5
03:00 PM - 04:00 PM	63.5	81.7	59.2
04:00 PM - 05:00 PM	68.4	90.2	61.6
05:00 PM - 06:00 PM	66.8	86.3	61.2
06:00 PM - 07:00 PM	66.9	86.1	61.3
07:00 PM - 08:00 PM	66.3	89.6	60.9
08:00 PM - 09:00 PM	63.9	86.3	59.1
09:00 PM - 10:00 PM	62.8	85.8	57.3
10:00 PM - 11:00 PM	61.2	78.0	57.0
11:00 PM - 12:00 AM	59.7	74.7	55.1
12:00 AM - 01:00 AM	61.5	78.0	55.0
01:00 AM - 02:00 AM	59.5	91.2	54.8
02:00 AM - 03:00 AM	59.5	74.1	55.1
03:00 AM - 04:00 AM	58.3	77.5	54.5
04:00 AM - 05:00 AM	60.0	81.9	55.1
05:00 AM - 06:00 AM	66.2	85.0	60.2
06:00 AM - 07:00 AM	69.0	94.1	60.9
07:00 AM - 08:00 AM	69.7	91.9	64.1
08:00 AM - 09:00 AM	66.8	94.0	60.7
09:00 AM - 10:00 AM	64.6	72.2	60.4
10:00 AM - 11:00 AM	62.4	83.3	57.3
11:00 AM - 12:00 PM	59.7	79.1	53.9
12:00 PM - 01:00 PM	58.1	76.2	52.2

Leq Average 24 hrs. (dB(A)) 65.0  
Lmax (dB(A)) 94.1  
L90 (dB(A)) 59.1  
Ldn (dB(A)) 70.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321722-1

Page 1 of 1

Sample Number 2250193-8  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3  
Measurement Date May 06 - May 07, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	67.0	88.1	61.0
02:00 PM - 03:00 PM	65.9	78.5	59.9
03:00 PM - 04:00 PM	66.4	83.0	60.3
04:00 PM - 05:00 PM	67.4	82.8	62.3
05:00 PM - 06:00 PM	67.4	86.3	61.9
06:00 PM - 07:00 PM	66.9	86.6	60.2
07:00 PM - 08:00 PM	65.8	86.1	58.6
08:00 PM - 09:00 PM	63.8	84.1	53.4
09:00 PM - 10:00 PM	61.6	78.7	49.5
10:00 PM - 11:00 PM	59.0	75.0	42.3
11:00 PM - 12:00 AM	58.5	76.0	41.1
12:00 AM - 01:00 AM	57.6	81.6	40.6
01:00 AM - 02:00 AM	54.4	72.1	39.5
02:00 AM - 03:00 AM	55.1	80.9	38.7
03:00 AM - 04:00 AM	56.0	74.9	39.1
04:00 AM - 05:00 AM	59.7	72.8	42.7
05:00 AM - 06:00 AM	63.4	85.0	54.8
06:00 AM - 07:00 AM	65.3	82.5	59.1
07:00 AM - 08:00 AM	65.4	79.4	59.7
08:00 AM - 09:00 AM	65.6	79.2	59.3
09:00 AM - 10:00 AM	67.0	87.5	61.2
10:00 AM - 11:00 AM	66.7	81.0	61.0
11:00 AM - 12:00 PM	67.1	87.0	60.6
12:00 PM - 01:00 PM	66.9	85.2	60.8

Leq Average 24 hrs. (dB(A)) 64.8  
Lmax (dB(A)) 88.1  
L90 (dB(A)) 59.1  
Ldn (dB(A)) 68.2  
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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321723-1

Page 1 of 1

Sample Number 2250193-9  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3  
Measurement Date May 07 - May 08, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	66.3	85.1	59.3
02:00 PM - 03:00 PM	65.3	75.4	58.5
03:00 PM - 04:00 PM	65.9	77.8	58.6
04:00 PM - 05:00 PM	66.7	81.6	60.7
05:00 PM - 06:00 PM	66.0	83.3	59.4
06:00 PM - 07:00 PM	65.1	80.8	58.3
07:00 PM - 08:00 PM	63.5	82.2	56.0
08:00 PM - 09:00 PM	64.1	87.1	51.2
09:00 PM - 10:00 PM	61.7	82.3	48.0
10:00 PM - 11:00 PM	63.2	82.8	50.4
11:00 PM - 12:00 AM	58.3	70.9	45.5
12:00 AM - 01:00 AM	56.5	71.1	46.1
01:00 AM - 02:00 AM	55.2	69.9	46.5
02:00 AM - 03:00 AM	54.8	71.0	44.5
03:00 AM - 04:00 AM	54.6	71.7	40.8
04:00 AM - 05:00 AM	57.3	78.2	41.8
05:00 AM - 06:00 AM	60.2	74.6	49.9
06:00 AM - 07:00 AM	62.5	81.8	54.8
07:00 AM - 08:00 AM	62.0	75.8	54.1
08:00 AM - 09:00 AM	62.8	74.6	56.2
09:00 AM - 10:00 AM	65.6	79.7	58.8
10:00 AM - 11:00 AM	66.6	83.6	60.0
11:00 AM - 12:00 PM	67.1	83.5	60.3
12:00 PM - 01:00 PM	67.1	86.0	60.4

Leq Average 24 hrs. (dB(A)) 63.9  
Lmax (dB(A)) 87.1  
L90 (dB(A)) 54.8  
Ldn (dB(A)) 67.2  
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

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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321724-1

Page 1 of 1

Sample Number 2250193-10  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3  
Measurement Date May 08 - May 09, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	65.6	76.4	58.9
02:00 PM - 03:00 PM	65.9	88.7	58.1
03:00 PM - 04:00 PM	66.2	85.8	59.9
04:00 PM - 05:00 PM	66.9	81.9	61.9
05:00 PM - 06:00 PM	66.8	81.9	61.3
06:00 PM - 07:00 PM	66.4	87.0	59.7
07:00 PM - 08:00 PM	63.9	81.2	56.9
08:00 PM - 09:00 PM	62.3	79.5	52.8
09:00 PM - 10:00 PM	63.8	91.3	48.8
10:00 PM - 11:00 PM	57.8	75.5	42.9
11:00 PM - 12:00 AM	58.3	83.7	41.4
12:00 AM - 01:00 AM	56.6	84.8	39.3
01:00 AM - 02:00 AM	53.9	78.9	38.6
02:00 AM - 03:00 AM	52.8	75.2	38.2
03:00 AM - 04:00 AM	55.1	76.7	38.7
04:00 AM - 05:00 AM	59.1	72.9	41.8
05:00 AM - 06:00 AM	63.4	80.1	54.4
06:00 AM - 07:00 AM	64.0	75.3	58.2
07:00 AM - 08:00 AM	65.3	82.7	60.1
08:00 AM - 09:00 AM	66.1	81.8	60.6
09:00 AM - 10:00 AM	67.0	84.0	62.0
10:00 AM - 11:00 AM	67.0	85.7	61.5
11:00 AM - 12:00 PM	66.7	87.5	61.3
12:00 PM - 01:00 PM	67.1	84.2	61.8

Leq Average 24 hrs. (dB(A)) 64.5  
Lmax (dB(A)) 91.3  
L90 (dB(A)) 58.1  
Ldn (dB(A)) 67.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321725-1

Page 1 of 1

Sample Number 2250193-11  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3  
Measurement Date May 09 - May 10, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	66.0	79.4	61.0
02:00 PM - 03:00 PM	65.7	76.8	60.2
03:00 PM - 04:00 PM	65.5	77.8	59.9
04:00 PM - 05:00 PM	67.5	90.7	61.5
05:00 PM - 06:00 PM	66.0	81.4	60.5
06:00 PM - 07:00 PM	66.3	86.5	60.2
07:00 PM - 08:00 PM	64.8	88.5	56.9
08:00 PM - 09:00 PM	60.9	74.0	51.4
09:00 PM - 10:00 PM	58.1	77.6	45.2
10:00 PM - 11:00 PM	56.5	77.1	41.8
11:00 PM - 12:00 AM	56.4	82.5	41.9
12:00 AM - 01:00 AM	53.7	70.2	41.9
01:00 AM - 02:00 AM	52.5	73.4	40.1
02:00 AM - 03:00 AM	52.8	71.1	38.1
03:00 AM - 04:00 AM	59.1	71.6	48.5
04:00 AM - 05:00 AM	60.6	69.7	53.9
05:00 AM - 06:00 AM	63.5	78.8	56.9
06:00 AM - 07:00 AM	62.7	75.6	57.3
07:00 AM - 08:00 AM	62.5	82.7	57.2
08:00 AM - 09:00 AM	62.2	76.1	56.8
09:00 AM - 10:00 AM	65.2	76.5	59.7
10:00 AM - 11:00 AM	65.6	75.2	60.5
11:00 AM - 12:00 PM	65.6	82.9	60.3
12:00 PM - 01:00 PM	65.4	78.7	60.6

Leq Average 24 hrs. (dB(A)) 63.6  
Lmax (dB(A)) 90.7  
L90 (dB(A)) 56.9  
Ldn (dB(A)) 67.1  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321726-1

Page 1 of 1

Sample Number 2250193-12  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3  
Measurement Date May 10 - May 11, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	66.3	89.5	60.8
02:00 PM - 03:00 PM	66.1	85.1	59.9
03:00 PM - 04:00 PM	66.7	85.3	60.3
04:00 PM - 05:00 PM	66.7	87.3	61.1
05:00 PM - 06:00 PM	65.4	77.3	60.8
06:00 PM - 07:00 PM	66.1	88.0	59.8
07:00 PM - 08:00 PM	64.0	83.5	57.6
08:00 PM - 09:00 PM	62.4	76.6	54.5
09:00 PM - 10:00 PM	60.6	76.5	51.6
10:00 PM - 11:00 PM	59.7	81.1	49.8
11:00 PM - 12:00 AM	58.3	83.1	48.9
12:00 AM - 01:00 AM	55.7	73.3	42.2
01:00 AM - 02:00 AM	53.2	73.2	41.1
02:00 AM - 03:00 AM	55.5	75.8	42.5
03:00 AM - 04:00 AM	56.0	69.2	45.7
04:00 AM - 05:00 AM	58.2	72.5	44.0
05:00 AM - 06:00 AM	62.8	77.6	55.2
06:00 AM - 07:00 AM	63.6	75.6	57.9
07:00 AM - 08:00 AM	63.2	79.3	57.8
08:00 AM - 09:00 AM	62.8	76.1	56.9
09:00 AM - 10:00 AM	63.1	79.6	57.8
10:00 AM - 11:00 AM	65.3	82.6	60.2
11:00 AM - 12:00 PM	66.5	80.9	60.4
12:00 PM - 01:00 PM	65.7	86.7	60.1

Leq Average 24 hrs. (dB(A)) 63.7  
Lmax (dB(A)) 89.5  
L90 (dB(A)) 57.6  
Ldn (dB(A)) 67.2  
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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321727-1

Page 1 of 1

Sample Number 2250193-13  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3  
Measurement Date May 11 - May 12, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	65.6	82.1	60.1
02:00 PM - 03:00 PM	65.5	79.6	59.2
03:00 PM - 04:00 PM	65.7	83.1	59.5
04:00 PM - 05:00 PM	65.6	79.6	60.5
05:00 PM - 06:00 PM	65.8	84.8	60.0
06:00 PM - 07:00 PM	66.1	82.0	60.3
07:00 PM - 08:00 PM	64.6	82.7	57.8
08:00 PM - 09:00 PM	63.7	85.8	54.1
09:00 PM - 10:00 PM	60.9	79.0	50.1
10:00 PM - 11:00 PM	60.2	85.4	48.2
11:00 PM - 12:00 AM	58.3	76.4	47.6
12:00 AM - 01:00 AM	58.1	78.8	46.9
01:00 AM - 02:00 AM	57.1	84.0	46.2
02:00 AM - 03:00 AM	55.5	72.9	44.9
03:00 AM - 04:00 AM	56.5	77.1	45.3
04:00 AM - 05:00 AM	60.9	75.7	47.3
05:00 AM - 06:00 AM	65.4	83.9	57.5
06:00 AM - 07:00 AM	66.4	79.4	60.8
07:00 AM - 08:00 AM	66.1	84.7	61.2
08:00 AM - 09:00 AM	65.8	79.9	60.7
09:00 AM - 10:00 AM	67.1	76.7	62.0
10:00 AM - 11:00 AM	67.0	82.1	61.9
11:00 AM - 12:00 PM	67.1	82.0	61.5
12:00 PM - 01:00 PM	66.5	77.9	60.8

Leq Average 24 hrs. (dB(A)) 64.6  
Lmax (dB(A)) 85.8  
L90 (dB(A)) 59.2  
Ldn (dB(A)) 68.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321728-1

Page 1 of 1

Sample Number 2250193-14  
Parameter Noise (Leq 24 hrs.)  
Location ด้านทิศตะวันออกของ SCG Chemicals Site#3  
Measurement Date May 12 - May 13, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	65.9	77.8	60.8
02:00 PM - 03:00 PM	65.9	79.8	60.3
03:00 PM - 04:00 PM	66.6	86.1	59.9
04:00 PM - 05:00 PM	66.9	84.0	61.6
05:00 PM - 06:00 PM	66.1	79.3	60.6
06:00 PM - 07:00 PM	65.8	78.5	60.3
07:00 PM - 08:00 PM	64.7	81.4	58.7
08:00 PM - 09:00 PM	63.6	80.5	53.9
09:00 PM - 10:00 PM	62.0	79.4	51.8
10:00 PM - 11:00 PM	60.0	79.5	47.5
11:00 PM - 12:00 AM	58.7	76.3	46.5
12:00 AM - 01:00 AM	57.4	77.5	46.7
01:00 AM - 02:00 AM	58.1	81.0	46.6
02:00 AM - 03:00 AM	56.1	79.9	45.2
03:00 AM - 04:00 AM	56.9	74.5	45.8
04:00 AM - 05:00 AM	59.9	77.0	47.8
05:00 AM - 06:00 AM	64.1	80.3	56.5
06:00 AM - 07:00 AM	65.8	79.4	60.4
07:00 AM - 08:00 AM	66.3	78.5	61.6
08:00 AM - 09:00 AM	65.8	77.3	61.0
09:00 AM - 10:00 AM	66.6	81.4	61.2
10:00 AM - 11:00 AM	66.5	79.3	61.1
11:00 AM - 12:00 PM	66.6	81.1	61.2
12:00 PM - 01:00 PM	66.7	85.8	61.2

Leq Average 24 hrs. (dB(A)) 64.6  
Lmax (dB(A)) 86.1  
L90 (dB(A)) 59.9  
Ldn (dB(A)) 68.5  
Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321729-1

Page 1 of 1

Sample Number 2250193-15  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่มาตาตุด หรือใกล้เคียง  
Measurement Date May 06 - May 07, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	46.4	62.8	44.0
01:00 PM - 02:00 PM	49.1	69.2	44.8
02:00 PM - 03:00 PM	48.2	68.4	44.8
03:00 PM - 04:00 PM	50.4	76.4	46.1
04:00 PM - 05:00 PM	53.5	79.8	46.5
05:00 PM - 06:00 PM	63.6	96.3	48.0
06:00 PM - 07:00 PM	51.5	79.1	46.0
07:00 PM - 08:00 PM	51.0	59.7	47.1
08:00 PM - 09:00 PM	53.1	57.7	52.0
09:00 PM - 10:00 PM	53.1	59.1	50.9
10:00 PM - 11:00 PM	51.3	57.4	50.0
11:00 PM - 12:00 AM	48.4	59.4	47.1
12:00 AM - 01:00 AM	48.2	57.9	47.3
01:00 AM - 02:00 AM	47.0	61.0	45.9
02:00 AM - 03:00 AM	47.7	60.7	45.2
03:00 AM - 04:00 AM	49.2	62.0	46.7
04:00 AM - 05:00 AM	50.7	72.0	47.4
05:00 AM - 06:00 AM	64.8	75.0	50.6
06:00 AM - 07:00 AM	54.7	76.7	49.2
07:00 AM - 08:00 AM	53.7	87.1	48.8
08:00 AM - 09:00 AM	52.1	72.6	48.9
09:00 AM - 10:00 AM	50.6	67.1	44.7
10:00 AM - 11:00 AM	48.8	65.5	44.3
11:00 AM - 12:00 PM	48.4	62.6	44.2

Leq Average 24 hrs. (dB(A)) 55.3  
Lmax (dB(A)) 96.3  
L90 (dB(A)) 46.7  
Ldn (dB(A)) 62.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321730-1

Page 1 of 1

Sample Number 2250193-16  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่มาตาตุด หรือใกล้เคียง  
Measurement Date May 07 - May 08, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	50.8	73.7	46.0
01:00 PM - 02:00 PM	51.5	71.8	47.4
02:00 PM - 03:00 PM	52.7	72.6	47.7
03:00 PM - 04:00 PM	51.6	68.0	48.2
04:00 PM - 05:00 PM	51.7	68.3	48.5
05:00 PM - 06:00 PM	51.4	80.7	47.8
06:00 PM - 07:00 PM	54.8	65.1	51.5
07:00 PM - 08:00 PM	54.3	78.9	51.4
08:00 PM - 09:00 PM	54.6	70.1	53.7
09:00 PM - 10:00 PM	53.8	65.7	52.2
10:00 PM - 11:00 PM	53.4	68.0	52.5
11:00 PM - 12:00 AM	50.0	75.5	48.4
12:00 AM - 01:00 AM	53.1	79.4	49.3
01:00 AM - 02:00 AM	50.1	57.9	48.6
02:00 AM - 03:00 AM	49.0	54.4	47.4
03:00 AM - 04:00 AM	48.6	69.7	46.5
04:00 AM - 05:00 AM	51.9	73.7	47.2
05:00 AM - 06:00 AM	56.4	73.1	49.4
06:00 AM - 07:00 AM	54.7	76.2	48.5
07:00 AM - 08:00 AM	53.9	76.5	48.5
08:00 AM - 09:00 AM	52.5	73.5	47.6
09:00 AM - 10:00 AM	60.2	74.0	47.6
10:00 AM - 11:00 AM	58.6	71.9	48.6
11:00 AM - 12:00 PM	51.7	69.8	47.5

Leq Average 24 hrs. (dB(A)) 54.0  
Lmax (dB(A)) 80.7  
L90 (dB(A)) 48.4  
Ldn (dB(A)) 59.4  
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

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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321731-1

Page 1 of 1

Sample Number 2250193-17  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่มาตาตุด หรือใกล้เคียง  
Measurement Date May 08 - May 09, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.9	73.9	46.9
01:00 PM - 02:00 PM	50.5	80.8	47.1
02:00 PM - 03:00 PM	51.5	77.8	47.1
03:00 PM - 04:00 PM	53.2	76.6	48.0
04:00 PM - 05:00 PM	64.4	78.7	49.0
05:00 PM - 06:00 PM	55.2	86.1	47.7
06:00 PM - 07:00 PM	52.2	78.6	48.2
07:00 PM - 08:00 PM	53.2	76.7	50.7
08:00 PM - 09:00 PM	52.5	70.1	50.8
09:00 PM - 10:00 PM	53.3	72.3	52.0
10:00 PM - 11:00 PM	52.0	62.4	50.7
11:00 PM - 12:00 AM	49.7	61.9	47.3
12:00 AM - 01:00 AM	49.2	59.1	46.9
01:00 AM - 02:00 AM	50.7	54.8	49.2
02:00 AM - 03:00 AM	50.7	59.1	46.8
03:00 AM - 04:00 AM	52.2	62.4	50.9
04:00 AM - 05:00 AM	51.9	60.4	50.2
05:00 AM - 06:00 AM	52.9	80.3	47.8
06:00 AM - 07:00 AM	52.7	73.3	49.2
07:00 AM - 08:00 AM	52.9	72.7	47.9
08:00 AM - 09:00 AM	52.6	74.5	47.4
09:00 AM - 10:00 AM	50.1	67.0	46.5
10:00 AM - 11:00 AM	51.3	80.8	46.6
11:00 AM - 12:00 PM	50.0	71.8	47.0

Leq Average 24 hrs. (dB(A)) 54.3  
Lmax (dB(A)) 86.1  
L90 (dB(A)) 47.8  
Ldn (dB(A)) 58.7  
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

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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321732-1

Page 1 of 1

Sample Number 2250193-18  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่มาตาตุด หรือใกล้เคียง  
Measurement Date May 09 - May 10, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	50.6	74.4	46.9
01:00 PM - 02:00 PM	53.0	79.0	47.0
02:00 PM - 03:00 PM	51.0	66.0	47.3
03:00 PM - 04:00 PM	51.5	70.3	47.6
04:00 PM - 05:00 PM	51.2	67.8	48.2
05:00 PM - 06:00 PM	50.8	68.9	48.1
06:00 PM - 07:00 PM	50.2	65.7	48.0
07:00 PM - 08:00 PM	51.5	76.4	49.6
08:00 PM - 09:00 PM	51.9	63.6	50.9
09:00 PM - 10:00 PM	50.9	60.9	48.5
10:00 PM - 11:00 PM	49.9	77.4	47.6
11:00 PM - 12:00 AM	49.0	58.9	47.6
12:00 AM - 01:00 AM	48.8	55.3	47.4
01:00 AM - 02:00 AM	48.6	77.3	46.2
02:00 AM - 03:00 AM	48.2	58.3	46.5
03:00 AM - 04:00 AM	48.8	62.8	47.1
04:00 AM - 05:00 AM	49.5	63.5	47.7
05:00 AM - 06:00 AM	53.1	68.6	48.5
06:00 AM - 07:00 AM	52.9	72.3	49.3
07:00 AM - 08:00 AM	53.3	73.4	48.7
08:00 AM - 09:00 AM	51.1	66.4	47.5
09:00 AM - 10:00 AM	53.5	70.9	46.8
10:00 AM - 11:00 AM	54.3	78.8	47.1
11:00 AM - 12:00 PM	49.7	67.7	43.8

Leq Average 24 hrs. (dB(A)) 51.3  
Lmax (dB(A)) 79.0  
L90 (dB(A)) 47.6  
Ldn (dB(A)) 56.9  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321733-1

Page 1 of 1

Sample Number 2250193-19  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่มาตาตุด หรือใกล้เคียง  
Measurement Date May 10 - May 11, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.0	78.8	46.7
01:00 PM - 02:00 PM	52.3	76.1	46.8
02:00 PM - 03:00 PM	51.1	73.7	46.6
03:00 PM - 04:00 PM	52.3	75.9	47.1
04:00 PM - 05:00 PM	51.2	72.7	47.8
05:00 PM - 06:00 PM	50.9	67.9	47.5
06:00 PM - 07:00 PM	49.8	69.1	47.1
07:00 PM - 08:00 PM	49.9	76.7	47.9
08:00 PM - 09:00 PM	50.8	69.7	48.6
09:00 PM - 10:00 PM	53.9	67.1	49.2
10:00 PM - 11:00 PM	53.3	65.4	48.9
11:00 PM - 12:00 AM	48.0	60.6	46.2
12:00 AM - 01:00 AM	47.4	60.5	45.9
01:00 AM - 02:00 AM	48.3	62.2	46.9
02:00 AM - 03:00 AM	48.1	58.2	46.4
03:00 AM - 04:00 AM	47.8	53.9	46.3
04:00 AM - 05:00 AM	48.3	60.9	46.3
05:00 AM - 06:00 AM	53.3	74.1	47.9
06:00 AM - 07:00 AM	52.9	74.4	48.8
07:00 AM - 08:00 AM	52.4	75.3	47.6
08:00 AM - 09:00 AM	51.8	81.1	46.9
09:00 AM - 10:00 AM	50.3	67.8	46.3
10:00 AM - 11:00 AM	50.7	69.2	46.3
11:00 AM - 12:00 PM	49.5	69.9	45.6

Leq Average 24 hrs. (dB(A)) 51.0  
Lmax (dB(A)) 81.1  
L90 (dB(A)) 46.9  
Ldn (dB(A)) 57.0  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321734-1

Page 1 of 1

Sample Number 2250193-20  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่มาตาตุด หรือใกล้เคียง  
Measurement Date May 11 - May 12, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	48.5	65.1	45.3
01:00 PM - 02:00 PM	49.8	63.2	45.8
02:00 PM - 03:00 PM	51.2	75.2	46.1
03:00 PM - 04:00 PM	52.7	74.7	47.4
04:00 PM - 05:00 PM	50.4	68.6	47.0
05:00 PM - 06:00 PM	49.8	64.4	46.8
06:00 PM - 07:00 PM	49.5	73.5	46.8
07:00 PM - 08:00 PM	50.9	81.6	48.6
08:00 PM - 09:00 PM	50.3	65.4	48.0
09:00 PM - 10:00 PM	47.8	64.0	46.3
10:00 PM - 11:00 PM	47.2	59.3	45.4
11:00 PM - 12:00 AM	51.1	56.5	46.5
12:00 AM - 01:00 AM	52.7	57.8	52.0
01:00 AM - 02:00 AM	52.3	63.9	51.8
02:00 AM - 03:00 AM	52.0	77.2	44.8
03:00 AM - 04:00 AM	47.3	54.7	45.6
04:00 AM - 05:00 AM	48.0	63.4	46.0
05:00 AM - 06:00 AM	53.5	87.0	47.0
06:00 AM - 07:00 AM	52.4	76.9	48.5
07:00 AM - 08:00 AM	52.5	73.5	47.6
08:00 AM - 09:00 AM	55.7	86.5	46.9
09:00 AM - 10:00 AM	50.1	73.6	45.7
10:00 AM - 11:00 AM	50.4	73.2	45.9
11:00 AM - 12:00 PM	50.1	77.0	46.2

Leq Average 24 hrs. (dB(A)) 51.2  
Lmax (dB(A)) 87.0  
L90 (dB(A)) 46.5  
Ldn (dB(A)) 57.7  
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

Technical Management

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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.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

**Lot ID: 2250193**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2321735-1

Page 1 of 1

Sample Number 2250193-21  
Parameter Noise (Leq 24 hrs.)  
Location บ้านเมืองใหม่มาตาตุด หรือใกล้เคียง  
Measurement Date May 12 - May 13, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 734220

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	50.6	69.9	45.7
01:00 PM - 02:00 PM	50.6	76.5	45.9
02:00 PM - 03:00 PM	50.3	65.8	46.4
03:00 PM - 04:00 PM	49.9	68.8	46.6
04:00 PM - 05:00 PM	52.3	79.9	47.7
05:00 PM - 06:00 PM	53.0	67.9	47.1
06:00 PM - 07:00 PM	49.3	68.9	47.0
07:00 PM - 08:00 PM	50.6	74.7	48.3
08:00 PM - 09:00 PM	48.0	67.3	46.2
09:00 PM - 10:00 PM	49.3	57.6	48.0
10:00 PM - 11:00 PM	48.6	58.5	47.0
11:00 PM - 12:00 AM	48.1	60.7	46.3
12:00 AM - 01:00 AM	51.5	81.9	45.8
01:00 AM - 02:00 AM	47.6	55.2	46.0
02:00 AM - 03:00 AM	48.0	57.1	46.2
03:00 AM - 04:00 AM	47.6	57.6	45.6
04:00 AM - 05:00 AM	47.5	58.0	45.3
05:00 AM - 06:00 AM	52.6	79.9	47.5
06:00 AM - 07:00 AM	53.3	76.4	49.1
07:00 AM - 08:00 AM	53.1	76.7	47.8
08:00 AM - 09:00 AM	49.9	65.4	46.7
09:00 AM - 10:00 AM	50.9	76.8	46.2
10:00 AM - 11:00 AM	50.6	66.1	46.7
11:00 AM - 12:00 PM	50.2	69.1	46.9

Leq Average 24 hrs. (dB(A)) 50.5  
Lmax (dB(A)) 81.9  
L90 (dB(A)) 46.6  
Ldn (dB(A)) 56.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

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Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : HDPE#3

Lot ID: 21148960

Date Received : Feb 24, 2022

Date Reported : Mar 02, 2022

Report Number: 2245471-1

Page 1 of 1

Sample Number 21148960-1  
Parameter Noise (Leq 12 hrs.)  
Location หน่วยกลั่น/Pump  
Measurement Date Feb 23, 2022  
Measurement by Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:25 AM - 09:25 AM	78.2	83.7	77.2
09:25 AM - 10:25 AM	77.8	82.7	76.8
10:25 AM - 11:25 AM	78.0	92.8	76.6
11:25 AM - 12:25 PM	77.4	82.0	76.5
12:25 PM - 01:25 PM	77.6	84.4	76.6
01:25 PM - 02:25 PM	77.6	82.2	76.7
02:25 PM - 03:25 PM	77.6	82.4	76.6
03:25 PM - 04:25 PM	78.0	89.7	76.9
04:25 PM - 05:25 PM	78.3	88.5	77.5
05:25 PM - 06:25 PM	78.2	83.0	77.4
06:25 PM - 07:25 PM	77.8	84.6	76.8
07:25 PM - 08:25 PM	78.7	88.9	77.9
Leq Average 12 hrs. (dB(A))	77.9		
Lmax (dB(A))		92.8	
Standard (dB(A))	87	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

Technical Management

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## Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : HDPE#3

Lot ID: 21148960

Date Received : Feb 24, 2022

Date Reported : Mar 02, 2022

Report Number: 2245472-1

Page 1 of 1

Sample Number 21148960-2  
Parameter Noise (Leq 12 hrs.)  
Location Pelletizer  
Measurement Date Feb 23, 2022  
Measurement by Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:30 AM - 09:30 AM	81.4	89.8	80.8
09:30 AM - 10:30 AM	80.9	83.1	80.4
10:25 AM - 11:25 AM	81.5	83.5	81.1
11:25 AM - 12:25 PM	81.5	83.6	81.0
12:25 PM - 01:25 PM	81.3	83.3	80.6
01:25 PM - 02:25 PM	80.7	82.7	80.3
02:25 PM - 03:25 PM	80.7	82.3	80.3
03:25 PM - 04:25 PM	80.6	82.3	80.2
04:25 PM - 05:25 PM	80.8	82.4	80.4
05:25 PM - 06:25 PM	80.7	82.7	80.0
06:25 PM - 07:25 PM	81.1	82.7	80.7
07:25 PM - 08:25 PM	80.8	83.0	80.3

Leq Average 12 hrs. (dB(A))

81.0

Lmax (dB(A))

89.8

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O** :

**Project Name** : Environmental Monitoring

**Project Location** : HDPE#3

**Lot ID: 21148960**

Date Received : Feb 24, 2022

Date Reported : Mar 02, 2022

Report Number : 2245473-1

Page 1 of 1

**Sample Number** : 21148960-3  
**Parameter** : Noise (Leq 12 hrs.)  
**Location** : Compressor  
**Measurement Date** : Feb 23, 2022  
**Measurement by** : Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:28 AM - 09:28 AM	81.4	86.2	78.3
09:28 AM - 10:28 AM	81.8	83.5	78.1
10:28 AM - 11:28 AM	79.4	83.0	78.3
11:28 AM - 12:28 PM	78.5	79.2	78.1
12:28 PM - 01:28 PM	78.5	80.4	78.1
01:28 PM - 02:28 PM	79.3	82.9	78.0
02:28 PM - 03:28 PM	80.5	83.0	78.1
03:28 PM - 04:28 PM	81.6	83.2	78.6
04:28 PM - 05:28 PM	81.5	83.2	78.7
05:28 PM - 06:28 PM	81.4	83.3	78.7
06:28 PM - 07:28 PM	80.1	80.8	79.7
07:28 PM - 08:28 PM	81.0	82.6	78.0

Leq Average 12 hrs. (dB(A))

80.6

Lmax (dB(A))

86.2

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Supot Salamteh  
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P/O :

Project Name : Environmental Monitoring

Project Location : HDPE#3

Lot ID: 21148960

Date Received : Feb 24, 2022

Date Reported : Mar 02, 2022

Report Number: 2245474-1

Page 1 of 1

Sample Number 21148960-4  
Parameter Noise (Leq 12 hrs.)  
Location Reactor  
Measurement Date Feb 23, 2022  
Measurement by Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:35 AM - 09:35 AM	78.1	79.7	77.8
09:35 AM - 10:35 AM	77.9	79.3	77.7
10:35 AM - 11:35 AM	77.8	79.1	77.6
11:35 AM - 12:35 PM	77.7	79.1	77.5
12:35 PM - 01:35 PM	77.7	79.0	77.6
01:35 PM - 02:35 PM	77.7	79.3	77.5
02:35 PM - 03:35 PM	78.2	79.7	77.9
03:35 PM - 04:35 PM	78.2	79.5	78.0
04:35 PM - 05:35 PM	78.1	79.3	77.9
05:35 PM - 06:35 PM	78.1	85.4	77.9
06:35 PM - 07:35 PM	78.0	79.4	77.8
07:35 PM - 08:35 PM	78.0	79.3	77.9
Leq Average 12 hrs. (dB(A))	78.0		
Lmax (dB(A))		85.4	
Standard (dB(A))	87	140	

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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P/O :

Project Name : Environmental Monitoring

Project Location : HDPE#3

Lot ID: 21148960

Date Received : Feb 24, 2022

Date Reported : Mar 02, 2022

Report Number: 2245475-1

Page 1 of 1

Sample Number 21148960-5  
Parameter Noise (Leq 12 hrs.)  
Location Spray Cooler  
Measurement Date Feb 23, 2022  
Measurement by Nantawat Sarin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:06 AM - 09:06 AM	78.3	79.5	78.1
09:06 AM - 10:06 AM	78.1	78.8	77.9
10:06 AM - 11:06 AM	77.9	79.0	77.8
11:06 AM - 12:06 PM	78.0	87.6	77.7
12:06 PM - 01:06 PM	77.7	78.4	77.6
01:06 PM - 02:06 PM	77.7	78.7	77.5
02:06 PM - 03:06 PM	77.7	78.6	77.5
03:06 PM - 04:06 PM	77.9	78.8	77.6
04:06 PM - 05:06 PM	78.2	79.1	78.1
05:06 PM - 06:06 PM	78.4	79.1	78.2
06:06 PM - 07:06 PM	77.7	78.6	77.4
07:06 PM - 08:06 PM	78.6	79.3	78.4

Leq Average 12 hrs. (dB(A))

78.0

Lmax (dB(A))

87.6

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2250228

Date Received : Jun 02, 2022

Date Reported : Jun 02, 2022

Report Number: 2331982-1

Page 1 of 1

Sample Number 2250228-1  
Parameter Noise (Leq 12 hrs.)  
Location หน่วยกลั่น/Pump  
Measurement Date May 12, 2022  
Measurement by Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:01 AM - 09:01 AM	76.0	79.2	75.8
09:01 AM - 10:01 AM	75.9	77.4	75.7
10:01 AM - 11:01 AM	75.8	80.3	75.7
11:01 AM - 12:01 PM	75.8	78.2	75.6
12:01 PM - 01:01 PM	75.9	78.9	75.7
01:01 PM - 02:01 PM	75.8	80.6	75.7
02:01 PM - 03:01 PM	75.9	79.7	75.8
03:01 PM - 04:01 PM	76.0	79.2	75.8
04:01 PM - 05:01 PM	76.0	79.3	75.8
05:01 PM - 06:01 PM	75.9	78.4	75.8
06:01 PM - 07:01 PM	75.9	80.7	75.8
07:01 PM - 08:01 PM	76.0	79.8	75.9
Leq Average 12 hrs. (dB(A))	75.9		
Lmax (dB(A))		80.7	
Standard (dB(A))	87	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

Technical Management

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## Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2250228

Date Received : Jun 02, 2022

Date Reported : Jun 02, 2022

Report Number: 2331983-1

Page 1 of 1

Sample Number 2250228-2  
Parameter Noise (Leq 12 hrs.)  
Location Pelletizer  
Measurement Date May 12, 2022  
Measurement by Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:12 AM - 09:12 AM	80.8	93.2	80.1
09:12 AM - 10:12 AM	80.5	82.1	80.1
10:12 AM - 11:12 AM	80.1	82.1	79.8
11:12 AM - 12:12 PM	80.6	82.1	80.2
12:12 PM - 01:12 PM	80.4	82.0	80.0
01:12 PM - 02:12 PM	80.3	81.8	79.9
02:12 PM - 03:12 PM	80.5	81.9	80.0
03:12 PM - 04:12 PM	80.3	81.7	79.9
04:12 PM - 05:12 PM	80.4	81.9	80.1
05:12 PM - 06:12 PM	80.2	82.0	79.9
06:12 PM - 07:12 PM	80.6	82.0	80.1
07:12 PM - 08:12 PM	80.4	81.8	80.0

Leq Average 12 hrs. (dB(A))

80.4

Lmax (dB(A))

93.2

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2250228

Date Received : Jun 02, 2022

Date Reported : Jun 02, 2022

Report Number: 2331984-1

Page 1 of 1

Sample Number 2250228-3  
Parameter Noise (Leq 12 hrs.)  
Location Compressor  
Measurement Date May 12, 2022  
Measurement by Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:15 AM - 09:15 AM	81.4	93.1	78.1
09:15 AM - 10:15 AM	80.7	82.3	77.4
10:15 AM - 11:15 AM	80.4	83.9	77.0
11:15 AM - 12:15 PM	77.4	87.3	76.5
12:15 PM - 01:15 PM	80.9	84.3	77.3
01:15 PM - 02:15 PM	80.5	82.5	78.2
02:15 PM - 03:15 PM	80.0	82.5	78.4
03:15 PM - 04:15 PM	81.3	82.6	78.6
04:15 PM - 05:15 PM	80.0	82.6	78.4
05:15 PM - 06:15 PM	79.4	82.1	78.4
06:15 PM - 07:15 PM	78.6	79.6	78.1
07:15 PM - 08:15 PM	77.9	87.8	77.0
Leq Average 12 hrs. (dB(A))	80.0		
Lmax (dB(A))		93.1	
Standard (dB(A))	87	140	

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2250228

Date Received : Jun 02, 2022

Date Reported : Jun 02, 2022

Report Number: 2331985-1

Page 1 of 1

Sample Number 2250228-4  
Parameter Noise (Leq 12 hrs.)  
Location Reactor  
Measurement Date May 12, 2022  
Measurement by Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:25 AM - 09:25 AM	79.9	83.8	79.7
09:25 AM - 10:25 AM	79.8	81.4	79.5
10:25 AM - 11:25 AM	79.7	81.3	79.5
11:25 AM - 12:25 PM	79.7	81.5	79.5
12:25 PM - 01:25 PM	79.8	81.4	79.7
01:25 PM - 02:25 PM	79.8	81.3	79.7
02:25 PM - 03:25 PM	79.8	81.4	79.7
03:25 PM - 04:25 PM	79.9	81.3	79.7
04:25 PM - 05:25 PM	79.9	81.4	79.8
05:25 PM - 06:25 PM	79.9	81.3	79.8
06:25 PM - 07:25 PM	79.7	81.1	79.5
07:25 PM - 08:25 PM	79.7	81.2	79.6

Leq Average 12 hrs. (dB(A))

79.8

Lmax (dB(A))

83.8

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location :

Lot ID: 2250228

Date Received : Jun 02, 2022

Date Reported : Jun 02, 2022

Report Number: 2331986-1

Page 1 of 1

Sample Number 2250228-5  
Parameter Noise (Leq 12 hrs.)  
Location Spray Cooler  
Measurement Date May 12, 2022  
Measurement by Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:09 AM - 09:09 AM	80.8	81.4	80.6
09:09 AM - 10:09 AM	80.5	81.3	80.3
10:09 AM - 11:09 AM	80.2	81.0	80.0
11:09 AM - 12:09 PM	80.2	81.0	80.0
12:09 PM - 01:09 PM	80.5	81.4	80.3
01:09 PM - 02:09 PM	80.7	81.4	80.5
02:09 PM - 03:09 PM	80.9	81.6	80.7
03:09 PM - 04:09 PM	81.0	81.6	80.8
04:09 PM - 05:09 PM	80.9	81.6	80.8
05:09 PM - 06:09 PM	81.0	81.8	80.8
06:09 PM - 07:09 PM	81.1	81.8	80.9
07:09 PM - 08:09 PM	81.0	81.7	80.8
Leq Average 12 hrs. (dB(A))	80.7		
Lmax (dB(A))		81.8	
Standard (dB(A))	87	140	

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE#2

**Lot ID: 21148888**

Date Received : Feb 21, 2022

Date Reported : Feb 23, 2022

Report Number : 2183371-1

Page 1 of 5

**Sample Number** 21148888-1  
**Sampled Date** Feb 18, 2022  
**Sample Description** Noise Dose  
**Location** HDPE 2,3 Section 5700  
**Personal Sampling** คุณจิรวัฒน์ จิรธรรมโรจน์  
**Date Analysis Commenced** Feb 22, 2022

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	%	-	-	74.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	69.2	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	81.7	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	83.4	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

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

**Sampled By :** Natthapon Jiengwareewong

Remark :

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

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : HDPE#2

Lot ID: 21148888

Date Received : Feb 21, 2022

Date Reported : Feb 23, 2022

Report Number : 2183371-1

Page 2 of 5

Sample Number 21148888-2  
Sampled Date Feb 18, 2022  
Sample Description Noise Dose  
Location HDPE 2,3 Section 5400  
Personal Sampling คุณสง่า วรชิตพา  
Date Analysis Commenced Feb 22, 2022

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	%	-	-	4.5	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	4.2	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	69.5	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	71.2	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

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

Sampled By : Natthapon Jiengwareewong

Remark :

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Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE#2

**Lot ID: 21148888**

Date Received : Feb 21, 2022

Date Reported : Feb 23, 2022

Report Number : 2183371-1

Page 3 of 5

**Sample Number** 21148888-3  
**Sampled Date** Feb 18, 2022  
**Sample Description** Noise Dose  
**Location** HDPE 2,3 Section 5200  
**Personal Sampling** จุลวิธี  
**Date Analysis Commenced** Feb 22, 2022

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	%	-	-	79.4	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	74.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	82.0	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	83.7	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

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

**Sampled By :** Natthapon Jiengwareewong

Remark :

- LOD : Limit of Detection
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Approved by

*Wichan Choonharat*

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2244380**

Date Received : Apr 21, 2022

Date Reported : Apr 25, 2022

Report Number : 2283546-1

Page 1 of 1

**Sample Number** 2244380-1  
**Sampled Date** Apr 19, 2022  
**Sample Description** Noise Dose  
**Location** HDPE 2, 3 Section 3400  
**Personal Sampling** คุณนิวัฒน์ ดัชกุลจิตร  
**Date Analysis Commenced** Apr 25, 2022

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	%	-	-	1.2	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	1.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	63.8	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	65.5	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

**Guideline :**

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

**Sampled By :** Supot Salamteh

Remark :

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

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE#2

**Lot ID: 21148888**

Date Received : Feb 21, 2022

Date Reported : Feb 23, 2022

Report Number : 2183371-1

Page 5 of 5

**Sample Number** 21148888-5  
**Sampled Date** Feb 18, 2022  
**Sample Description** Noise Dose  
**Location** HDPE 2,3 Section 3200  
**Personal Sampling** คุณมานะศักดิ์ พรหมจันทร์  
**Date Analysis Commenced** Feb 22, 2022

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	%	-	-	74.1	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	70.8	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	81.7	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	83.5	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

**Guideline :**

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

**Sampled By :** Natthapon Jiengwareewong

Remark :

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

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250099**

Date Received : May 17, 2022

Date Reported : May 20, 2022

Report Number : 2295082-1

Page 1 of 5

**Sample Number** 2250099-1  
**Sampled Date** May 12, 2022  
**Sample Description** Noise Dose  
**Location** HDPE 2,3 Section 5700  
**Personal Sampling** คุณณัฏฐา มุญนั้  
**Date Analysis Commenced** May 19, 2022

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	%	-	-	7.6		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	7.2		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	71.8	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	73.6	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

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

**Sampled By :** Norranon Tathongkham

Remark :

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

Approved by

*Wichan Choonharat*

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250099**

Date Received : May 17, 2022

Date Reported : May 20, 2022

Report Number : 2295082-1

Page 2 of 5

**Sample Number** 2250099-2  
**Sampled Date** May 12, 2022  
**Sample Description** Noise Dose  
**Location** HDPE 2,3 Section 5400  
**Personal Sampling** คุณธนวัฒน์ อาทรรธรรมสาร  
**Date Analysis Commenced** May 19, 2022

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	%	-	-	15.1		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	14.4		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	74.8	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	76.6	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

**Guideline :**

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

**Sampled By :** Norranon Tathongkham

Remark :

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

Approved by

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250099**

Date Received : May 17, 2022

Date Reported : May 20, 2022

Report Number : 2295082-1

Page 3 of 5

**Sample Number** 2250099-3  
**Sampled Date** May 12, 2022  
**Sample Description** Noise Dose  
**Location** HDPE 2,3 Section 5200  
**Personal Sampling** คุณธนาพร ชื่นแตร  
**Date Analysis Commenced** May 19, 2022

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	%	-	-	12.0		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	11.2		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	73.8	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	75.5	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

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

**Sampled By :** Norranon Tathongkham

Remark :

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

Approved by

*Wichan Choonharat*

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250099**

Date Received : May 17, 2022

Date Reported : May 20, 2022

Report Number : 2295082-1

Page 4 of 5

**Sample Number** 2250099-4  
**Sampled Date** May 12, 2022  
**Sample Description** Noise Dose  
**Location** HDPE 2,3 Section 3400  
**Personal Sampling** คุณสว่าง วรชิตนา  
**Date Analysis Commenced** May 19, 2022

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	%	-	-	10.5		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	10.2		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	73.2	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	75.1	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

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

**Sampled By :** Norranon Tathongkham

Remark :

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

Approved by

*Wichan Choonharat*

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250099**

Date Received : May 17, 2022

Date Reported : May 20, 2022

Report Number : 2295082-1

Page 5 of 5

**Sample Number** 2250099-5  
**Sampled Date** May 12, 2022  
**Sample Description** Noise Dose  
**Location** HDPE 2,3 Section 3200  
**Personal Sampling** คุณนิติพงษ์ จารุไพโรจน์  
**Date Analysis Commenced** May 19, 2022

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	%	-	-	25.1		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	24.6		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	77.0	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	78.9	85	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok

### Guideline :

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

**Sampled By :** Norranon Tathongkham

Remark :

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

Approved by

*Wichan Choonharat*

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE#3

**Lot ID: 21148956**

Date Received : Feb 24, 2022

Date Reported : Mar 08, 2022

Report Number : 2183670-1

Page 1 of 4

**Sample Number** 21148956-1  
**Sampled Date** Feb 23, 2022  
**Sample Description** Air Quality  
**Location** บังเกอร์ Hexane Recovery Unit  
**Date Analysis Commenced** Feb 25, 2022  
**Condition of Sample** Drawn into one sorbent tube, refrigerated  
**Barometric Pressure** 757 mmHg  
**Atmospheric Temperature** 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
n-Hexane	09:00 AM - 11:00 AM	ppm	-	0.03	0.11	500	NIOSH (1994), 1500	MOL	Bangkok

**Guideline :**

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

**Sampled By :** Nantawat Sarin

Remark :

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

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Approved by

Sararat Mongkonjirawut  
Scientist (4)



## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE#3

**Lot ID: 21148956**

Date Received : Feb 24, 2022

Date Reported : Mar 08, 2022

Report Number : 2183670-1

Page 2 of 4

**Sample Number** 21148956-2  
**Sampled Date** Feb 23, 2022  
**Sample Description** Air Quality  
**Location** หน่วยกลั่นแยกเฮกเซนและนิวทรีน-1  
**Date Analysis Commenced** Feb 25, 2022  
**Condition of Sample** Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated  
**Barometric Pressure** 757 mmHg  
**Atmospheric Temperature** 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
1-Butene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
n-Hexane	09:00 AM - 11:00 AM	ppm	-	0.03	0.22	500	NIOSH (1994), 1500	MOL	Bangkok

**Guideline :**

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

**Sampled By :** Nantawat Sarin

Remark :

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

Approved by

Sararat Mongkonjirawut  
Scientist (4)

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE#3

**Lot ID: 21148956**

Date Received : Feb 24, 2022

Date Reported : Mar 08, 2022

Report Number : 2183670-1

Page 3 of 4

**Sample Number** 21148956-3  
**Sampled Date** Feb 23, 2022  
**Sample Description** Air Quality  
**Location** บังเกอร์ Preheater  
**Date Analysis Commenced** Feb 25, 2022  
**Condition of Sample** Drawn into two 10-L air sampling bags  
**Barometric Pressure** 757 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>									
1-Butene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok

**Guideline :**

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2020).

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

**Sampled By :** Nantawat Sarin

Remark :

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Approved by

Sararat Mongkonjirawut  
Scientist (4)





## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE#3

**Lot ID: 21148956**

Date Received : Feb 24, 2022

Date Reported : Mar 08, 2022

Report Number : 2183670-1

Page 4 of 4

**Sample Number** 21148956-4  
**Sampled Date** Feb 23, 2022  
**Sample Description** Air Quality  
**Location** บริเวณแผนกบรรจุเม็ดพลาสติก (Bagging)  
**Date Analysis Commenced** Feb 26, 2022  
**Condition of Sample** Drawn into one filter paper placed in plastic cassette  
**Barometric Pressure** 757 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>									
Total Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), OSHA 0500		Rayong

**Guideline :**

OSHA : Occupational Safety and Health Administration

**Sampled By :** Nantawat Sarin

Remark :

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

Approved by

Sararat Mongkonjirawut  
Scientist (4)

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250219**

Date Received : May 17, 2022

Date Reported : May 27, 2022

Report Number : 2295454-1

Page 1 of 4

**Sample Number** 2250219-1  
**Sampled Date** May 12, 2022  
**Sample Description** Air Quality  
**Location** บังเกอร์ Hexane Recovery Unit  
**Date Analysis Commenced** May 18, 2022  
**Condition of Sample** Drawn into one sorbent tube, refrigerated  
**Barometric Pressure** 756 mmHg  
**Atmospheric Temperature** 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
n-Hexane	10:00 AM - 12:00 PM	ppm	-	0.03	0.14	500	NIOSH (1994), 1500	MOL	Bangkok

**Guideline :**

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

**Sampled By :** Apichart Wilars

Remark :

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250219**

Date Received : May 17, 2022

Date Reported : May 27, 2022

Report Number : 2295454-1

Page 2 of 4

<b>Sample Number</b>	2250219-2
<b>Sampled Date</b>	May 12, 2022
<b>Sample Description</b>	Air Quality
<b>Location</b>	หน่วยกักกันแยกเฮกเซนและนิวทรีน-1
<b>Date Analysis Commenced</b>	May 18, 2022
<b>Condition of Sample</b>	Drawn into one 10-L air sampling bag and one sorbent tube, refrigerated
<b>Barometric Pressure</b>	756 mmHg
<b>Atmospheric Temperature</b>	31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
1-Butene	10:00 AM - 12:00 PM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
n-Hexane	10:00 AM - 12:00 PM	ppm	-	0.03	0.09	500	NIOSH (1994), 1500	MOL	Bangkok

**Guideline :**

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

**Sampled By :** Apichart Wilars

Remark :

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250219**

Date Received : May 17, 2022

Date Reported : May 27, 2022

Report Number : 2295454-1

Page 3 of 4

**Sample Number** 2250219-3  
**Sampled Date** May 12, 2022  
**Sample Description** Air Quality  
**Location** บังเกอร์ Preheater  
**Date Analysis Commenced** May 18, 2022  
**Condition of Sample** Drawn into two 10-L air sampling bags  
**Barometric Pressure** 756 mmHg  
**Atmospheric Temperature** 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
1-Butene	10:00 AM - 12:00 PM	ppm	-	1.0	<1.0	250	Based on ASTM, D2712-18	MOL	Bangkok
Ethylene	10:00 AM - 12:00 PM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok

**Guideline :**

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2020).

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

**Sampled By :** Apichart Wilars

**Remark :**

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250219**

Date Received : May 17, 2022

Date Reported : May 27, 2022

Report Number : 2295454-1

Page 4 of 4

**Sample Number** 2250219-4  
**Sampled Date** May 12, 2022  
**Sample Description** Air Quality  
**Location** บริเวณแผนกบรรจุเม็ดพลาสติก (Bagging)  
**Date Analysis Commenced** May 17, 2022  
**Condition of Sample** Drawn into one filter paper placed in plastic cassette  
**Barometric Pressure** 756 mmHg  
**Atmospheric Temperature** 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Total Dust	10:00 AM - 12:00 PM	mg/m3	-	0.15	<0.15	15	Based on NIOSH (1994), OSHA 0500		Rayong

**Guideline :**

OSHA : Occupational Safety and Health Administration

**Sampled By :** Apichart Wilars

Remark :

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand  
21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE#3

**Lot ID: 21148959**

Date Received : Feb 24, 2022

Date Reported : Feb 28, 2022

Report Number: 2183690-1

Page 1 of 2

**Sample Number** 21148959-1  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Feb 23, 2022  
**Measurement by** Norranon Tathongkham  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Dryer	120	28.9	27.0	33.2	33.0
Average (WBGT)		28.9			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

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. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

**Technical Management**

Supot Salamteh  
Section Head

**Approved by**

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand  
21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** HDPE#3

**Lot ID: 21148959**

Date Received : Feb 24, 2022

Date Reported : Feb 28, 2022

Report Number: 2183690-1

Page 2 of 2

**Sample Number** 21148959-2  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Feb 23, 2022  
**Measurement by** Norranon Tathongkham  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Pelletizer	120	29.5	27.2	34.7	34.5
Average (WBGT)		29.5			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

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. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

**Technical Management**

Supot Salamteh  
Section Head

**Approved by**

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand  
21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250223**

Date Received : May 17, 2022

Date Reported : May 20, 2022

Report Number: 2295458-1

Page 1 of 2

**Sample Number** 2250223-1  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** May 12, 2022  
**Measurement by** Thitipong Buadaeng  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Dryer	120	29.0	27.2	33.3	33.1
Average (WBGT)		29.0			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

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. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

**Technical Management**

Supot Salamteh  
Section Head

**Approved by**

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

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271, Sukhumvit Road, Tambol Map Ta Phut, Amphur Muang, Rayong Thailand  
21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :**

**Lot ID: 2250223**

Date Received : May 17, 2022

Date Reported : May 20, 2022

Report Number: 2295458-1

Page 2 of 2

**Sample Number** 2250223-2  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** May 12, 2022  
**Measurement by** Thitipong Buadaeng  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Pelletizer	120	29.1	27.3	33.4	33.0
Average (WBGT)		29.1			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

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. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

**Technical Management**

Supot Salamteh  
Section Head

**Approved by**

Wichan Choonharat  
Assistant Manager

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