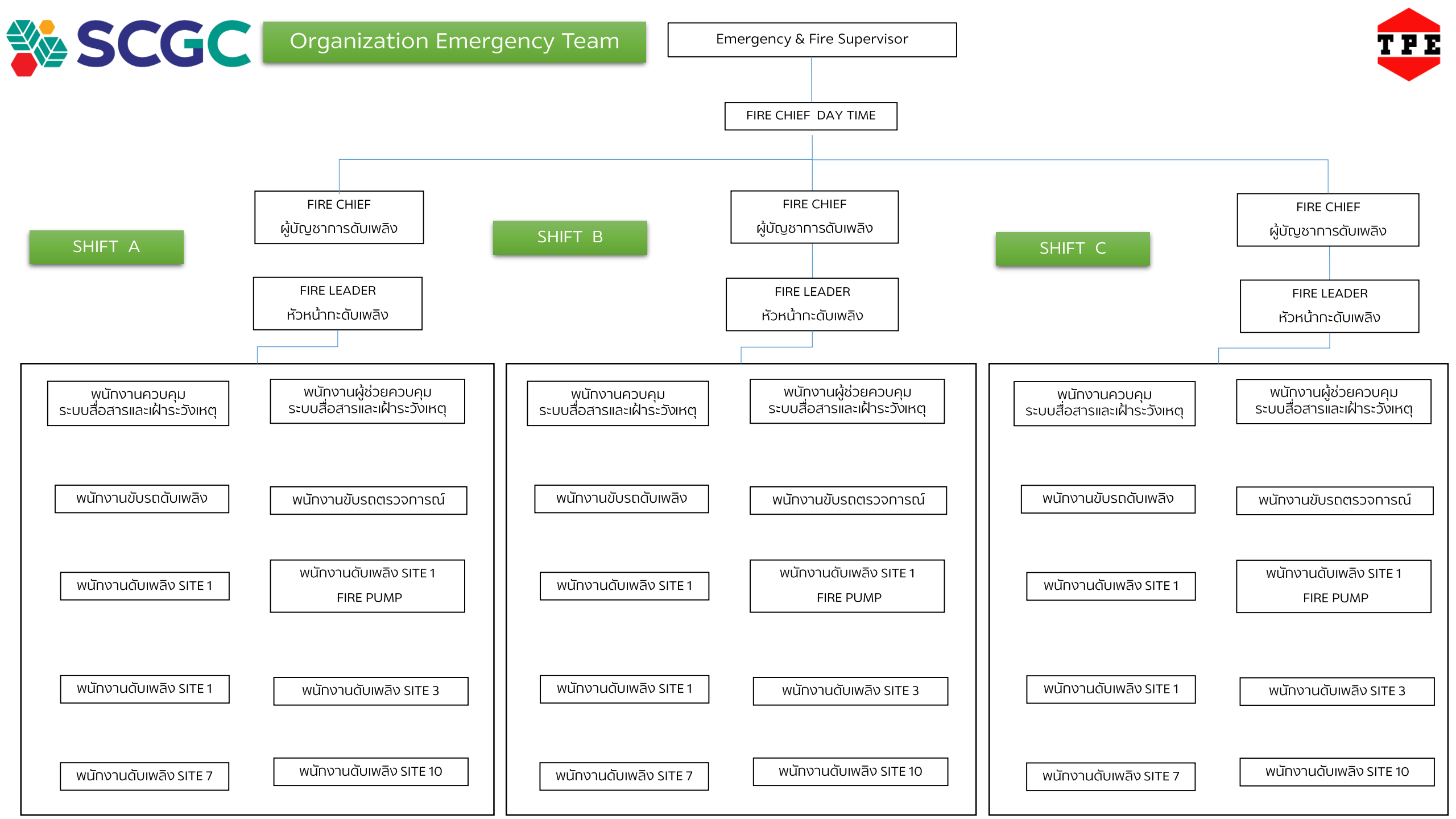


ภาคผนวก ข-44

ผังหน่วยงานที่รับผิดชอบของบริษัทฯ



ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

Page 1 of 21

Sample Number 2250317-1
Sampled Date May 06, 2022
Sample Description Air Quality
Location อาคารสำนักงานของกลุ่มโรงงาน TPE (Site # 1)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	06/05/22 - 07/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	06/05/22 - 07/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

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.
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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-2
Sampled Date May 07, 2022
Sample Description Air Quality
Location อาคารสำนักงานของกลุ่มโรงงาน TPE (Site # 1)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	07/05/22 - 08/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	07/05/22 - 08/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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Saranya Chalermthamrong
Scientist (4)



Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-3
Sampled Date May 08, 2022
Sample Description Air Quality
Location อาคารสำนักงานของกลุ่มโรงงาน TPE (Site # 1)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	08/05/22 - 09/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	08/05/22 - 09/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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Saranya Chalermthamrong
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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-4
Sampled Date May 09, 2022
Sample Description Air Quality
Location อาคารสำนักงานของกลุ่มโรงงาน TPE (Site # 1)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	09/05/22 - 10/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	09/05/22 - 10/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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Saranya Chalermthamrong
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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-5
Sampled Date May 10, 2022
Sample Description Air Quality
Location อาคารสำนักงานของกลุ่มโรงงาน TPE (Site # 1)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	10/05/22 - 11/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	10/05/22 - 11/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-6
Sampled Date May 11, 2022
Sample Description Air Quality
Location อาคารสำนักงานของกลุ่มโรงงาน TPE (Site # 1)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	11/05/22 - 12/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	11/05/22 - 12/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-7
Sampled Date May 12, 2022
Sample Description Air Quality
Location อาคารสำนักงานของกลุ่มโรงงาน TPE (Site # 1)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	12/05/22 - 13/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	12/05/22 - 13/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

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Saranya Chalermthamrong
Scientist (4)

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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-8
Sampled Date May 06, 2022
Sample Description Air Quality
Location โรงเรียนบ้านนาบตาพุด (โศภณราษฎร์บูรณะ)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	06/05/22 - 07/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	06/05/22 - 07/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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Saranya Chalermthamrong
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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-9
Sampled Date May 07, 2022
Sample Description Air Quality
Location โรงเรียนบ้านมาบตาพุด (โศภณราษฎร์บูรณะ)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	07/05/22 - 08/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	07/05/22 - 08/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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Saranya Chalermthamrong
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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-10
Sampled Date May 08, 2022
Sample Description Air Quality
Location โรงเรียนบ้านนาบตาพุด (โศภณราษฎร์บูรณะ)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	08/05/22 - 09/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	08/05/22 - 09/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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Saranya C.

Saranya Chalermthamrong
Scientist (4)



Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-11
Sampled Date May 09, 2022
Sample Description Air Quality
Location โรงเรียนบ้านนาบตาพุด (โศภณราษฎร์บูรณะ)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	09/05/22 - 10/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	09/05/22 - 10/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

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Saranya C.

Saranya Chalermthamrong
Scientist (4)



Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-12
Sampled Date May 10, 2022
Sample Description Air Quality
Location โรงเรียนบ้านมาบตาพุด (โศภณราษฎร์บูรณะ)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	10/05/22 - 11/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	10/05/22 - 11/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

Approved by

Saranya C.

Saranya Chalermtamrong
Scientist (4)

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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-13
Sampled Date May 11, 2022
Sample Description Air Quality
Location โรงเรียนบ้านนาบตาพุด (โศภณราษฎร์บูรณะ)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	11/05/22 - 12/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	11/05/22 - 12/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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Scientist (4)



Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-14
Sampled Date May 12, 2022
Sample Description Air Quality
Location โรงเรียนบ้านนาบตาพุด (โศภณราษฎร์บูรณะ)
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	12/05/22 - 13/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	12/05/22 - 13/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-15
Sampled Date May 06, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	06/05/22 - 07/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	06/05/22 - 07/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
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Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

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Sample Number 2250317-16
Sampled Date May 07, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	07/05/22 - 08/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	07/05/22 - 08/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

Page 17 of 21

Sample Number 2250317-17
Sampled Date May 08, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	08/05/22 - 09/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	08/05/22 - 09/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

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Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

Page 18 of 21

Sample Number 2250317-18
Sampled Date May 09, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	09/05/22 - 10/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	09/05/22 - 10/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

Page 19 of 21

Sample Number 2250317-19
Sampled Date May 10, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	10/05/22 - 11/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	10/05/22 - 11/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

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Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)



Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

Page 20 of 21

Sample Number 2250317-20
Sampled Date May 11, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	11/05/22 - 12/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	11/05/22 - 12/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250317

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295751-1

Page 21 of 21

Sample Number 2250317-21
Sampled Date May 12, 2022
Sample Description Air Quality
Location โรงเรียนบ้านหนองแฟบ
Date Analysis Commenced May 20, 2022
Condition of Sample Drawn into one 25-L air sampling bag and two sorbent tubes, refrigerated
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Air Testing							
n-Hexane	12/05/22 - 13/05/22	ppm	-	0.10	<0.10	Based on NIOSH, 1500	Bangkok
Propylene	12/05/22 - 13/05/22	ppm	-	1.0	<1.0	Based on ASTM, D2712-18	Bangkok

Sampled By : Anurak Tongkhajonsakda

Remark :

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

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Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)



Analysis / Test Report

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

Lot ID : 2250249

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number : 2295572-1

P/O :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Page 1 of 2

Sample Number : 2250249-1 to 7
Parameter : Wind Speed / Wind Direction
Location : อาคารสำนักงานของกลุ่มโรงงาน TPE (Site 1)
Sampling Date : May 06 - May 13, 2022
Sampling by : Anurak Tongkhajonsakda

Time	May 06 - May 07, 2022			May 07 - May 08, 2022			May 08 - May 09, 2022			May 09 - May 10, 2022			May 10 - May 11, 2022			May 11 - May 12, 2022			May 12 - May 13, 2022		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
09:00 AM - 10:00 AM	0.6	157.0	SSE	2.0	35.0	NE	1.3	232.0	SW	1.9	82.0	E	1.0	257.0	WSW	2.0	347.0	NNW	1.3	84.0	E
10:00 AM - 11:00 AM	1.2	85.0	E	1.3	94.0	E	1.3	4.0	N	0.4	40.0	NE	1.2	179.0	S	1.4	17.0	NNE	1.2	100.0	E
11:00 AM - 12:00 PM	1.3	241.0	WSW	1.6	209.0	SSW	1.2	271.0	W	2.0	94.0	E	0.9	287.0	WNW	0.6	11.0	N	2.0	123.0	ESE
12:00 PM - 01:00 PM	2.0	137.0	SE	0.5	111.0	ESE	1.0	30.0	NNE	0.3	186.0	S	2.1	347.0	NNW	0.4	123.0	ESE	1.1	334.0	NNW
01:00 PM - 02:00 PM	1.4	194.0	SSW	0.9	146.0	SE	1.4	127.0	SE	2.1	176.0	S	4.0	335.0	NNW	0.2	-	-	0.8	173.0	S
02:00 PM - 03:00 PM	1.0	88.0	E	1.0	142.0	SE	2.0	165.0	SSE	1.0	222.0	SW	1.3	358.0	N	0.3	69.0	ENE	0.9	64.0	ENE
03:00 PM - 04:00 PM	1.3	162.0	SSE	1.2	145.0	SE	1.0	184.0	S	1.3	103.0	ESE	1.7	0.0	N	1.1	233.0	SW	1.0	27.0	NNE
04:00 PM - 05:00 PM	0.6	123.0	ESE	0.5	148.0	SSE	0.6	143.0	SE	0.5	238.0	WSW	0.6	8.0	N	1.8	181.0	S	1.4	36.0	NE
05:00 PM - 06:00 PM	0.8	189.0	S	1.1	215.0	SW	2.0	121.0	ESE	0.9	165.0	SSE	1.3	10.0	N	1.6	192.0	SSW	1.0	225.0	SW
06:00 PM - 07:00 PM	3.3	185.0	S	0.6	168.0	SSE	0.9	159.0	SSE	2.0	150.0	SSE	2.0	78.0	ENE	1.3	193.0	SSW	0.6	102.0	ESE
07:00 PM - 08:00 PM	1.3	163.0	SSE	0.7	67.0	ENE	0.3	164.0	SSE	1.1	145.0	SE	1.7	168.0	SSE	0.6	177.0	S	0.7	102.0	ESE
08:00 PM - 09:00 PM	0.4	219.0	SW	1.2	206.0	SSW	0.4	177.0	S	1.6	268.0	W	0.5	173.0	S	0.4	108.0	ESE	0.2	-	-
09:00 PM - 10:00 PM	1.0	120.0	ESE	1.3	70.0	ENE	1.0	69.0	ENE	0.3	133.0	SE	2.0	76.0	ENE	0.2	-	-	0.6	99.0	E
10:00 PM - 11:00 PM	1.2	180.0	S	0.6	69.0	ENE	0.5	68.0	ENE	0.5	249.0	WSW	0.4	13.0	NNE	0.6	110.0	ESE	0.3	98.0	E
11:00 PM - 12:00 AM	0.3	162.0	SSE	0.4	136.0	SE	0.6	67.0	ENE	0.7	174.0	S	1.0	17.0	NNE	0.2	-	-	0.2	-	-
12:00 AM - 01:00 AM	0.6	67.0	ENE	0.3	70.0	ENE	0.2	-	-	0.3	150.0	SSE	0.3	17.0	NNE	0.3	107.0	ESE	0.6	97.0	E
01:00 AM - 02:00 AM	0.4	195.0	SSW	0.2	-	-	0.3	68.0	ENE	0.2	-	-	0.6	17.0	NNE	0.4	110.0	ESE	0.4	106.0	ESE
02:00 AM - 03:00 AM	0.2	-	-	0.6	67.0	ENE	0.1	-	-	0.6	72.0	ENE	0.2	-	-	0.2	-	-	0.2	-	-
03:00 AM - 04:00 AM	0.3	196.0	SSW	0.4	68.0	ENE	0.4	67.0	ENE	0.4	73.0	ENE	0.6	27.0	NNE	0.6	108.0	ESE	0.4	107.0	ESE
04:00 AM - 05:00 AM	0.5	58.0	ENE	0.3	68.0	ENE	0.6	68.0	ENE	0.2	-	-	0.4	28.0	NNE	0.4	108.0	ESE	0.3	108.0	ESE
05:00 AM - 06:00 AM	1.0	60.0	ENE	0.2	-	-	0.5	68.0	ENE	0.6	73.0	ENE	0.6	27.0	NNE	0.3	108.0	ESE	0.2	-	-
06:00 AM - 07:00 AM	0.6	63.0	ENE	0.3	67.0	ENE	0.2	-	-	0.3	73.0	ENE	1.0	28.0	NNE	0.2	-	-	0.1	-	-
07:00 AM - 08:00 AM	1.9	11.0	N	1.3	237.0	WSW	1.2	192.0	SSW	0.7	92.0	E	0.4	14.0	NNE	1.7	53.0	NE	0.9	134.0	SE
08:00 AM - 09:00 AM	0.5	50.0	NE	2.0	264.0	W	1.5	253.0	WSW	1.1	187.0	S	0.3	357.0	N	1.5	57.0	ENE	1.0	132.0	SE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Monitoring

Project Location : TPE Site 1

Lot ID : 2250249

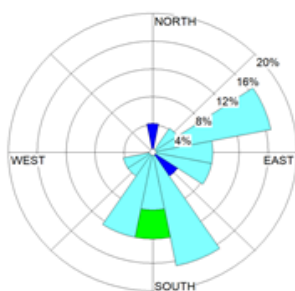
Date Received : May 19, 2022

Date Reported : May 27, 2022

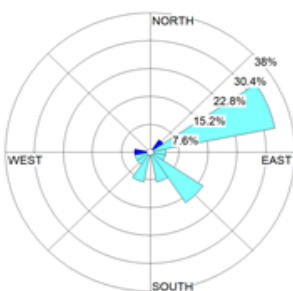
Report Number : 2295572-1

Page 2 of 2

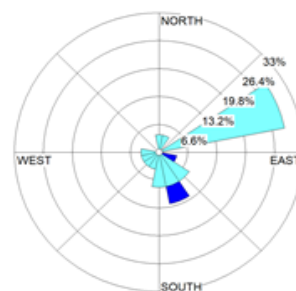
Wind Rose



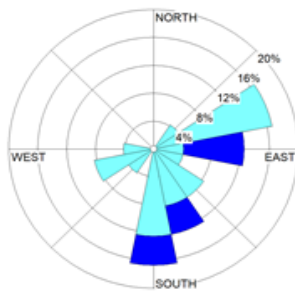
Date : May 06-07, 2022



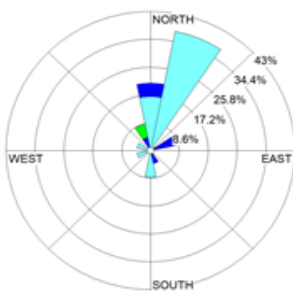
Date : May 07-08, 2022



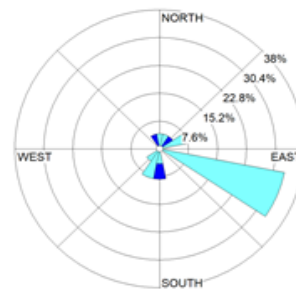
Date : May 08-09, 2022



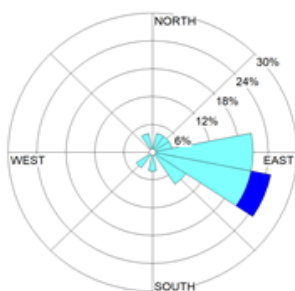
Date : May 09-10, 2022



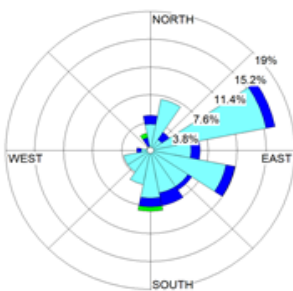
Date : May 10-11, 2022



Date : May 11-12, 2022



Date : May 12-13, 2022



Date : May 06-13, 2022

	WS(m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	1.19
	1.7-3.3	11.31
	0.3-1.7	76.19
	Calms	11.31

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Approved by

Sarayuth Jittrantont
Assistant General Manager

ภาคผนวก ค-2

คุณภาพน้ำทิ้ง



Analysis / Test Report

TESTING

No.0042

Lot ID: 21136260

Date Received : Jan 14, 2022

Date Reported : Jan 21, 2022

Report Number : 2152702-1

Client : Thai Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Monitoring

Project Location: PP1

Page 1 of 1

Sample Number	21136260-1
Sampled Date	Jan 14, 2022 9:45 AM
Sample Description	Wastewater
Location	PP1 : หลังผ่าน API Separator
Date Analysis Commenced	Jan 14, 2022
Condition of Sample	Contained in one amber glass bottle, three plastic 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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	5	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	41	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	15	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	13	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	32.3	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	732	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	16	≤50	APHA (2017), 2540 D	Rayong

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

Sampled By : Paramet Sattayakun , Panupong Manit

Remark :

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

Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location: PP1

Lot ID: 21136260

Date Received : Jan 14, 2022

Date Reported : Jan 21, 2022

Report Number : 2152702-2

Page 1 of 1

Sample Number	21136260-1						
Sampled Date	Jan 14, 2022 9:45 AM						
Sample Description	Wastewater						
Location	PP1 : หลังผ่าน API Separator						
Date Analysis Commenced	Jan 14, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic 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
Water Testing							
Chloride as Cl	mg/L	0.5	1	410	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.006	No Standard	Flow meter	Rayong
n-Hexane	ug/L	-	1.0	<1.0	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampled By : Paramet Sattayakun , Panupong Manit

Remark :

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

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Approved by

Narin Saiseng
Supervisor



Analysis / Test Report

TESTING

No.0042

Lot ID: 21149008

Date Received : Feb 04, 2022

Date Reported : Feb 11, 2022

Report Number : 2183873-1

Client : Thai Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Monitoring

Project Location: PP1

Page 1 of 1

Sample Number	21149008-1
Sampled Date	Feb 04, 2022 9:40 AM
Sample Description	Wastewater
Location	PP1 : หลังผ่าน API Separator
Date Analysis Commenced	Feb 04, 2022
Condition of Sample	Contained in one amber glass bottle, three plastic 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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	9	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	68	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	14	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	13	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	6.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	33.0	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	676	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤50	APHA (2017), 2540 D	Rayong

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

Sampled By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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

Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ จ-323-จ-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ จ-323-ค-9442

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 21149008

Date Received : Feb 04, 2022

Date Reported : Feb 12, 2022

Report Number : 2183873-2

Page 1 of 1

Sample Number	21149008-1						
Sampled Date	Feb 04, 2022 9:40 AM						
Sample Description	Wastewater						
Location	PP1 : หลังผ่าน API Separator						
Date Analysis Commenced	Feb 04, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic 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
Water Testing							
Chloride as Cl	mg/L	0.5	1	177	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.002	No Standard	Flow meter	Rayong
n-Hexane	mg/L	-	0.001	0.003	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampled By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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Approved by

Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Monitoring

Project Location: PP1

Lot ID: 2221684

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2235721-1

Page 1 of 1

Sample Number	2221684-1
Sampled Date	Mar 04, 2022 10:10 AM
Sample Description	Wastewater
Location	PP1 : หลังผ่าน API Separator
Date Analysis Commenced	Mar 04, 2022
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	3	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	38	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	14	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	14	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	33.3	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	672	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤50	APHA (2017), 2540 D	Rayong

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

Sampled By : Paramet Sattayakun , Panupong Manit

Remark :

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Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location: PP1

Lot ID: 2221684

Date Received : Mar 04, 2022

Date Reported : Mar 11, 2022

Report Number : 2235721-2

Page 1 of 1

Sample Number	2221684-1
Sampled Date	Mar 04, 2022 10:10 AM
Sample Description	Wastewater
Location	PP1 : หลังผ่าน API Separator
Date Analysis Commenced	Mar 04, 2022
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	171	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.0058	No Standard	Flow meter	Rayong
n-Hexane	mg/L	-	0.001	<0.001	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampled By : Paramet Sattayakun , Panupong Manit

Remark :

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Approved by

Narin Saiseng
Supervisor



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Monitoring

Project Location: PP1

Lot ID: 2231512

Date Received : Apr 07, 2022

Date Reported : Apr 19, 2022

Report Number : 2255166-1

Page 1 of 1

Sample Number	2231512-1
Sampled Date	Apr 07, 2022 2:40 PM
Sample Description	Wastewater
Location	PP1 : หลังผ่าน API Separator
Date Analysis Commenced	Apr 07, 2022
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	5	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	44	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	8.3	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	35.0	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	680	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤50	APHA (2017), 2540 D	Rayong

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

Sampled By : Paramet Sattayakun , Thanasoun Namakunna

Remark :

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Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location: PP1

Lot ID: 2231512

Date Received : Apr 07, 2022

Date Reported : Apr 19, 2022

Report Number : 2255166-2

Page 1 of 1

Sample Number	2231512-1
Sampled Date	Apr 07, 2022 2:40 PM
Sample Description	Wastewater
Location	PP1 : หลังผ่าน API Separator
Date Analysis Commenced	Apr 07, 2022
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	160	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.008	No Standard	Flow meter	Rayong
n-Hexane	mg/L	-	0.001	<0.001	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampled By : Paramet Sattayakun , Thanasoun Namakunna

Remark :

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Approved by

N. Banchongkit

Narumon Banchongkit
Supervisor

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2250329

Date Received : May 23, 2022

Date Reported : May 30, 2022

Report Number : 2295802-1

Client : Thai Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Monitoring

Project Location: PP1

Page 1 of 1

Sample Number	2250329-1
Sampled Date	May 23, 2022 2:40 PM
Sample Description	Wastewater
Location	PP1 : หลังผ่าน API Separator
Date Analysis Commenced	May 23, 2022
Condition of Sample	Contained in three plastic bottles, one amber glass bottle and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	36	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	12	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	11	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	33.4	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	280	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	APHA (2017), 2540 D	Rayong

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

Sampled By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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

Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2250329

Date Received : May 23, 2022

Date Reported : May 31, 2022

Report Number : 2295802-2

Page 1 of 1

Sample Number	2250329-1						
Sampled Date	May 23, 2022 2:40 PM						
Sample Description	Wastewater						
Location	PP1 : หลังผ่าน API Separator						
Date Analysis Commenced	May 23, 2022						
Condition of Sample	Contained in three plastic bottles, one amber glass bottle and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	180	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.006	No Standard	Flow meter	Rayong
n-Hexane	ug/L	-	1.0	<1.0	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampled By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2255643

Date Received : Jun 10, 2022

Date Reported : Jun 17, 2022

Report Number : 2307966-1

Client : Thai Polyethylene Co., Ltd.

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

P/O :

Project Name : Environmental Monitoring

Project Location: PP1

Page 1 of 1

Sample Number	2255643-1
Sampled Date	Jun 10, 2022 10:20 AM
Sample Description	Wastewater
Location	PP1 : หลังผ่าน API Separator
Date Analysis Commenced	Jun 10, 2022
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	18	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	8	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	7	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.1	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	33.5	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	304	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	APHA (2017), 2540 D	Rayong

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

Sampled By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Analysis / Test Report

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

P/O :

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2255643

Date Received : Jun 10, 2022

Date Reported : Jun 18, 2022

Report Number : 2307966-2

Page 1 of 1

Sample Number	2255643-1
Sampled Date	Jun 10, 2022 10:20 AM
Sample Description	Wastewater
Location	PP1 : หลังผ่าน API Separator
Date Analysis Commenced	Jun 10, 2022
Condition of Sample	Contained in two glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	75.0	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.006	No Standard	Flow meter	Rayong
n-Hexane	mg/L	-	0.001	<0.001	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampled By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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Approved by

Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: PP1_S1

Lot ID: 21136129
Date Received : Jan 14, 2022
Date Reported : Jan 21, 2022
Report Number : 2152520-1 C3

Page 1 of 1

Sample Number	21136129-1						
Sampling Date	Jan 14, 2022 10:24 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Jan 14, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and four glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	31	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	15	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	13	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	31.2	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	648	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Paramet Sattayakun , Panupong Manit

Remark :

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

Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: PP1_S1

Lot ID: 21136129

Date Received : Jan 14, 2022

Date Reported : Jan 21, 2022

Report Number : 2152520-2 C3

Page 1 of 1

Sample Number	21136129-1						
Sampling Date	Jan 14, 2022 10:24 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Jan 14, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and four glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	263	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
n-Hexane	mg/L	-	0.001	0.23	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampling By : Paramet Sattayakun , Panupong Mani

Remark :

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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location : PP1_S1

Lot ID: 21148866

Date Received : Feb 04, 2022
Date Reported : Feb 12, 2022
Report Number : 2183335-1 C3

Page 1 of 1

Sample Number	21148866-1						
Sampling Date	Feb 04, 2022 10:50 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Feb 04, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and four glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	37	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	15	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	12	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	31.3	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	560	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location : PP1_S1

Lot ID: 21148866

Date Received : Feb 04, 2022
Date Reported : Feb 12, 2022
Report Number : 2183335-2 C3

Page 1 of 1

Sample Number	21148866-1						
Sampling Date	Feb 04, 2022 10:50 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Feb 04, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and four glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	165	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
n-Hexane	mg/L	-	0.001	<0.001	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampling By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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Approved by

Nanthawadee Somboon
Specialist 1



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: PP1_S1

Lot ID: 2221262

Date Received : Mar 04, 2022
Date Reported : Mar 17, 2022
Report Number : 2234947-1 C3

Page 1 of 1

Sample Number	2221262-1						
Sampling Date	Mar 04, 2022 11:10 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Mar 04, 2022						
Condition of Sample	Contained in four glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	37	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	18	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	17	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	32.2	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	820	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Paramet Sattayakun , Panupong Mani

Remark :

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

Technical Management

N. Banchongkit

Narumon Banchongkit
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ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: PP1_S1

Lot ID: 2221262

Date Received : Mar 04, 2022

Date Reported : Mar 17, 2022

Report Number : 2234947-2 C3

Page 1 of 1

Sample Number	2221262-1						
Sampling Date	Mar 04, 2022 11:10 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Mar 04, 2022						
Condition of Sample	Contained in four glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	181	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
n-Hexane	mg/L	-	0.001	0.01	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampling By : Paramet Sattayakun , Panupong Mani

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Approved by

Narin Saiseng
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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: PP1_S1

Lot ID: 2230680

Date Received : Apr 01, 2022
Date Reported : May 03, 2022
Report Number : 2253752-1 C3

Page 1 of 1

Sample Number	2230680-1						
Sampling Date	Apr 01, 2022 10:40 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Apr 01, 2022						
Condition of Sample	Contained in four glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	3	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	30	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	17	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	17	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.3	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	29.9	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	580	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Paramet Sattayakun , Panupong Manit

Remark :

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Technical Management

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location: PP1_S1

Lot ID: 2230680

Date Received : Apr 01, 2022
Date Reported : May 03, 2022
Report Number : 2253752-2 C3

Page 1 of 1

Sample Number	2230680-1						
Sampling Date	Apr 01, 2022 10:40 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Apr 01, 2022						
Condition of Sample	Contained in four glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	133	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
n-Hexane	mg/L	-	0.001	0.009	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampling By : Paramet Sattayakun , Panupong Mani

Remark :

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Approved by

Siriluk P.

Siriluk Puenggang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location : PP1_S1

Lot ID: 2250004

Date Received : May 06, 2022
Date Reported : May 18, 2022
Report Number : 2294643-1 C3

Page 1 of 1

Sample Number	2250004-1						
Sampling Date	May 06, 2022 10:03 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	May 06, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and four glass vials. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	26	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	33	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	31	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	31.1	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	540	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Paramet Sattayakun , Thanasoun Namakunna

Remark :

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Technical Management

N. Banchongkit

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

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.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location : PP1_S1

Lot ID: 2250004

Date Received : May 06, 2022
Date Reported : May 18, 2022
Report Number : 2294643-2 C3

Page 1 of 1

Sample Number	2250004-1						
Sampling Date	May 06, 2022 10:03 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	May 06, 2022						
Condition of Sample	Contained in one amber glass bottle, three plastic bottles and four glass vials. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	46.8	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
n-Hexane	mg/L	-	0.001	0.01	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampling By : Paramet Sattayakun , Thanasoun Namakunna

Remark :

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Approved by

Narin Saiseng
Supervisor



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location : PP1_S1

Lot ID: 2253601

Date Received : Jun 10, 2022
Date Reported : Jun 18, 2022
Report Number : 2303173-1 C3

Page 1 of 1

Sample Number	2253601-1						
Sampling Date	Jun 10, 2022 11:35 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Jun 10, 2022						
Condition of Sample	Contained in four glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2	<2	≤20	APHA (2017), 5210 B	Rayong
COD	mg/L	1.5	5	22	≤120	APHA (2017), 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	7	≤300	APHA (2017), 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤300	APHA (2017), 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Rayong
pH at 25 degree C		-	-	7.3	5.5-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Temperature *	Degree C	-	-	33.6	≤40	Based on APHA (2017), 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	352	≤3000	APHA (2017), 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	16	≤50	APHA (2017), 2540 D	Rayong

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

Sampling By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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

N. Banchongkit

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

D. Changchon

Dej Changchon
Manager
ทะเบียนเลขที่ ว-225-ค-5283

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Analysis / Test Report

Client : Thai Polyethylene Co., Ltd.
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong
Thailand 21150
P/O : PMM-SCGCH-2019-343
Project Name : Environmental Monitoring
Project Location : PP1_S1

Lot ID: 2253601

Date Received : Jun 10, 2022
Date Reported : Jun 18, 2022
Report Number : 2303173-2 C3

Page 1 of 1

Sample Number	2253601-1						
Sampling Date	Jun 10, 2022 11:35 AM						
Sample Description	Wastewater						
Location	รางระบายน้ำรวม						
Date Analysis Commenced	Jun 10, 2022						
Condition of Sample	Contained in four glass vials, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Chloride as Cl	mg/L	0.5	1	100	No Standard	Based on APHA (2017), 4500-Cl (D)	Rayong
n-Hexane	mg/L	-	0.001	<0.001	No Standard	Based on US EPA, Method 5030B and 8260D	Bangkok

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

Sampling By : Wanlop Hunchainaow , Thanasoun Namakunna

Remark :

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

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Approved by

Nanthawadee Somboon
Specialist 1

ภาคผนวก ค-3

ระดับเสียงทั่วไป



Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321691-1C3

Page 1 of 1

Sample Number 2249985-1
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 06 - May 07, 2022
Measurement by Anurak Tongkhajonsakda
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	60.4	72.7	58.7
10:00 AM - 11:00 AM	60.8	81.0	59.5
11:00 AM - 12:00 PM	61.4	78.4	60.0
12:00 PM - 01:00 PM	65.5	70.3	62.8
01:00 PM - 02:00 PM	67.2	72.4	64.4
02:00 PM - 03:00 PM	67.9	75.8	64.9
03:00 PM - 04:00 PM	53.7	56.8	51.9
04:00 PM - 05:00 PM	60.6	80.3	53.2
05:00 PM - 06:00 PM	62.0	80.6	55.2
06:00 PM - 07:00 PM	60.1	77.8	53.6
07:00 PM - 08:00 PM	56.0	70.0	50.6
08:00 PM - 09:00 PM	56.1	70.4	50.8
09:00 PM - 10:00 PM	62.1	85.7	53.1
10:00 PM - 11:00 PM	61.8	84.6	51.2
11:00 PM - 12:00 AM	59.7	78.3	52.6
12:00 AM - 01:00 AM	60.4	80.2	52.2
01:00 AM - 02:00 AM	60.6	80.2	51.6
02:00 AM - 03:00 AM	65.5	96.6	52.7
03:00 AM - 04:00 AM	63.4	79.7	52.9
04:00 AM - 05:00 AM	55.8	69.0	50.4
05:00 AM - 06:00 AM	55.7	69.9	50.0
06:00 AM - 07:00 AM	54.9	75.9	49.4
07:00 AM - 08:00 AM	53.7	68.3	48.2
08:00 AM - 09:00 AM	58.4	79.1	49.0

Leq Average 24 hrs. (dB(A)) 61.9
Lmax (dB(A)) 96.6
L90 (dB(A)) 52.6
Ldn (dB(A)) 67.7
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

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321692-1C3

Page 1 of 1

Sample Number 2249985-2
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 07 - May 08, 2022
Measurement by Anurak Tongkhajonsakda
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.7	73.0	48.1
10:00 AM - 11:00 AM	53.1	66.8	49.6
11:00 AM - 12:00 PM	54.9	70.3	49.7
12:00 PM - 01:00 PM	54.9	65.5	49.5
01:00 PM - 02:00 PM	51.9	65.9	46.8
02:00 PM - 03:00 PM	53.2	64.0	48.5
03:00 PM - 04:00 PM	51.5	66.6	45.9
04:00 PM - 05:00 PM	52.3	71.7	46.1
05:00 PM - 06:00 PM	51.9	71.6	45.2
06:00 PM - 07:00 PM	50.7	67.7	45.0
07:00 PM - 08:00 PM	50.1	67.5	44.3
08:00 PM - 09:00 PM	49.6	62.3	44.2
09:00 PM - 10:00 PM	49.8	63.2	43.8
10:00 PM - 11:00 PM	48.2	59.4	44.0
11:00 PM - 12:00 AM	48.7	65.3	42.6
12:00 AM - 01:00 AM	47.6	65.2	42.9
01:00 AM - 02:00 AM	46.9	63.1	42.7
02:00 AM - 03:00 AM	48.4	62.0	43.2
03:00 AM - 04:00 AM	49.8	71.5	43.3
04:00 AM - 05:00 AM	48.1	63.9	43.2
05:00 AM - 06:00 AM	46.9	66.4	43.1
06:00 AM - 07:00 AM	60.1	84.5	51.7
07:00 AM - 08:00 AM	63.1	83.2	51.7
08:00 AM - 09:00 AM	52.4	69.5	46.1

Leq Average 24 hrs. (dB(A)) 54.0
Lmax (dB(A)) 84.5
L90 (dB(A)) 45.0
Ldn (dB(A)) 59.2
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

Suppt S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321693-1C3

Page 1 of 1

Sample Number 2249985-3
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 08 - May 09, 2022
Measurement by Anurak Tongkhajonsakda
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	59.1	80.3	46.9
10:00 AM - 11:00 AM	48.0	65.4	42.6
11:00 AM - 12:00 PM	46.5	58.7	42.9
12:00 PM - 01:00 PM	44.0	56.2	42.4
01:00 PM - 02:00 PM	44.1	53.8	42.2
02:00 PM - 03:00 PM	58.7	79.1	52.6
03:00 PM - 04:00 PM	63.4	83.0	53.8
04:00 PM - 05:00 PM	53.6	72.2	48.2
05:00 PM - 06:00 PM	60.1	78.9	50.9
06:00 PM - 07:00 PM	44.1	57.7	40.9
07:00 PM - 08:00 PM	46.2	65.4	41.5
08:00 PM - 09:00 PM	45.1	58.2	41.7
09:00 PM - 10:00 PM	43.9	55.4	40.9
10:00 PM - 11:00 PM	47.7	69.3	41.9
11:00 PM - 12:00 AM	47.6	64.1	43.2
12:00 AM - 01:00 AM	47.0	60.1	43.2
01:00 AM - 02:00 AM	47.8	65.8	43.3
02:00 AM - 03:00 AM	52.7	70.5	45.1
03:00 AM - 04:00 AM	51.7	68.3	44.9
04:00 AM - 05:00 AM	49.6	63.6	44.8
05:00 AM - 06:00 AM	50.8	65.3	44.5
06:00 AM - 07:00 AM	52.5	72.5	45.4
07:00 AM - 08:00 AM	51.3	63.9	46.8
08:00 AM - 09:00 AM	53.6	72.4	48.6

Leq Average 24 hrs. (dB(A)) 54.4
Lmax (dB(A)) 83.0
L90 (dB(A)) 43.3
Ldn (dB(A)) 58.0
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321694-1C3

Page 1 of 1

Sample Number 2249985-4
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 09 - May 10, 2022
Measurement by Anurak Tongkhajonsakda
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	57.3	70.6	51.1
10:00 AM - 11:00 AM	56.0	79.3	51.1
11:00 AM - 12:00 PM	55.8	65.0	52.2
12:00 PM - 01:00 PM	55.2	71.3	50.8
01:00 PM - 02:00 PM	54.8	70.4	48.9
02:00 PM - 03:00 PM	52.9	63.8	48.2
03:00 PM - 04:00 PM	57.4	78.5	49.0
04:00 PM - 05:00 PM	54.1	74.3	48.5
05:00 PM - 06:00 PM	54.3	73.0	48.8
06:00 PM - 07:00 PM	52.7	67.4	48.4
07:00 PM - 08:00 PM	53.2	69.6	47.4
08:00 PM - 09:00 PM	54.6	70.3	48.5
09:00 PM - 10:00 PM	55.3	73.6	48.7
10:00 PM - 11:00 PM	53.2	66.6	47.3
11:00 PM - 12:00 AM	53.4	70.3	48.0
12:00 AM - 01:00 AM	53.9	71.7	48.5
01:00 AM - 02:00 AM	53.4	68.7	47.1
02:00 AM - 03:00 AM	51.2	69.2	46.5
03:00 AM - 04:00 AM	52.1	75.0	45.6
04:00 AM - 05:00 AM	52.7	72.2	45.9
05:00 AM - 06:00 AM	52.0	71.2	46.3
06:00 AM - 07:00 AM	51.6	71.9	44.6
07:00 AM - 08:00 AM	52.1	65.8	43.7
08:00 AM - 09:00 AM	49.5	63.8	43.7

Leq Average 24 hrs. (dB(A)) 54.1
Lmax (dB(A)) 79.3
L90 (dB(A)) 48.2
Ldn (dB(A)) 59.5
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.

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

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321695-1C3

Page 1 of 1

Sample Number 2249985-5
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 10 - May 11, 2022
Measurement by Anurak Tongkhajonsakda
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.4	69.8	46.7
10:00 AM - 11:00 AM	50.8	63.3	44.9
11:00 AM - 12:00 PM	51.5	64.7	44.9
12:00 PM - 01:00 PM	49.8	64.9	43.8
01:00 PM - 02:00 PM	52.5	64.6	45.3
02:00 PM - 03:00 PM	52.8	67.2	45.1
03:00 PM - 04:00 PM	55.5	78.1	47.4
04:00 PM - 05:00 PM	50.9	65.1	43.6
05:00 PM - 06:00 PM	49.9	65.2	43.6
06:00 PM - 07:00 PM	52.1	68.7	45.3
07:00 PM - 08:00 PM	52.7	73.2	47.1
08:00 PM - 09:00 PM	52.3	65.6	45.6
09:00 PM - 10:00 PM	53.1	70.0	46.5
10:00 PM - 11:00 PM	55.3	77.8	46.9
11:00 PM - 12:00 AM	53.0	66.0	47.7
12:00 AM - 01:00 AM	54.2	69.2	49.2
01:00 AM - 02:00 AM	54.7	69.3	46.5
02:00 AM - 03:00 AM	52.7	65.3	47.0
03:00 AM - 04:00 AM	55.3	69.8	49.1
04:00 AM - 05:00 AM	54.3	78.8	48.4
05:00 AM - 06:00 AM	58.5	77.9	48.9
06:00 AM - 07:00 AM	63.3	92.6	50.1
07:00 AM - 08:00 AM	62.8	85.1	50.0
08:00 AM - 09:00 AM	54.4	68.8	48.0

Leq Average 24 hrs. (dB(A)) 55.8
Lmax (dB(A)) 92.6
L90 (dB(A)) 46.7
Ldn (dB(A)) 63.3
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321696-1C3

Page 1 of 1

Sample Number 2249985-6
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 11 - May 12, 2022
Measurement by Anurak Tongkhajonsakda
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.2	66.0	47.2
10:00 AM - 11:00 AM	58.1	78.7	49.7
11:00 AM - 12:00 PM	52.8	59.9	49.4
12:00 PM - 01:00 PM	55.2	69.9	48.9
01:00 PM - 02:00 PM	52.9	71.3	46.6
02:00 PM - 03:00 PM	53.9	66.2	48.7
03:00 PM - 04:00 PM	54.5	74.7	45.9
04:00 PM - 05:00 PM	53.6	72.5	45.6
05:00 PM - 06:00 PM	54.6	73.1	46.7
06:00 PM - 07:00 PM	57.0	77.6	46.1
07:00 PM - 08:00 PM	50.9	65.2	46.3
08:00 PM - 09:00 PM	51.3	68.9	45.9
09:00 PM - 10:00 PM	52.6	64.5	48.3
10:00 PM - 11:00 PM	51.4	71.4	45.2
11:00 PM - 12:00 AM	50.1	67.0	45.3
12:00 AM - 01:00 AM	47.7	62.2	44.4
01:00 AM - 02:00 AM	47.7	61.3	44.2
02:00 AM - 03:00 AM	48.9	66.0	43.7
03:00 AM - 04:00 AM	53.7	70.0	43.4
04:00 AM - 05:00 AM	46.7	62.1	42.1
05:00 AM - 06:00 AM	45.2	57.4	41.7
06:00 AM - 07:00 AM	45.6	63.7	42.1
07:00 AM - 08:00 AM	45.5	66.2	41.9
08:00 AM - 09:00 AM	52.4	76.8	41.4

Leq Average 24 hrs. (dB(A)) 52.8
Lmax (dB(A)) 78.7
L90 (dB(A)) 45.6
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

Suppt S.

Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Thai Polyethylene Co., Ltd.

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

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : PP1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321697-1C3

Page 1 of 1

Sample Number 2249985-7
Parameter Noise (Leq 24 hrs.)
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1
Measurement Date May 12 - May 13, 2022
Measurement by Anurak Tongkhajonsakda
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	57.6	75.5	41.4
10:00 AM - 11:00 AM	55.8	69.0	50.4
11:00 AM - 12:00 PM	55.7	69.9	50.0
12:00 PM - 01:00 PM	54.9	75.9	49.4
01:00 PM - 02:00 PM	53.7	68.3	48.2
02:00 PM - 03:00 PM	58.4	79.1	49.0
03:00 PM - 04:00 PM	53.7	73.0	48.1
04:00 PM - 05:00 PM	53.1	66.8	49.6
05:00 PM - 06:00 PM	54.9	70.3	49.7
06:00 PM - 07:00 PM	54.9	65.5	49.5
07:00 PM - 08:00 PM	51.9	65.9	46.8
08:00 PM - 09:00 PM	53.2	64.0	48.5
09:00 PM - 10:00 PM	51.5	66.6	45.9
10:00 PM - 11:00 PM	52.3	71.7	46.1
11:00 PM - 12:00 AM	51.9	71.6	45.2
12:00 AM - 01:00 AM	50.7	67.7	45.0
01:00 AM - 02:00 AM	50.1	67.5	44.3
02:00 AM - 03:00 AM	49.6	62.3	44.2
03:00 AM - 04:00 AM	49.8	63.2	43.8
04:00 AM - 05:00 AM	48.0	62.8	42.5
05:00 AM - 06:00 AM	59.1	80.3	46.9
06:00 AM - 07:00 AM	67.6	87.0	54.4
07:00 AM - 08:00 AM	50.4	62.7	45.7
08:00 AM - 09:00 AM	50.4	63.0	46.2

Leq Average 24 hrs. (dB(A)) 56.9
Lmax (dB(A)) 87.0
L90 (dB(A)) 46.8
Ldn (dB(A)) 65.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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