

ภาคผนวก ค

ผลการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม

ภาคผนวก ค-1

คุณภาพอากาศจากแหล่งกำเนิด



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2236699
Date Received : Mar 22, 2022
Date Reported : Mar 30, 2022
Report Number: 2267046-1

Page 1 of 2

Sample Number 2236699-1
Sampled Date Mar 22, 2022
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Mar 22, 2022
Condition of Sample Extracted into three 2-L collection flasks and one 10-L air sampling bag

| Stack Description | | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 1.35 | m | Oxygen | 5.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 8.8 | % | |
| Type of Process | Combustion | | Stack Temperature | 198 | °C | Gas Velocity | 6.8 | m/s | |
| Type of Fuel | Natural Gas | | Moisture | 10.88 | % | Flow Rate (Actual O2) | 19713 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 %O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|--------------------|---------------------|------|-----|-----------|-----------------------------|---------------|---------------|-------------------|------------------|
| Air Testing | | | | | | | | | |
| Carbon Monoxide | 12:00 PM - 12:10 PM | ppm | - | 1.0 | 5.3 | 5.7 | 690 | US EPA, Method 10 | Rayong |
| Oxides of Nitrogen | 11:50 AM - 12:05 PM | ppm | - | 1.06 | 7.33 | 7.9 | 200 | US EPA, Method 7 | Rayong |

Guideline :

- 1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
- 2) Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated Mar 5, B.E.2557.

Technical Management

Tharitat.

Tharita Kulsurhwong
Scientist (4)
vn00000001-323-n-9447

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
vn00000001-323-n-9442

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Life Sciences

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4988-122/EMAIL

S:\Reports\AP Stack_O2_PCL.rpt (3/30PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2236699
Date Received : Mar 22, 2022
Date Reported : Mar 30, 2022
Report Number: 2267046-2

Page 1 of 1

Sample Number 2236699-1
Sampled Date Mar 22, 2022
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Mar 22, 2022
Condition of Sample Extracted into three 2-L collection flasks and one 10-L air sampling bag

| Stack Description | | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 1.35 | m | Oxygen | 5.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 8.8 | % | |
| Type of Process | Combustion | | Stack Temperature | 198 | °C | Gas Velocity | 6.8 | m/s | |
| Type of Fuel | Natural Gas | | Moisture | 10.88 | % | Flow Rate (Actual O2) | 19713 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 %O ₂ | Method | Testing Location |
|--------------------|---------------------|------|-----|-----------|-----------------------------|--|------------------|
| Air Testing | | | | | | | |
| Methane as Propane | 12:00 PM - 12:10 PM | ppm | - | 0.4 | <0.4 | Total Hydrocarbon Analyser, Based on US EPA Method 25A | Rayong |

| | | | | | | | |
|------------------------------------|---------------------|-----|---|-----|------|--|--------|
| Non-Methane Hydrocarbon as Propane | 12:00 PM - 12:10 PM | ppm | - | 0.4 | <0.4 | Total Hydrocarbon Analyser, Based on US EPA Method 25A | Rayong |
|------------------------------------|---------------------|-----|---|-----|------|--|--------|

| | | | | | | | |
|------------------------------|---------------------|-----|---|-----|-----|--|--------|
| Total Hydrocarbon as Propane | 12:00 PM - 12:10 PM | ppm | - | 0.4 | 0.6 | Total Hydrocarbon Analyser, Based on US EPA Method 25A | Rayong |
|------------------------------|---------------------|-----|---|-----|-----|--|--------|

Sampled By : Thirakorn Kuchart

Remark :

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

Approved by

Tharitat.

Tharita Kulsurhwong
Scientist (4)

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S:\Reports\AP Stack_O2_PCL.rpt (3/30PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2236699
Date Received : Mar 22, 2022
Date Reported : Mar 30, 2022
Report Number: 2267046-1

Page 2 of 2

Sample Number 2236699-1
Sampled Date Mar 22, 2022
Sample Description Emission from Stationary Source
Location Furnace 1 (GPS 47P 0734130, 1404515)
Date Analysis Commenced Mar 22, 2022
Condition of Sample Extracted into three 2-L collection flasks and one 10-L air sampling bag

| Stack Description | | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 1.35 | m | Oxygen | 5.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 8.8 | % | |
| Type of Process | Combustion | | Stack Temperature | 198 | °C | Gas Velocity | 6.8 | m/s | |
| Type of Fuel | Natural Gas | | Moisture | 10.88 | % | Flow Rate (Actual O2) | 19713 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 %O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|--------------------|---------------------|------|-----|-----------|-----------------------------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Carbon Monoxide | 12:00 PM - 12:10 PM | g/s | - | - | 0.04 | - | - | Calculated | Rayong |
| Oxides of Nitrogen | 11:50 AM - 12:05 PM | g/s | - | - | 0.082 | - | 0.390 | Calculated | Rayong |

Guideline :

- 1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
- 2) Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated Mar 5, B.E.2557.

Sampled By : Thirakorn Kuchart

Remark :

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

Technical Management

Tharitat.

Tharita Kulsurhwong
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Approved by

D. Chongchon

Dej Chongchon
Senior Manager
vn00000001-323-n-9442

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S:\Reports\AP Stack_O2_PCL.rpt (3/30PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2236703
Date Received : Mar 22, 2022
Date Reported : Mar 30, 2022
Report Number: 2267051-1

Page 1 of 2

Sample Number 2236703-1
Sampled Date Mar 22, 2022
Sample Description Emission from Stationary Source
Location Furnace 2 (GPS 47P 0734143, 1404933)
Date Analysis Commenced Mar 22, 2022
Condition of Sample Extracted into three 2-L collection flasks and one 10-L air sampling bag

| Stack Description | | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|-------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 1.58 | m | Oxygen | 4.3 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 9.4 | % | |
| Type of Process | Combustion | | Stack Temperature | 190 | °C | Gas Velocity | 3.3 | m/s | |
| Type of Fuel | Natural Gas | | Moisture | 10.71 | % | Flow Rate (Actual O2) | 13510 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 %O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|--------------------|---------------------|------|-----|-----------|-----------------------------|---------------|---------------|-------------------|------------------|
| Air Testing | | | | | | | | | |
| Carbon Monoxide | 11:40 AM - 11:50 AM | ppm | - | 1.0 | <1.0 | 690 | - | US EPA, Method 10 | Rayong |
| Oxides of Nitrogen | 11:45 AM - 12:00 PM | ppm | - | 1.06 | 12.5 | 14.9 | 200 | US EPA, Method 7 | Rayong |

Guideline :

- 1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
- 2) Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated Mar 5, B.E.2557.

Sampled By : Thirakorn Kuchart

Remark :

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

Technical Management

Tharitat.

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Approved by

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Dej Chongchon
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vn00000001-323-n-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2236703
Date Received : Mar 22, 2022
Date Reported : Mar 23, 2022
Report Number: 2287031-1

Page 2 of 2

Sample Number : 2236703-1
Sampled Date : Mar 22, 2022
Sample Description : Emission from Stationary Source
Location : Furnace 2 (GPS 47P 0734143, 1404493)
Date Analysis Commenced : Mar 23, 2022
Condition of Sample : Extracted into three 2-L collection flasks and one 10-L air sampling bag

| Stack Description | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------------|
| Ambient Pressure | 758 | mmHg | Diameter | 1.58 | m | Oxygen | 4.3 % |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 9.4 % |
| Type of Process | Combustion | | Stack Temperature | 190 | °C | Gas Velocity | 3.3 m/s |
| Type of Fuel | Natural Gas | | Moisture | 10.71 | % | Flow Rate (Actual O2) | 13510 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Guideline (1) | Guideline (2) | Method | Testing Location |
|--------------------|---------------------|------|-----|-----------|--------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Carbon Monoxide | 11:40 AM - 11:50 AM | g/s | - | - | <0.004 | - | - | Calculated | Rayong |
| Oxides of Nitrogen | 11:45 AM - 12:00 PM | g/s | - | - | 0.105 | - | 0.423 | Calculated | Rayong |

Guideline 1:

1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)
2) Emission Air Standard according to EIA study of SPE-PE Plant, Approval Letter No. Tor Sor 1009.9/2341 dated Mar 5, B.E.2557.

Sampled By : Suphanat Pisalpan

Remark :

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Technical Management

Tharitat.

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Approved by

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Dej Changchon
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wt00000001-323-n-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 451533636
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265582
Date Received : Jun 01, 2022
Date Reported : Jun 06, 2022
Report Number: 2326715-1

Page 1 of 1

Sample Number : 2265582-1
Sampled Date : Jun 01, 2022
Sample Description : Emission from Stationary Source
Location : Furnace 2
Date Analysis Commenced : Jun 02, 2022
Condition of Sample : Extracted into one 10-L air sampling bag

| Stack Description | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------------|
| Ambient Pressure | 757 | mmHg | Diameter | 1.58 | m | Oxygen | 4.4 % |
| Ambient Temperature | 32.0 | °C | Shape | Circle | | Carbon Dioxide | 9.4 % |
| Type of Process | Combustion | | Stack Temperature | 197 | °C | Gas Velocity | 2.8 m/s |
| Type of Fuel | Natural Gas | | Moisture | 12.56 | % | Flow Rate (Actual O2) | 10716 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--|------------------|
| Air Testing | | | | | | | |
| Methane as Propane | 02:15 PM - 02:25 PM | ppm | - | 0.4 | <0.4 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong |
| Non-Methane Hydrocarbon as Propane | 02:15 PM - 02:25 PM | ppm | - | 0.4 | <0.4 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong |
| Total Hydrocarbon as Propane | 02:15 PM - 02:25 PM | ppm | - | 0.4 | 0.7 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong |

Sampled By : Kantaphon Manesampan

Remark :

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Approved by

Tharitat.

Tharita Kulurhwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227859
Date Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247228-1

Page 1 of 1

Sample Number : 2227859-1
Sampled Date : Mar 23, 2022
Sample Description : Emission from Stationary Source
Location : Hold Up Hopper 1 (GPS 47P 0733995, 1404455)
Date Analysis Commenced : Mar 24, 2022
Condition of Sample : Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.25 | m | Oxygen | 20.9 % |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 % |
| Type of Process | Process | | Stack Temperature | 45.0 | °C | Gas Velocity | 3.2 m/s |
| Type of Fuel | - | | Moisture | 2.69 | % | Flow Rate (Actual O2) | 513 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Testing Location |
|-----------------|---------------------|------|-----|-----------|--------|-----------------|-------------------|------------------|
| Air Testing | | | | | | | | |
| Carbon Monoxide | 10:50 AM - 11:20 AM | ppm | - | 1.0 | <1.0 | 870 | US EPA, Method 10 | Rayong |

Guideline: 1) Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Tinnakorn Kulchart

Remark :

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

Technical Management

Tharitat.

Tharita Kulurhwong
Scientist (4)
wt00000001-323-n-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager
wt00000001-323-n-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227859
Date Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247228-2

Page 1 of 1

Sample Number : 2227859-1
Sampled Date : Mar 23, 2022
Sample Description : Emission from Stationary Source
Location : Hold Up Hopper 1 (GPS 47P 0733995, 1404455)
Date Analysis Commenced : Mar 24, 2022
Condition of Sample : Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.25 | m | Oxygen | 20.9 % |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 % |
| Type of Process | Process | | Stack Temperature | 45.0 | °C | Gas Velocity | 3.2 m/s |
| Type of Fuel | - | | Moisture | 2.69 | % | Flow Rate (Actual O2) | 513 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|--------------------|---------------------|------|-----|-----------|--------|--|------------------|
| Air Testing | | | | | | | |
| Carbon dioxide | 10:50 AM - 11:20 AM | ppm | - | 1.0 | 625 | US EPA, Method 3 | Rayong |
| Methane as Propane | 10:50 AM - 11:20 AM | ppm | - | 0.4 | <0.4 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong |

Non-Methane Hydrocarbon as Propane 10:50 AM - 11:20 AM ppm - 0.4 235 Total Hydrocarbon Analyzer, Based on US EPA Method 25A Rayong

Total Hydrocarbon as Propane 10:50 AM - 11:20 AM ppm - 0.4 235 Total Hydrocarbon Analyzer, Based on US EPA Method 25A Rayong

Sampled By : Tinnakorn Kulchart

Remark :

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

Approved by

Tharitat.

Tharita Kulurhwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227859
Date Received : Mar 23, 2022
Date Reported : Apr 06, 2022
Report Number: 2247235-2C5

Page 1 of 1

Sample Number 2227859-1
Sampled Date Mar 23, 2022
Sample Description Emission from Stationary Source
Location Hold Up Hopper 1 (GPS 47P 0733954, 1404453)
Date Analysis Commenced Mar 24, 2022
Condition of Sample Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 0.23 | m | Oxygen | 20.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % | |
| Type of Process | Process | | Stack Temperature | 45.0 | °C | Gas Velocity | 3.2 | m/s | |
| Type of Fuel | - | | Moisture | 2.69 | % | Flow Rate (Actual O2) | 513 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------|---------------------|------|-----|-----------|--------|--|------------------|
| Air Testing | | | | | | | |
| Total Hydrocarbon as Propane | 10:50 AM - 11:20 AM | ppm | - | 0.4 | 236 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong |

Sampled By : Tinnakorn Kulchart

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

Approved by

*Thanitak.*Thanita Kulchartwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227868
Date Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247235-2

Page 1 of 1

Sample Number 2227868-1
Sampled Date Mar 23, 2022
Sample Description Emission from Stationary Source
Location Blenders 1 (GPS 47P 0733954, 1404492)
Date Analysis Commenced Mar 24, 2022
Condition of Sample Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 0.50 | m | Oxygen | 20.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % | |
| Type of Process | Process | | Stack Temperature | 38.0 | °C | Gas Velocity | 1.0 | m/s | |
| Type of Fuel | - | | Moisture | 1.37 | % | Flow Rate (Actual O2) | 979 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--|------------------|
| Air Testing | | | | | | | |
| Carbon dioxide | 03:00 PM - 03:25 PM | ppm | - | 1.0 | 412 | US EPA Method 3 | Rayong |
| Methane as Propane | 03:00 PM - 03:25 PM | ppm | - | 0.4 | <0.4 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong |
| Non-Methane Hydrocarbon as Propane | 03:00 PM - 03:25 PM | ppm | - | 0.4 | 137 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong |
| Total Hydrocarbon as Propane | 03:00 PM - 03:25 PM | ppm | - | 0.4 | 137 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong |

Sampled By : Suphanut Pisalpan

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

Approved by

*Thanitak.*Thanita Kulchartwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227868
Date Received : Mar 23, 2022
Date Reported : Apr 06, 2022
Report Number: 2247235-1

Page 1 of 1

Sample Number 2227868-1
Sampled Date Mar 23, 2022
Sample Description Emission from Stationary Source
Location Blenders 1 (GPS 47P 0733954, 1404492)
Date Analysis Commenced Mar 24, 2022
Condition of Sample Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 0.60 | m | Oxygen | 20.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % | |
| Type of Process | Process | | Stack Temperature | 38.0 | °C | Gas Velocity | 1.0 | m/s | |
| Type of Fuel | - | | Moisture | 1.37 | % | Flow Rate (Actual O2) | 979 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Testing Location |
|-----------------|---------------------|------|-----|-----------|--------|-----------------|-------------------|------------------|
| Air Testing | | | | | | | | |
| Carbon Monoxide | 03:00 PM - 03:25 PM | ppm | - | 1.0 | <1.0 | 670 | US EPA, Method 10 | Rayong |

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Suphanut Pisalpan

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

Technical Management

*Thanitak.*Thanita Kulchartwong
Scientist (4)
โทรศัพท์ 3-323-9447

Approved by

*D. Changchon*Dej Changchon
Senior Manager
โทรศัพท์ 3-323-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227868
Date Received : Mar 23, 2022
Date Reported : Apr 06, 2022
Report Number: 2247235-2C5

Page 1 of 1

Sample Number 2227868-1
Sampled Date Mar 23, 2022
Sample Description Emission from Stationary Source
Location Blenders 1 (GPS 47P 0733954, 1404492)
Date Analysis Commenced Mar 24, 2022
Condition of Sample Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 0.60 | m | Oxygen | 20.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % | |
| Type of Process | Process | | Stack Temperature | 38.0 | °C | Gas Velocity | 1.0 | m/s | |
| Type of Fuel | - | | Moisture | 1.37 | % | Flow Rate (Actual O2) | 979 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------|---------------------|------|-----|-----------|--------|--|------------------|
| Air Testing | | | | | | | |
| Total Hydrocarbon as Propane | 03:00 PM - 03:25 PM | ppm | - | 0.4 | 137 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong |

Sampled By : Suphanut Pisalpan

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

Approved by

*Thanitak.*Thanita Kulchartwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227869
Date Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247237-1

Page 1 of 1

| | |
|-------------------------|---|
| Sample Number | 2227869-1 |
| Sampled Date | Mar 23, 2022 |
| Sample Description | Emission from Stationary Source |
| Location | Spin Dryer 1 (GPS 47P 0733967, 1404426) |
| Date Analysis Commenced | Mar 24, 2022 |
| Condition of Sample | Extracted into two 10-L air sampling bags |

| Stack Description | | | | | | | |
|---------------------|---------|------|-------------------|-------------|----|-----------------------|-------------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.63 x 0.63 | m | Oxygen | 20.9 % |
| Ambient Temperature | 30.0 | °C | Shape | Square | | Carbon Dioxide | 0.0 % |
| Type of Process | Process | | Stack Temperature | 40.0 | °C | Gas Velocity | 7.1 m/s |
| Type of Fuel | - | | Moisture | 2.48 | % | Flow Rate (Actual O2) | 9363 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Testing Location |
|-----------------|---------------------|------|-----|-----------|--------|-----------------|-------------------|------------------|
| Air Testing | | | | | | | | |
| Carbon Monoxide | 11:00 AM - 11:25 AM | ppm | - | 1.0 | <1.0 | 870 | US EPA, Method 10 | Rayong |

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Suphanut Pisalpen

Remark :

- LOD : Limit of Detection
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Technical Management

Tharitat.

Approved by

D. Chongchon

Thanita Kulsurwong
Scientist (4)
wt00000001 7-323-a-9447

Dij Chongchon
Senior Manager
wt00000001 7-323-a-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227869
Date Received : Mar 23, 2022
Date Reported : Apr 06, 2022
Report Number: 2247237-2C5

Page 1 of 1

| | |
|-------------------------|---|
| Sample Number | 2227869-1 |
| Sampled Date | Mar 23, 2022 |
| Sample Description | Emission from Stationary Source |
| Location | Spin Dryer 1 (GPS 47P 0733967, 1404426) |
| Date Analysis Commenced | Mar 24, 2022 |
| Condition of Sample | Extracted into two 10-L air sampling bags |

| Stack Description | | | | | | | |
|---------------------|---------|------|-------------------|-------------|----|-----------------------|-------------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.63 x 0.63 | m | Oxygen | 20.9 % |
| Ambient Temperature | 30.0 | °C | Shape | Square | | Carbon Dioxide | 0.0 % |
| Type of Process | Process | | Stack Temperature | 40.0 | °C | Gas Velocity | 7.1 m/s |
| Type of Fuel | - | | Moisture | 2.48 | % | Flow Rate (Actual O2) | 9363 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Testing Location |
|------------------------------|---------------------|------|-----|-----------|--------|--|--------|------------------|
| Air Testing | | | | | | | | |
| Total Hydrocarbon as Propane | 11:00 AM - 11:25 AM | ppm | - | 0.4 | 10.2 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | | Rayong |

Sampled By : Suphanut Pisalpen

Remark :

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Approved by

Tharitat.

Thanita Kulsurwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227869
Date Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247237-2

Page 1 of 1

| | |
|-------------------------|---|
| Sample Number | 2227869-1 |
| Sampled Date | Mar 23, 2022 |
| Sample Description | Emission from Stationary Source |
| Location | Spin Dryer 1 (GPS 47P 0733967, 1404426) |
| Date Analysis Commenced | Mar 24, 2022 |
| Condition of Sample | Extracted into two 10-L air sampling bags |

| Stack Description | | | | | | | |
|---------------------|---------|------|-------------------|-------------|----|-----------------------|-------------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.63 x 0.63 | m | Oxygen | 20.9 % |
| Ambient Temperature | 30.0 | °C | Shape | Square | | Carbon Dioxide | 0.0 % |
| Type of Process | Process | | Stack Temperature | 40.0 | °C | Gas Velocity | 7.1 m/s |
| Type of Fuel | - | | Moisture | 2.48 | % | Flow Rate (Actual O2) | 9363 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Testing Location |
|----------------|---------------------|------|-----|-----------|--------|------------------|--------|------------------|
| Air Testing | | | | | | | | |
| Carbon dioxide | 11:00 AM - 11:25 AM | ppm | - | 1.0 | 415 | US EPA, Method 3 | | Rayong |

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Suphanut Pisalpen

Remark :

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Tharitat.

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Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227870
Date Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247231-1

Page 1 of 1

| | |
|-------------------------|---|
| Sample Number | 2227870-1 |
| Sampled Date | Mar 23, 2022 |
| Sample Description | Emission from Stationary Source |
| Location | Spin Dryer 2 (GPS 47P 0733732, 1404278) |
| Date Analysis Commenced | Mar 24, 2022 |
| Condition of Sample | Extracted into two 10-L air sampling bags |

| Stack Description | | | | | | | |
|---------------------|---------|------|-------------------|-------------|----|-----------------------|--------------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.63 x 0.60 | m | Oxygen | 20.9 % |
| Ambient Temperature | 30.0 | °C | Shape | Rectangular | | Carbon Dioxide | 0.0 % |
| Type of Process | Process | | Stack Temperature | 51.0 | °C | Gas Velocity | 7.7 m/s |
| Type of Fuel | - | | Moisture | 1.84 | % | Flow Rate (Actual O2) | 12369 Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Testing Location |
|-----------------|---------------------|------|-----|-----------|--------|-----------------|-------------------|------------------|
| Air Testing | | | | | | | | |
| Carbon Monoxide | 11:40 AM - 12:05 PM | ppm | - | 1.0 | <1.0 | 870 | US EPA, Method 10 | Rayong |

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Suphanut Pisalpen

Remark :

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Technical Management

Tharitat.

Approved by

D. Chongchon

Thanita Kulsurwong
Scientist (4)
wt00000001 7-323-a-9447

Dij Chongchon
Senior Manager
wt00000001 7-323-a-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227870
Data Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247231-2

Page 1 of 1

Sample Number : 2227870-1
Sampled Date : Mar 23, 2022
Sample Description : Emission from Stationary Source
Location : Spin Dryer 2 (GPS 47P 0733732, 1404276)
Date Analysis Commenced : Mar 24, 2022
Condition of Sample : Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | |
|------------------------------------|---------------------|------|-------------------|-------------|--------|--|------------------|--------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.63 x 0.80 | m | Oxygen | 20.9 | % |
| Ambient Temperature | 30.0 | °C | Shape | Rectangular | | Carbon Dioxide | 0.0 | % |
| Type of Process | Process | | Stack Temperature | 51.0 | °C | Gas Velocity | 7.7 | m/s |
| Type of Fuel | - | | Moisture | 1.84 | % | Flow Rate (Actual O2) | 12589 | Nm3/hr |
| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location | |
| Air Testing | | | | | | | | |
| Carbon dioxide | 11:40 AM - 12:05 PM | ppm | - | 1.0 | 413 | US EPA, Method 3 | Rayong | |
| Methane as Propane | 11:40 AM - 12:05 PM | ppm | - | 0.4 | 0.9 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong | |
| Non-Methane Hydrocarbon as Propane | 11:40 AM - 12:05 PM | ppm | - | 0.4 | 12.2 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong | |
| Total Hydrocarbon as Propane | 11:40 AM - 12:05 PM | ppm | - | 0.4 | 13.1 | Total Hydrocarbon Analyzer, Based on US EPA Method 25A | Rayong | |

Sampled By : Suphanut Pailpan

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

Approved by

*Thanitak.*Thanita Kulstuwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227872
Data Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247264-1

Page 1 of 1

Sample Number : 2227872-1
Sampled Date : Mar 23, 2022
Sample Description : Emission from Stationary Source
Location : Hold Up Hopper 2 (GPS 47P 0734013, 1404453)
Date Analysis Commenced : Mar 24, 2022
Condition of Sample : Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | |
|---------------------|--------------|------|-------------------|-----------|--------|-----------------------|--------|------------------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.20 | m | Oxygen | 20.9 | % |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % |
| Type of Process | Process | | Stack Temperature | 47.0 | °C | Gas Velocity | 8.1 | m/s |
| Type of Fuel | - | | Moisture | 1.81 | % | Flow Rate (Actual O2) | 840 | Nm3/hr |
| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Testing Location |

Air Testing
Carbon Monoxide 11:40 AM - 12:10 PM ppm - 1.0 <1.0 870 US EPA, Method 10 Rayong

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Sampled By : Tinnakorn Kulchart

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

Technical Management

*Thanitak.*Thanita Kulstuwong
Scientist (4)
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*D. Chumchon*Daj Chumchon
Senior Manager
WU00000001-932-9-9442

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227870
Data Received : Mar 23, 2022
Date Reported : Apr 06, 2022
Report Number: 2247231-2C3

Page 1 of 1

Sample Number : 2227870-1
Sampled Date : Mar 23, 2022
Sample Description : Emission from Stationary Source
Location : Spin Dryer 2 (GPS 47P 0733732, 1404276)
Date Analysis Commenced : Mar 24, 2022
Condition of Sample : Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | |
|---------------------|---------|------|-------------------|-------------|----|-----------------------|-------|--------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.63 x 0.80 | m | Oxygen | 20.9 | % |
| Ambient Temperature | 30.0 | °C | Shape | Rectangular | | Carbon Dioxide | 0.0 | % |
| Type of Process | Process | | Stack Temperature | 51.0 | °C | Gas Velocity | 7.7 | m/s |
| Type of Fuel | - | | Moisture | 1.84 | % | Flow Rate (Actual O2) | 12589 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|---------|--------------|------|-----|-----------|--------|--------|------------------|
|---------|--------------|------|-----|-----------|--------|--------|------------------|

Air Testing
Total Hydrocarbon as Propane 11:40 AM - 12:05 PM ppm - 0.4 13.1 Total Hydrocarbon Analyzer, Based on US EPA Method 25A Rayong

Sampled By : Suphanut Pailpan

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

Approved by

*Thanitak.*Thanita Kulstuwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227872
Data Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247264-2

Page 1 of 1

Sample Number : 2227872-1
Sampled Date : Mar 23, 2022
Sample Description : Emission from Stationary Source
Location : Hold Up Hopper 2 (GPS 47P 0734013, 1404453)
Date Analysis Commenced : Mar 24, 2022
Condition of Sample : Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | |
|---------------------|--------------|------|-------------------|-----------|--------|-----------------------|------------------|--------|
| Ambient Pressure | 758 | mmHg | Diameter | 0.20 | m | Oxygen | 20.9 | % |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % |
| Type of Process | Process | | Stack Temperature | 47.0 | °C | Gas Velocity | 8.1 | m/s |
| Type of Fuel | - | | Moisture | 1.81 | % | Flow Rate (Actual O2) | 840 | Nm3/hr |
| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location | |

Air Testing
Carbon dioxide 11:40 AM - 12:10 PM ppm - 1.0 426 US EPA, Method 3 Rayong

Methane as Propane 11:40 AM - 12:10 PM ppm - 0.4 <0.4 Total Hydrocarbon Analyzer, Based on US EPA Method 25A Rayong

Non-Methane Hydrocarbon as Propane 11:40 AM - 12:10 PM ppm - 0.4 269 Total Hydrocarbon Analyzer, Based on US EPA Method 25A Rayong

Total Hydrocarbon as Propane 11:40 AM - 12:10 PM ppm - 0.4 269 Total Hydrocarbon Analyzer, Based on US EPA Method 25A Rayong

Sampled By : Tinnakorn Kulchart

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

Approved by

*Thanitak.*Thanita Kulstuwong
Scientist (4)

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S:\Report\Air Stack_HCL.pdf (3.12AM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227872
Date Received : Mar 23, 2022
Date Reported : Apr 06, 2022
Report Number: 2247264-2C5

Page 1 of 1

Sample Number 2227872-1
Sampled Date Mar 23, 2022
Sample Description Emission from Stationary Source
Location Hold Up Hopper 2 (GPS 47P 0735113, 140453)
Date Analysis Commenced Mar 24, 2022
Condition of Sample Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 0.30 | m | Oxygen | 20.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % | |
| Type of Process | Process | | Stack Temperature | 47.0 | °C | Gas Velocity | 8.1 | m/s | |
| Type of Fuel | - | | Moisture | 1.81 | % | Flow Rate (Actual O2) | 840 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------|---------------------|------|-----|-----------|--------|--|------------------|
| Air Testing | | | | | | | |
| Total Hydrocarbon as Propane | 11:40 AM - 12:10 PM | ppm | - | 0.4 | 269 | Total Hydrocarbon Analyser, Based on US EPA Method 25A | Anyong |

Sampled By : Tinnakorn Kulchart

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

Approved by

*Thanitak*Thanika Kulchartwong
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227873
Date Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247265-2

Page 1 of 1

Sample Number 2227873-1
Sampled Date Mar 23, 2022
Sample Description Emission from Stationary Source
Location Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced Mar 24, 2022
Condition of Sample Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 0.30 | m | Oxygen | 20.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % | |
| Type of Process | Process | | Stack Temperature | 42.0 | °C | Gas Velocity | 2.2 | m/s | |
| Type of Fuel | - | | Moisture | 2.25 | % | Flow Rate (Actual O2) | 527 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|--------------------|---------------------|------|-----|-----------|--------|--|------------------|
| Air Testing | | | | | | | |
| Carbon dioxide | 02:45 PM - 03:15 PM | ppm | - | 1.0 | 408 | US EPA, Method 3 | Anyong |
| Methane as Propane | 02:45 PM - 03:15 PM | ppm | - | 0.4 | <0.4 | Total Hydrocarbon Analyser, Based on US EPA Method 25A | Anyong |

| | | | | | | | |
|------------------------------------|---------------------|-----|---|-----|-----|--|--------|
| Non-Methane Hydrocarbon as Propane | 02:45 PM - 03:15 PM | ppm | - | 0.4 | 204 | Total Hydrocarbon Analyser, Based on US EPA Method 25A | Anyong |
| Total Hydrocarbon as Propane | 02:45 PM - 03:15 PM | ppm | - | 0.4 | 204 | Total Hydrocarbon Analyser, Based on US EPA Method 25A | Anyong |

Sampled By : Tinnakorn Kulchart

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

Approved by

*Thanitak*Thanika Kulchartwong
Scientist (4)

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S:\Reports\Air_Spec_ML_25A (21464)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227873
Date Received : Mar 23, 2022
Date Reported : Mar 31, 2022
Report Number: 2247266-1

Page 1 of 1

Sample Number 2227873-1
Sampled Date Mar 23, 2022
Sample Description Emission from Stationary Source
Location Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced Mar 24, 2022
Condition of Sample Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 0.30 | m | Oxygen | 20.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % | |
| Type of Process | Process | | Stack Temperature | 42.0 | °C | Gas Velocity | 2.2 | m/s | |
| Type of Fuel | - | | Moisture | 2.25 | % | Flow Rate (Actual O2) | 527 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Testing Location |
|-----------------|---------------------|------|-----|-----------|--------|-----------------|-------------------|------------------|
| Air Testing | | | | | | | | |
| Carbon Monoxide | 02:45 PM - 03:15 PM | ppm | - | 1.0 | <1.0 | 870 | US EPA, Method 10 | Anyong |

Guideline : Modification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 128 D, dated December 4, 2006 (B.E. 2549)
Sampled By : Tinnakorn Kulchart

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

Technical Management

*Thanitak*Thanika Kulchartwong
Scientist (4)
โทรศัพท์ 3-323-8-9447

Approved by

*D. Chongchon*Dej Chongchon
Senior Manager
โทรศัพท์ 3-323-8-9442

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S:\Reports\Air_Spec_O2.pdf (11464)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227873
Date Received : Mar 23, 2022
Date Reported : Apr 06, 2022
Report Number: 2247266-2C5

Page 1 of 1

Sample Number 2227873-1
Sampled Date Mar 23, 2022
Sample Description Emission from Stationary Source
Location Blenders 2 (GPS 47P 0735113, 1405977)
Date Analysis Commenced Mar 24, 2022
Condition of Sample Extracted into two 10-L air sampling bags

| Stack Description | | | | | | | | | |
|---------------------|---------|------|-------------------|--------|----|-----------------------|------|--------|--|
| Ambient Pressure | 758 | mmHg | Diameter | 0.30 | m | Oxygen | 20.9 | % | |
| Ambient Temperature | 30.0 | °C | Shape | Circle | | Carbon Dioxide | 0.0 | % | |
| Type of Process | Process | | Stack Temperature | 42.0 | °C | Gas Velocity | 2.2 | m/s | |
| Type of Fuel | - | | Moisture | 2.25 | % | Flow Rate (Actual O2) | 527 | Nm3/hr | |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------|---------------------|------|-----|-----------|--------|--|------------------|
| Air Testing | | | | | | | |
| Total Hydrocarbon as Propane | 02:45 PM - 03:15 PM | ppm | - | 0.4 | 204 | Total Hydrocarbon Analyser, Based on US EPA Method 25A | Anyong |

Sampled By : Tinnakorn Kulchart

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

Approved by

*Thanitak*Thanika Kulchartwong
Scientist (4)

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S:\Reports\Air_Spec_ML_25A (21464)

ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227789
Date Received : Mar 23, 2022
Date Reported : Apr 01, 2022
Report Number: 2227789-1

Page 1 of 1

| Sample Description | Air Quality |
|--------------------|--|
| Location | anythasakunwong (GPS 47P 0735179, 1405800) |
| Parameter | Nitrogen dioxide (ppm) |
| Measurement Date | Mar 21, 2022 - Mar 28, 2022 |
| Measurement by | Adisak Teleson |

| Time | 2227789-1 | 2227789-2 | 2227789-3 | 2227789-4 | 2227789-5 | 2227789-6 | 2227789-7 |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Mar 21, 2022 | Mar 22, 2022 | Mar 23, 2022 | Mar 24, 2022 | Mar 25, 2022 | Mar 26, 2022 | Mar 27, 2022 |
| 10:00 AM - 11:00 AM | 0.004 | 0.004 | 0.004 | 0.004 | 0.005 | 0.006 | 0.004 |
| 11:00 AM - 12:00 PM | 0.004 | 0.004 | 0.004 | 0.004 | 0.006 | 0.010 | 0.005 |
| 12:00 PM - 01:00 PM | 0.004 | 0.004 | 0.005 | 0.005 | 0.007 | 0.013 | 0.005 |
| 01:00 PM - 02:00 PM | 0.005 | 0.004 | 0.005 | 0.005 | 0.009 | 0.010 | 0.005 |
| 02:00 PM - 03:00 PM | 0.005 | 0.004 | 0.004 | 0.011 | 0.006 | 0.008 | 0.005 |
| 03:00 PM - 04:00 PM | 0.005 | 0.004 | 0.004 | 0.009 | 0.005 | 0.008 | 0.005 |
| 04:00 PM - 05:00 PM | 0.005 | 0.005 | 0.005 | 0.007 | 0.005 | 0.006 | 0.007 |
| 05:00 PM - 06:00 PM | 0.005 | 0.005 | 0.005 | 0.011 | 0.005 | 0.007 | 0.006 |
| 06:00 PM - 07:00 PM | 0.006 | 0.006 | 0.007 | 0.006 | 0.006 | 0.008 | 0.007 |
| 07:00 PM - 08:00 PM | 0.004 | 0.004 | 0.006 | 0.006 | 0.009 | 0.009 | 0.007 |
| 08:00 PM - 09:00 PM | 0.006 | 0.004 | 0.004 | 0.006 | 0.005 | 0.011 | 0.008 |
| 09:00 PM - 10:00 PM | 0.006 | 0.005 | 0.003 | 0.003 | 0.005 | 0.010 | 0.007 |
| 10:00 PM - 11:00 PM | 0.005 | 0.004 | 0.003 | 0.017 | 0.005 | 0.009 | 0.006 |
| 11:00 PM - 12:00 AM | 0.004 | 0.006 | 0.003 | 0.015 | 0.005 | 0.009 | 0.005 |
| 12:00 AM - 01:00 AM | 0.004 | 0.004 | 0.004 | 0.011 | 0.005 | 0.010 | 0.006 |
| 01:00 AM - 02:00 AM | 0.004 | 0.006 | 0.004 | 0.010 | 0.009 | 0.009 | 0.008 |
| 02:00 AM - 03:00 AM | 0.004 | 0.009 | 0.005 | 0.006 | 0.013 | 0.006 | 0.006 |
| 03:00 AM - 04:00 AM | 0.003 | 0.004 | 0.005 | 0.005 | 0.005 | 0.007 | 0.006 |
| 04:00 AM - 05:00 AM | 0.004 | 0.003 | 0.003 | 0.005 | 0.006 | 0.007 | 0.005 |
| 05:00 AM - 06:00 AM | 0.004 | 0.003 | 0.006 | 0.005 | 0.006 | 0.008 | 0.005 |
| 06:00 AM - 07:00 AM | 0.004 | 0.003 | 0.004 | 0.005 | 0.005 | 0.005 | 0.004 |
| 07:00 AM - 08:00 AM | 0.003 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.004 |
| 08:00 AM - 09:00 AM | 0.003 | 0.004 | 0.004 | 0.005 | 0.005 | 0.004 | 0.004 |
| 09:00 AM - 10:00 AM | 0.003 | 0.004 | 0.004 | 0.005 | 0.006 | 0.004 | 0.004 |
| Average | 0.004 | 0.005 | 0.004 | 0.007 | 0.006 | 0.008 | 0.006 |
| 1hr - Maximum | 0.006 | 0.009 | 0.008 | 0.017 | 0.017 | 0.013 | 0.008 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

Approved by

Sarat Mongkolsriwatt
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22277818
Date Received : Mar 28, 2022
Date Reported : Apr 01, 2022
Report Number: 22277818-1

Page 1 of 2

| | | | | | | | |
|---------------|--|--|--|--|--|--|--|
| Sample Number | 2227818-1 to 7 | | | | | | |
| Parameter | Wind Speed / Wind Direction | | | | | | |
| Location | anythasakunwong (GPS 47P 0735179, 1405800) | | | | | | |
| Sampling Date | Mar 21 - Mar 28, 2022 | | | | | | |
| Sampling by | Adisak Teleson | | | | | | |

| Time | Mar 21 - Mar 22, 2022 | | Mar 22 - Mar 23, 2022 | | Mar 23 - Mar 24, 2022 | | Mar 24 - Mar 25, 2022 | | Mar 25 - Mar 26, 2022 | | Mar 26 - Mar 27, 2022 | | Mar 27 - Mar 28, 2022 | |
|---------------------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|
| | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) |
| 10:00 AM - 11:00 AM | 2.4 | 199.0 SSW | 0.8 | 216.0 SW | 0.6 | 133.0 SE | 2.0 | 194.0 SSW | 3.7 | 212.0 SSW | 0.8 | 222.0 SW | 3.1 | 255.0 WHW |
| 11:00 AM - 12:00 PM | 1.2 | 185.0 S | 2.8 | 219.0 SW | 0.6 | 116.0 ESE | 3.9 | 118.0 ESE | 1.7 | 239.0 WSW | 1.6 | 234.0 SW | 3.3 | 219.0 SW |
| 12:00 PM - 01:00 PM | 2.5 | 217.0 SW | 1.8 | 197.0 SSW | 1.1 | 284.0 WHW | 1.6 | 231.0 SW | 1.1 | 192.0 SSW | 2.8 | 255.0 WSW | 1.1 | 227.0 SW |
| 01:00 PM - 02:00 PM | 0.8 | 191.0 S | 2.8 | 262.0 SSW | 1.2 | 163.0 SSE | 2.8 | 224.0 SW | 2.5 | 155.0 SSE | 0.8 | 147.0 SSE | 2.2 | 245.0 WSW |
| 02:00 PM - 03:00 PM | 1.4 | 209.0 SSW | 0.6 | 231.0 SW | 2.1 | 199.0 SSW | 0.5 | 239.0 WSW | 1.0 | 230.0 SW | 1.5 | 176.0 S | 1.5 | 218.0 SW |
| 03:00 PM - 04:00 PM | 1.3 | 212.0 SSW | 1.9 | 174.0 S | 1.0 | 164.0 SSE | 0.6 | 243.0 WSW | 1.2 | 197.0 SSW | 1.0 | 238.0 WSW | 1.7 | 240.0 WSW |
| 04:00 PM - 05:00 PM | 0.7 | 172.0 S | 0.2 | - | 0.9 | 200.0 SSW | 0.0 | - | 2.2 | 206.0 SSW | 0.4 | 231.0 SW | 1.9 | 166.0 SSW |
| 05:00 PM - 06:00 PM | 0.2 | - | 0.2 | 200.0 SSW | 0.0 | - | 1.1 | 168.0 SSE | 0.2 | - | 0.8 | 215.0 WSW | 0.7 | 216.0 SW |
| 06:00 PM - 07:00 PM | 0.3 | 206.0 SSW | 0.5 | 159.0 ESE | 0.3 | 175.0 S | 0.8 | 203.0 SSW | 0.3 | 211.0 SSW | 0.6 | 220.0 SW | 0.7 | 231.0 SW |
| 07:00 PM - 08:00 PM | 0.5 | 186.0 S | 0.6 | 221.0 SW | 0.3 | 172.0 S | 0.7 | 193.0 SSW | 2.1 | 233.0 SW | 0.0 | - | 0.8 | 203.0 SSW |
| 08:00 PM - 09:00 PM | 0.5 | 224.0 SW | 0.4 | 224.0 SW | 0.4 | 204.0 SSW | 0.3 | 179.0 S | 0.0 | - | 0.0 | - | 0.1 | - |
| 09:00 PM - 10:00 PM | 1.2 | 224.0 SW | 0.4 | 211.0 NW | 0.5 | 244.0 WSW | 0.6 | 178.0 S | 1.8 | 221.0 SW | 0.5 | 203.0 SSW | 0.0 | - |
| 10:00 PM - 11:00 PM | 1.1 | 234.0 SW | 0.7 | 186.0 S | 0.2 | 263.0 W | 0.5 | 193.0 SSW | 2.0 | 251.0 WSW | 0.5 | 200.0 SSW | 0.5 | 192.0 SSW |
| 11:00 PM - 12:00 AM | 2.3 | 198.0 ESE | 0.0 | - | 0.6 | 287.0 WHW | 0.3 | 138.0 SE | 2.2 | 243.0 SW | 0.9 | 200.0 SSW | 1.1 | 190.0 S |
| 12:00 AM - 01:00 AM | 4.1 | 171.0 S | 0.0 | - | 0.2 | - | 0.4 | 128.0 SE | 0.2 | - | 0.6 | 191.0 S | 0.2 | - |
| 01:00 AM - 02:00 AM | 0.5 | 171.0 S | 0.2 | 133.0 SE | 0.5 | 181.0 S | 1.5 | 113.0 ESE | 0.9 | 215.0 SW | 0.6 | 215.0 SW | 0.7 | 190.0 S |
| 02:00 AM - 03:00 AM | 0.3 | 235.0 SW | 0.6 | 133.0 SE | 1.8 | 119.0 ESE | 1.4 | 116.0 ESE | 0.7 | 198.0 SSW | 0.2 | - | 0.3 | 174.0 S |
| 03:00 AM - 04:00 AM | 2.0 | 221.0 SW | 0.9 | 104.0 ESE | 2.6 | 119.0 ESE | 0.3 | 116.0 ESE | 0.0 | - | 1.1 | 218.0 SW | 0.5 | 195.0 SSW |
| 04:00 AM - 05:00 AM | 0.5 | 210.0 SW | 0.5 | 164.0 ESE | 2.2 | 120.0 ESE | 0.0 | - | 0.3 | 174.0 S | 0.6 | 180.0 S | 0.6 | 168.0 SSE |
| 05:00 AM - 06:00 AM | 0.0 | - | 1.3 | 254.0 N | 0.0 | - | 0.0 | - | 0.5 | 274.0 W | 0.4 | 178.0 S | 0.3 | 111.6 ESE |
| 06:00 AM - 07:00 AM | 1.4 | 244.0 WSW | 0.0 | - | 0.4 | 145.0 SE | 1.0 | 181.0 S | 0.0 | - | 1.0 | 232.0 SW | 0.3 | 106.6 ESE |
| 07:00 AM - 08:00 AM | 0.3 | 175.0 S | 1.3 | 132.0 SE | 2.9 | 208.0 SSW | 1.5 | 203.0 SSW | 0.9 | 178.0 S | 1.8 | 218.0 SW | 1.1 | 191.0 SSW |
| 08:00 AM - 09:00 AM | 2.3 | 233.0 SW | 0.0 | - | 0.6 | 280.0 W | 1.4 | 221.0 SW | 1.6 | 245.0 WSW | 1.2 | 127.0 SE | 0.3 | 161.0 SSE |
| 09:00 AM - 10:00 AM | 1.6 | 224.0 SW | 0.0 | - | 1.7 | 201.8 SSW | 0.7 | 198.0 S | 1.0 | 213.0 SSW | 0.9 | 204.0 SSW | 0.5 | 172.0 S |

Reference Method : Cup Anemometer & Anodized Aluminum Vane Method

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227789
Date Received : Mar 28, 2022
Date Reported : Apr 01, 2022
Report Number: 2227789-1

Page 1 of 1

| Sample Description | Air Quality |
|--------------------|--|
| Location | anythasakunwong (GPS 47P 0735179, 1405800) |
| Parameter | Nitrogen dioxide (ppm) |
| Measurement Date | Mar 21, 2022 - Mar 28, 2022 |
| Measurement by | Adisak Teleson |

| Time | 2227789-8 | 2227789-9 | 2227789-10 | 2227789-11 | 2227789-12 | 2227789-13 | 2227789-14 |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Mar 21, 2022 | Mar 22, 2022 | Mar 23, 2022 | Mar 24, 2022 | Mar 25, 2022 | Mar 26, 2022 | Mar 27, 2022 |
| 08:00 AM - 09:00 AM | 0.007 | 0.004 | 0.002 | <0.001 | <0.001 | 0.002 | 0.002 |
| 09:00 AM - 10:00 AM | 0.007 | 0.003 | 0.003 | 0.002 | <0.001 | 0.003 | 0.001 |
| 10:00 AM - 11:00 AM | 0.004 | 0.002 | 0.002 | <0.001 | <0.001 | 0.004 | 0.001 |
| 11:00 AM - 12:00 PM | 0.003 | 0.002 | <0.001 | 0.002 | <0.001 | 0.004 | 0.002 |
| 12:00 PM - 01:00 PM | 0.003 | 0.002 | <0.001 | 0.005 | 0.001 | 0.004 | 0.002 |
| 01:00 PM - 02:00 PM | 0.005 | 0.003 | <0.001 | 0.004 | 0.003 | 0.003 | 0.004 |
| 02:00 PM - 03:00 PM | 0.006 | 0.003 | 0.003 | 0.004 | 0.002 | 0.002 | 0.004 |
| 03:00 PM - 04:00 PM | 0.003 | 0.003 | 0.002 | 0.002 | 0.003 | 0.002 | 0.004 |
| 04:00 PM - 05:00 PM | 0.003 | 0.003 | 0.001 | 0.002 | 0.006 | 0.002 | 0.003 |
| 05:00 PM - 06:00 PM | 0.003 | 0.002 | 0.002 | 0.002 | 0.003 | 0.002 | 0.003 |
| 06:00 PM - 07:00 PM | 0.010 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 |
| 07:00 PM - 08:00 PM | 0.011 | 0.004 | 0.001 | 0.001 | <0.001 | 0.003 | 0.002 |
| 08:00 PM - 09:00 PM | 0.012 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |
| 09:00 PM - 10:00 PM | 0.009 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 |
| 10:00 PM - 11:00 PM | 0.007 | 0.003 | 0.001 | 0.002 | 0.012 | 0.002 | 0.002 |
| 11:00 PM - 12:00 AM | 0.005 | 0.004 | 0.002 | 0.003 | 0.002 | 0.002 | 0.005 |
| 12:00 AM - 01:00 AM | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 |
| 01:00 AM - 02:00 AM | 0.004 | 0.006 | 0.002 | 0.002 | 0.003 | 0.005 | 0.002 |
| 02:00 AM - 03:00 AM | 0.002 | 0.005 | 0.001 | <0.001 | 0.005 | 0.007 | 0.003 |
| 03:00 AM - 04:00 AM | 0.002 | 0.001 | 0.002 | <0.001 | 0.004 | 0.002 | 0.006 |
| 04:00 AM - 05:00 AM | 0.002 | 0.001 | 0.003 | <0.001 | 0.006 | 0.003 | 0.007 |
| 05:00 AM - 06:00 AM | 0.002 | 0.002 | 0.002 | 0.001 | 0.006 | 0.002 | 0.005 |
| 06:00 AM - 07:00 AM | 0.002 | 0.003 | 0.001 | 0.002 | 0.006 | 0.002 | 0.006 |
| 07:00 AM - 08:00 AM | 0.004 | 0.002 | <0.001 | 0.002 | 0.003 | 0.002 | 0.006 |
| Average | 0.005 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 |
| 1hr - Maximum | 0.012 | 0.006 | 0.003 | 0.005 | 0.012 | 0.007 | 0.007 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

Approved by

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ALS REPORT_AIR_SCH002.qxd (5.00PM)

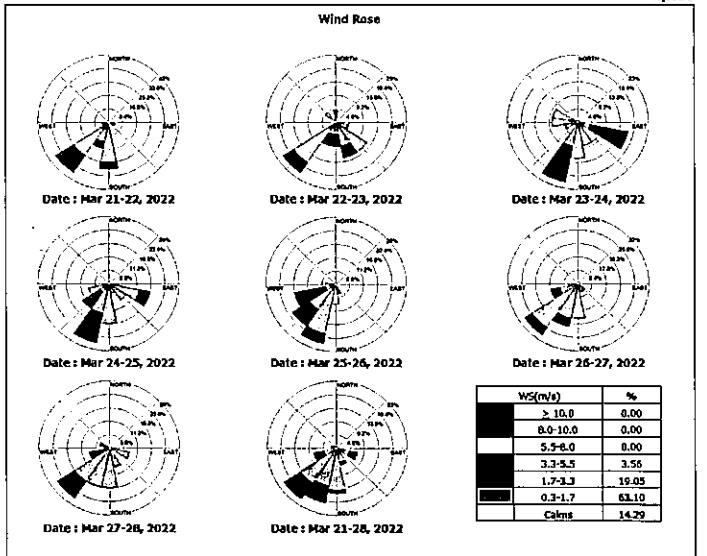


Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 22277818
Date Received : Mar 28, 2022
Date Reported : Apr 01, 2022
Report Number: 22277818-1

Page 2 of 2



Approved by

Sarayuth Jitranont
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 2227818
Date Received : Mar 28, 2022
Date Reported : Apr 01, 2022
Report Number : 2247152-1

Page 1 of 2

| | | | | | | | | | | | | | | | | |
|---------------------|---|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-------|-------|
| Sample Number | 22Z/0158-15 14 | | | | | | | | | | | | | | | |
| Parameter | Wind Speed / Wind Direction | | | | | | | | | | | | | | | |
| Location | gu10kr01r1 54W529000 (GPS 497 0758177, 1405679) | | | | | | | | | | | | | | | |
| Sampling Date | Mar 21 - Mar 28, 2022 | | | | | | | | | | | | | | | |
| Sampling by | Adisak Telesoon | | | | | | | | | | | | | | | |
| Time | Mar 21 - Mar 22, 2022 | | Mar 22 - Mar 23, 2021 | | Mar 23 - Mar 24, 2022 | | Mar 24 - Mar 25, 2023 | | Mar 25 - Mar 26, 2022 | | Mar 26 - Mar 27, 2022 | | Mar 27 - Mar 28, 2023 | | | |
| | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | | |
| 08:00 AM - 09:00 AM | 0.8 | 60.0 | EHE | 0.8 | 152.0 | SSE | 2.5 | 315.0 | NW | 0.8 | 149.0 | DSE | 0.7 | 213.0 | | |
| 09:00 AM - 10:00 AM | 0.5 | 62.0 | EHE | 0.2 | - | - | 2.4 | 114.0 | ESE | 2.0 | 101.0 | SSW | 0.4 | 150.0 | | |
| 10:00 AM - 11:00 AM | 0.0 | - | - | - | 0.2 | 135.0 | SE | 1.3 | 36.0 | NE | 1.1 | 155.0 | SSE | 3.1 | 240.0 | |
| 11:00 AM - 12:00 PM | 0.6 | 297.0 | SSW | 0.6 | 177.0 | S | 0.3 | 222.0 | NW | 1.8 | 200.0 | SSW | 1.2 | 228.0 | | |
| 12:00 PM - 01:00 PM | 1.9 | 217.0 | SW | 0.9 | 185.0 | S | 1.0 | 29.0 | E | 1.2 | 243.0 | WSW | 0.8 | 236.0 | | |
| 01:00 PM - 02:00 PM | 0.3 | 171.0 | S | 0.0 | - | - | - | - | 1.0 | 234.0 | SW | 1.3 | 211.0 | SSW | 2.3 | 242.0 |
| 02:00 PM - 03:00 PM | 0.6 | 256.0 | WSW | 0.3 | 243.0 | WSW | 1.4 | 245.0 | WSW | 0.8 | 203.0 | SSW | 0.3 | 214.0 | | |
| 03:00 PM - 04:00 PM | 0.6 | 148.0 | SSE | 0.3 | 259.0 | W | 0.5 | 221.0 | SW | 0.3 | 179.0 | S | 0.1 | - | | |
| 04:00 PM - 05:00 PM | 0.3 | 73.0 | EHE | 0.6 | 179.0 | S | 0.6 | 228.0 | SW | 0.5 | 262.0 | W | 0.3 | 192.0 | | |
| 05:00 PM - 06:00 PM | 0.2 | - | - | 0.3 | 155.0 | SSE | 0.0 | - | - | 0.6 | 142.0 | SE | 0.3 | 254.0 | | |
| 06:00 PM - 07:00 PM | 0.5 | 238.0 | WSW | 0.4 | 228.0 | SW | 0.0 | - | - | 0.6 | 256.0 | WSW | 0.3 | 250.0 | | |
| 07:00 PM - 08:00 PM | 1.4 | 359.0 | N | 0.6 | 150.0 | SSE | 0.0 | - | - | 0.3 | 256.0 | WSW | 0.0 | - | | |
| 08:00 PM - 09:00 PM | 4.1 | 91.0 | E | 0.3 | 272.0 | W | 0.6 | 65.0 | EHE | 1.0 | 234.0 | SW | 0.0 | - | | |
| 09:00 PM - 10:00 PM | 3.4 | 61.0 | EHE | 0.0 | - | - | 0.6 | 28.0 | NNE | 0.0 | - | - | 0.7 | 262.0 | | |
| 10:00 PM - 11:00 PM | 0.3 | 141.0 | SE | 0.9 | 213.0 | NW | 0.3 | 317.0 | NW | 0.5 | 231.0 | NW | 0.4 | 206.0 | | |
| 11:00 PM - 12:00 AM | 0.3 | 149.0 | SSE | 0.4 | 119.0 | ESE | 0.7 | 345.0 | NW | 0.0 | - | - | 0.8 | 310.0 | | |
| 12:00 AM - 01:00 AM | 0.6 | 146.0 | SE | 0.6 | 294.0 | WNW | 1.1 | 348.0 | NW | 0.3 | 68.0 | ESE | 0.8 | 151.0 | | |
| 01:00 AM - 02:00 AM | 0.5 | 227.0 | SW | 0.0 | - | - | 1.2 | 278.0 | W | 0.8 | 30.0 | NE | 0.5 | 229.0 | | |
| 02:00 AM - 03:00 AM | 0.3 | 197.0 | SSW | 0.3 | 211.0 | SSW | 1.2 | 214.0 | SW | 0.6 | 60.0 | ESE | 0.3 | 189.0 | | |
| 03:00 AM - 04:00 AM | 0.1 | - | - | 1.9 | 251.0 | WSW | 3.5 | 256.0 | WSW | 0.0 | - | - | 0.5 | 284.0 | | |
| 04:00 AM - 05:00 AM | 1.0 | 68.0 | ESE | 1.7 | 272.0 | W | 0.8 | 254.0 | WSW | 0.3 | - | - | 0.3 | 222.0 | | |
| 05:00 AM - 06:00 AM | 1.9 | 128.0 | SE | 0.3 | 138.0 | SE | 0.9 | 254.0 | WSW | 0.7 | 106.0 | ESE | 1.0 | 27.0 | | |
| 06:00 AM - 07:00 AM | 0.3 | 174.0 | S | 0.5 | 144.0 | SE | 0.0 | - | - | 0.4 | 268.0 | W | 1.0 | 311.0 | | |
| 07:00 AM - 08:00 AM | 0.5 | 143.0 | SE | 2.3 | 67.0 | EHE | 0.5 | 223.0 | SW | 0.4 | 151.0 | SSE | 0.0 | - | | |

Reference Method : Cup Anemometer & Anemometer Vane Method

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Approved by

Saravuth Jitramont
Assistant General Manager

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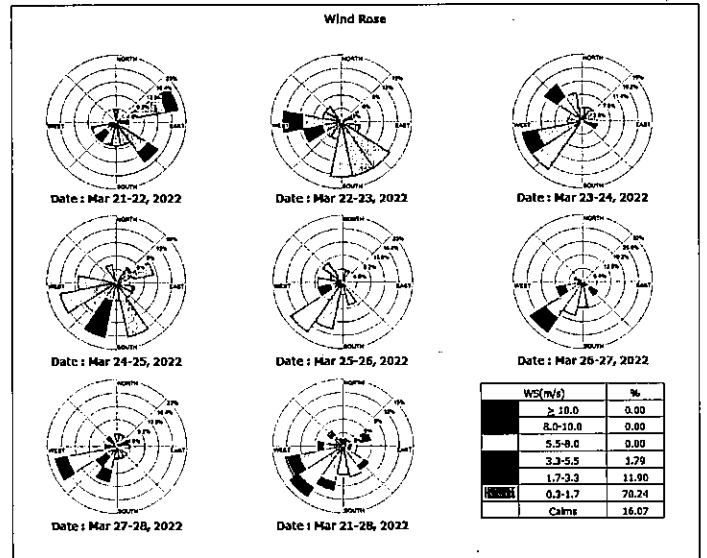


Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 2227818
Date Received : Mar 28, 2022
Date Reported : Apr 01, 2022
Report Number : 2247152-1

Page 2 of 2



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Saravuth Jitramont
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
75 Sd Rukha The White Group Building 2, Sukhumvit 42, Prakanong, Klongtoey, Bangkok Thailand 10110
P/O : 4503189460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 2227918
Date Received : Mar 28, 2022
Date Reported : Apr 06, 2022
Report Number : 2267603-1C5

Page 1 of 1

| Time | 2227918-1 Mar 21, 2022 | | 2227918-2 Mar 22, 2022 | | 2227918-3 Mar 23, 2022 | | 2227918-4 Mar 24, 2022 | | 2227918-5 Mar 25, 2022 | | 2227918-6 Mar 26, 2022 | | 2227918-7 Mar 27, 2022 | |
|------------------------|---------------------------|----------|---------------------------|----------|---------------------------|----------|---------------------------|----------|---------------------------|----------|---------------------------|----------|---------------------------|----------|
| | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) |
| 11:00 AM - 12:00 PM | 0.004 | 0.005 | 0.007 | 0.003 | 0.003 | 0.004 | 0.004 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| 12:00 PM - 01:00 PM | 0.002 | 0.004 | 0.005 | 0.004 | 0.005 | 0.004 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| 01:00 PM - 02:00 PM | 0.002 | 0.003 | 0.006 | 0.005 | 0.005 | 0.004 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| 02:00 PM - 03:00 PM | 0.003 | 0.004 | 0.005 | 0.004 | 0.005 | 0.004 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| 03:00 PM - 04:00 PM | 0.003 | 0.003 | 0.007 | 0.006 | 0.006 | 0.003 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| 04:00 PM - 05:00 PM | 0.004 | 0.004 | 0.006 | 0.005 | 0.005 | 0.004 | 0.007 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| 05:00 PM - 06:00 PM | 0.005 | 0.003 | 0.010 | 0.005 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| 06:00 PM - 07:00 PM | 0.007 | 0.004 | 0.008 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| 07:00 PM - 08:00 PM | 0.008 | 0.010 | 0.012 | 0.008 | 0.010 | 0.011 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| 08:00 PM - 09:00 PM | 0.006 | 0.010 | 0.011 | 0.008 | 0.010 | 0.009 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| 09:00 PM - 10:00 PM | 0.004 | 0.006 | 0.009 | 0.008 | 0.008 | 0.007 | 0.007 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| 10:00 PM - 11:00 PM | 0.004 | 0.005 | 0.007 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| 11:00 PM - 12:00 AM | 0.003 | 0.005 | 0.004 | 0.006 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 12:00 AM - 01:00 AM | 0.002 | 0.004 | 0.006 | 0.004 | 0.004 | 0.003 | 0.009 | 0.004 | 0.003 | 0.006 | 0.003 | 0.009 | 0.004 | 0.004 |
| 01:00 AM - 02:00 AM | 0.002 | 0.003 | 0.009 | 0.004 | 0.004 | 0.003 | 0.006 | 0.003 | 0.006 | 0.003 | 0.006 | 0.003 | 0.006 | 0.003 |
| 02:00 AM - 03:00 AM | 0.003 | 0.005 | 0.008 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 03:00 AM - 04:00 AM | 0.003 | 0.005 | 0.008 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 04:00 AM - 05:00 AM | 0.002 | 0.004 | 0.008 | 0.006 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 AM - 06:00 AM | 0.003 | 0.005 | 0.005 | 0.005 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 06:00 AM - 07:00 AM | 0.005 | 0.005 | 0.006 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| 07:00 AM - 08:00 AM | 0.010 | 0.009 | 0.006 | 0.005 | 0.010 | 0.009 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| 08:00 AM - 09:00 AM | 0.007 | 0.014 | 0.006 | 0.008 | 0.010 | 0.011 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| 09:00 AM - 10:00 AM | 0.004 | 0.006 | 0.006 | 0.005 | 0.005 | 0.010 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| 10:00 AM - 11:00 AM | 0.004 | 0.007 | 0.004 | 0.004 | 0.004 | 0.011 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Average | 0.004 | 0.006 | 0.007 | 0.006 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| 1hr - Maximum | 0.010 | 0.014 | 0.012 | 0.006 | 0.010 | 0.011 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
75 Sd Rukha The White Group Building 2, Sukhumvit 42, Prakanong, Klongtoey, Bangkok Thailand 10110
P/O : 4503189460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 2227924
Date Received : Mar 28, 2022
Date Reported : Apr 06, 2022
Report Number : 2267610-1C5

Page 1 of 1

| | | | | | | | | | | | | | | |
|------------------------|--------------------------------------|-------|---------------------------|--------|---------------------------|-------|---------------------------|-------|---------------------------|-------|---------------------------|-------|---------------------------|-------|
| Sample Description | Air Quality | | | | | | | | | | | | | |
| Location | Mwanumbwa (GPS 47P 0735346, 1406708) | | | | | | | | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | | | | | | | | |
| Measurement Date | Mar 21, 2022 - Mar 28, 2022 | | | | | | | | | | | | | |
| Measurement by | Adak Tleson | | | | | | | | | | | | | |
| Time | 2227924-1 Mar 21, 2022 | | 2227924-2 Mar 22, 2022 | | 2227924-3 Mar 23, 2022 | | 2227924-4 Mar 24, 2022 | | 2227924-5 Mar 25, 2022 | | 2227924-6 Mar 26, 2022 | | 2227924-7 Mar 27, 2022 | |
| 09:00 AM - 10:00 AM | 0.005 | 0.002 | 0.004 | 0.010 | 0.012 | 0.002 | 0.004 | 0.012 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 |
| 10:00 AM - 11:00 AM | 0.006 | 0.001 | 0.002 | 0.010 | 0.006 | 0.002 | 0.002 | 0.006 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 |
| 11:00 AM - 12:00 PM | 0.008 | 0.002 | 0.007 | 0.014 | 0.004 | 0.004 | 0.004 | 0.004 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 12:00 PM - 01:00 PM | 0.003 | 0.002 | 0.005 | 0.024 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 01:00 PM - 02:00 PM | 0.002 | 0.002 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00 PM - 03:00 PM | 0.001 | 0.003 | 0.003 | 0.005 | 0.004 | 0.004 | 0.004 | 0.004 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.002 |
| 03:00 PM - 04:00 PM | 0.003 | 0.002 | 0.004 | 0.015 | 0.004 | 0.002 | 0.004 | 0.002 | 0.004 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 |
| 04:00 PM - 05:00 PM | 0.001 | 0.002 | 0.002 | 0.003 | 0.013 | 0.003 | 0.003 | 0.013 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.005 |
| 05:00 PM - 06:00 PM | 0.001 | 0.002 | 0.002 | 0.003 | 0.006 | 0.006 | 0.006 | 0.006 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 |
| 06:00 PM - 07:00 PM | 0.001 | 0.004 | 0.002 | 0.002 | 0.005 | 0.002 | 0.005 | 0.005 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 07:00 PM - 08:00 PM | 0.001 | 0.002 | 0.013 | 0.003 | 0.008 | 0.008 | 0.008 | 0.008 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 |
| 08:00 PM - 09:00 PM | 0.001 | 0.002 | 0.001 | 0.006 | 0.005 | 0.005 | 0.005 | 0.005 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 |
| 09:00 PM - 10:00 PM | 0.001 | 0.002 | 0.003 | 0.002 | 0.005 | 0.002 | 0.005 | 0.005 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 10:00 PM - 11:00 PM | 0.001 | 0.002 | 0.008 | 0.002 | 0.004 | 0.002 | 0.004 | 0.002 | 0.004 | 0.002 | 0.004 | 0.002 | 0.004 | 0.004 |
| 11:00 PM - 12:00 AM | 0.001 | 0.002 | 0.004 | 0.001 | 0.005 | 0.005 | 0.005 | 0.005 | 0.002 | 0.002 | 0.002 | 0.002 | 0.005 | 0.005 |
| 12:00 AM - 01:00 AM | 0.002 | 0.002 | 0.006 | <0.001 | 0.006 | 0.006 | 0.006 | 0.006 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 | 0.004 |
| 01:00 AM - 02:00 AM | 0.002 | 0.003 | 0.007 | <0.001 | 0.006 | 0.006 | 0.006 | 0.006 | 0.002 | 0.002 | 0.002 | 0.002 | 0.006 | 0.006 |
| 02:00 AM - 03:00 AM | 0.001 | 0.004 | 0.007 | 0.004 | 0.007 | 0.004 | 0.007 | 0.004 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 | 0.004 |
| 03:00 AM - 04:00 AM | 0.004 | 0.005 | 0.010 | 0.002 | 0.014 | 0.002 | 0.014 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 04:00 AM - 05:00 AM | 0.002 | 0.009 | 0.004 | 0.003 | 0.009 | 0.003 | 0.009 | 0.003 | 0.009 | 0.003 | 0.009 | 0.003 | 0.002 | 0.002 |
| 05:00 AM - 06:00 AM | 0.007 | 0.011 | 0.005 | 0.005 | 0.012 | 0.005 | 0.012 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.002 | 0.002 |
| 06:00 AM - 07:00 AM | 0.004 | 0.005 | 0.005 | 0.011 | 0.005 | 0.005 | 0.011 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.003 | 0.003 |
| 07:00 AM - 08:00 AM | 0.002 | 0.004 | 0.005 | 0.005 | 0.002 | 0.005 | 0.002 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.002 | 0.002 |
| 08:00 AM - 09:00 AM | 0.003 | 0.004 | 0.006 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 |
| Average | 0.003 | 0.003 | 0.005 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 1hr - Maximum | 0.007 | 0.011 | 0.013 | 0.024 | 0.014 | 0.014 | 0.014 | 0.014 | 0.007 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 |
| Standard 1hr - Average | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 2229813
Date Received : Mar 20, 2022
Date Reported : Apr 01, 2022
Report Number : 2251777-1 CS

Page 1 of 2

Sample Number : 2229813-1 to 7
Parameter : Wind Speed / Wind Direction
Location : อู่เรืออุตสาหกรรม (อุตสาหกรรมอู่เรืออุตสาหกรรม) (GPS 47P 0735531, 1402769)
Sampling Date : Mar 21 - Mar 28, 2022
Sampling by : Adisak Takoon

| Time | Mar 21 - Mar 22, 2021 | | Mar 22 - Mar 23, 2021 | | Mar 23 - Mar 24, 2021 | | Mar 24 - Mar 25, 2021 | | Mar 25 - Mar 26, 2021 | | Mar 26 - Mar 27, 2021 | | Mar 27 - Mar 28, 2021 | | | | | | | | |
|---------------------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-------|-------|-------|-------|-------|-------|-----|
| | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | | | | | | | |
| 11:00 AM - 12:00 PM | 1.3 | 196.0 | SSW | 0.7 | 194.0 | SSW | 0.5 | 97.0 | E | 0.0 | - | 0.4 | 150.0 | SSE | 0.8 | 121.0 | E | 1.5 | 145.0 | SE | |
| 12:00 PM - 01:00 PM | 1.3 | 225.0 | SW | 1.8 | 215.0 | SW | 1.1 | 112.0 | ESE | 3.3 | 180.0 | S | 0.9 | 177.0 | S | 1.8 | 229.0 | SW | 0.8 | 201.0 | SE |
| 01:00 PM - 02:00 PM | 0.3 | 234.0 | SW | 0.5 | 259.0 | W | 1.0 | 126.0 | SE | 0.4 | 158.0 | SSE | 0.8 | 232.0 | SSW | 0.9 | 252.0 | WSW | 1.2 | 141.0 | SE |
| 02:00 PM - 03:00 PM | 0.4 | 283.0 | WNW | 0.3 | 274.0 | W | 0.9 | 172.0 | S | 1.2 | 177.0 | S | 1.2 | 165.0 | SSE | 2.1 | 235.0 | SW | 0.9 | 196.0 | SSW |
| 03:00 PM - 04:00 PM | 1.0 | 229.0 | SW | 0.9 | 201.0 | WNW | 1.6 | 215.0 | SW | 1.6 | 118.0 | ESE | 0.7 | 82.0 | E | 1.0 | 145.0 | SSE | 1.4 | 120.0 | SSW |
| 04:00 PM - 05:00 PM | 0.5 | 291.0 | WNW | 0.7 | 245.0 | WSW | 0.0 | - | 0.3 | 239.0 | WSW | 1.3 | 164.0 | SSE | 1.8 | 203.0 | SSW | 1.2 | 223.0 | SW | |
| 05:00 PM - 06:00 PM | 2.3 | 254.0 | WSW | 0.3 | 223.0 | SW | 0.0 | - | 0.6 | 221.0 | SW | 0.3 | 201.0 | SSW | 0.4 | 211.0 | SSW | 0.3 | 191.0 | S | |
| 06:00 PM - 07:00 PM | 0.4 | 294.0 | WNW | 0.2 | - | 0.5 | 220.0 | SW | 0.6 | 212.0 | SSW | 0.0 | - | 0.3 | 211.0 | SSW | 0.5 | 144.0 | SE | | |
| 07:00 PM - 08:00 PM | 2.2 | 187.0 | S | 0.2 | - | 0.3 | 211.0 | SSW | 0.5 | 193.0 | SSW | 2.0 | 163.0 | SSE | 1.1 | 190.0 | S | 0.4 | 218.0 | SW | |
| 08:00 PM - 09:00 PM | 0.0 | - | 1.0 | 275.0 | W | 0.2 | - | 0.3 | 184.0 | S | 2.2 | 139.0 | SSE | 1.0 | 206.0 | SSW | 0.1 | - | - | - | - |
| 09:00 PM - 10:00 PM | 0.1 | - | 0.2 | - | 0.5 | 255.0 | SSW | 0.2 | 188.0 | S | 0.6 | 180.0 | S | 0.2 | - | - | 1.0 | 173.0 | S | | |
| 10:00 PM - 11:00 PM | 0.7 | 142.0 | SE | 0.4 | 325.0 | NW | 0.3 | 123.0 | SE | 0.2 | - | 1.1 | 260.0 | SSW | 0.1 | - | 0.4 | 159.0 | SSE | | |
| 11:00 PM - 12:00 AM | 0.1 | 203.0 | SSW | 0.3 | 261.0 | W | 0.6 | 210.0 | SSW | 0.2 | - | 1.3 | 207.0 | WSW | 0.1 | - | 0.3 | - | - | - | - |
| 12:00 AM - 01:00 AM | 0.7 | 215.0 | SW | 0.6 | 254.0 | WSW | 0.6 | 210.0 | SSW | 0.4 | 228.0 | SW | 1.2 | 222.0 | SSW | 0.5 | 235.0 | SW | 1.0 | 200.0 | SSW |
| 01:00 AM - 02:00 AM | 0.4 | 220.0 | SW | 0.5 | 282.0 | WNW | 1.1 | 235.0 | SW | 1.2 | 204.0 | SSW | 0.4 | 173.0 | S | 2.7 | 254.0 | WSW | 1.4 | 226.0 | SW |
| 02:00 AM - 03:00 AM | 0.6 | 291.0 | WNW | 0.9 | 214.0 | SW | 2.4 | 213.0 | SSW | 1.3 | 226.0 | SW | 0.5 | - | 0.6 | 212.0 | SSW | - | - | - | - |
| 03:00 AM - 04:00 AM | 0.7 | 255.0 | WSW | 0.8 | 212.0 | SSW | 3.2 | 264.0 | W | 1.8 | 224.0 | SW | 1.2 | 231.0 | SW | 0.2 | - | - | 0.6 | 242.0 | WSW |
| 04:00 AM - 05:00 AM | 0.2 | - | 0.0 | - | 2.6 | 100.0 | E | 2.4 | 224.0 | SW | 0.8 | 233.0 | SW | 0.6 | 197.0 | SSW | - | - | - | - | - |
| 05:00 AM - 06:00 AM | 0.0 | - | 1.2 | 30.0 | NNE | 0.3 | 300.0 | E | 0.3 | 288.0 | WNW | 0.0 | - | 0.0 | - | 0.2 | - | 0.2 | - | - | - |
| 06:00 AM - 07:00 AM | 0.0 | - | 0.0 | - | 0.3 | 236.0 | SW | 0.1 | - | 0.4 | 240.0 | WSW | 0.7 | 118.0 | SE | 0.4 | 63.0 | ENE | - | - | - |
| 07:00 AM - 08:00 AM | 1.5 | 249.0 | WSW | 0.3 | 253.0 | WSW | 0.6 | 143.0 | SE | 0.1 | - | 0.7 | 195.0 | SSW | 1.5 | 201.0 | SSW | 0.8 | - | - | - |
| 08:00 AM - 09:00 AM | 0.4 | 287.0 | WNW | 0.8 | 256.0 | WSW | 0.5 | 158.0 | SSE | 0.2 | 208.0 | SSW | 0.9 | 212.0 | SW | 2.1 | 196.0 | SSW | 0.3 | 274.0 | SW |
| 09:00 AM - 10:00 AM | 1.7 | 266.0 | W | 0.0 | - | 1.2 | 142.0 | SE | 0.9 | 118.0 | ESE | 0.5 | 233.0 | SW | 2.5 | 225.0 | SW | 0.6 | 210.0 | SSW | - |
| 10:00 AM - 11:00 AM | 0.4 | 228.0 | SW | 0.0 | - | 3.3 | 159.0 | SSE | 0.5 | 175.0 | S | 0.8 | 184.0 | S | 0.3 | - | 0.5 | 215.0 | WSW | | |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Saranyth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 2229815
Date Received : Mar 28, 2022
Date Reported : Apr 01, 2022
Report Number : 2251809-1 CS

Page 1 of 2

Sample Number : 2229815-1 to 7
Parameter : Wind Speed / Wind Direction
Location : อู่เรืออุตสาหกรรม (GPS 47P 0735346, 1406705)
Sampling Date : Mar 21 - Mar 28, 2022
Sampling by : Adisak Takoon

| Time | Mar 21 - Mar 22, 2022 | | | Mar 23 - Mar 24, 2022 | | | Mar 25 - Mar 26, 2022 | | | Mar 28 - Mar 29, 2022 | | | Mar 30 - Mar 31, 2022 | | | | | | | | | | |
|---------------------|-----------------------|----------|-----|-----------------------|----------|-----|-----------------------|----------|-------|-----------------------|----------|-------|-----------------------|----------|-------|-------|-------|-------|-------|-------|-----|-----|---|
| | WS (m/s) | WD (deg) | W | WS (m/s) | WD (deg) | W | WS (m/s) | WD (deg) | W | WS (m/s) | WD (deg) | W | WS (m/s) | WD (deg) | W | | | | | | | | |
| 08:00 AM - 09:00 AM | 1.2 | 325.0 | NW | 3.6 | 205.0 | SSW | 0.3 | 210.0 | SSW | 0.2 | - | 0.5 | 232.0 | SW | 1.5 | 278.0 | W | | | | | | |
| 09:00 AM - 10:00 AM | 0.5 | 289.0 | WNW | 4.7 | 207.0 | SSW | 0.2 | - | 1.6 | 145.0 | SE | 0.5 | 234.0 | SW | 2.2 | 238.0 | NHW | | | | | | |
| 10:00 AM - 11:00 AM | 1.3 | 240.0 | WNW | 1.8 | 205.0 | SSW | 2.3 | 195.0 | SSW | 0.3 | 164.0 | SSE | 0.1 | - | 0.7 | - | 1.6 | 214.0 | NW | | | | |
| 11:00 AM - 12:00 PM | 0.0 | - | - | 3.1 | 204.0 | SSW | 0.6 | 147.0 | SSE | 0.8 | 227.0 | SW | 1.3 | 228.0 | SW | 0.4 | 239.0 | SW | 2.3 | 210.0 | NW | | |
| 12:00 PM - 01:00 PM | 0.0 | - | - | 1.8 | 204.0 | SSW | 1.4 | 113.0 | SSE | 0.9 | 227.0 | SW | 0.3 | 223.0 | SW | 0.5 | 234.0 | SW | 2.2 | 271.0 | W | | |
| 01:00 PM - 02:00 PM | 2.6 | 113.0 | SSE | 2.2 | 224.0 | SW | 1.3 | 213.0 | SSW | 1.0 | 214.0 | SW | 0.2 | - | 0.7 | 234.0 | SW | 1.5 | 265.0 | W | | | |
| 02:00 PM - 04:00 PM | 2.5 | 120.0 | ESE | 0.9 | 211.0 | SSW | 1.8 | 211.0 | SSW | 0.2 | - | 0.4 | 222.0 | SW | 0.4 | 185.0 | SSE | 1.2 | 241.0 | WSW | | | |
| 04:00 PM - 05:00 PM | 1.2 | 168.0 | ESE | 0.8 | 155.0 | SSE | 0.6 | 212.0 | SSW | 1.6 | 145.0 | SE | 0.5 | 212.0 | SSW | 0.3 | 154.0 | SSE | 0.6 | 272.0 | SW | | |
| 05:00 PM - 06:00 PM | 2.5 | 222.0 | SW | 0.0 | - | 0.0 | - | 1.5 | 144.0 | SE | 0.8 | 211.0 | SSW | 0.3 | 154.0 | SSE | 0.0 | - | - | - | - | | |
| 06:00 PM - 07:00 PM | 2.7 | 216.0 | SW | 0.0 | - | 0.0 | - | 1.3 | 154.0 | SE | 1.3 | 213.0 | SSW | 0.2 | - | 0.0 | - | - | - | - | | | |
| 07:00 PM - 08:00 PM | 2.2 | 212.0 | SSW | 0.2 | - | 0.6 | 165.0 | SSE | 0.2 | - | 0.8 | 207.0 | SSW | 1.3 | 209.0 | SSW | 0.0 | - | - | - | - | | |
| 08:00 PM - 09:00 PM | 2.6 | 166.0 | SSE | 1.6 | 169.0 | S | 0.3 | 164.0 | SSW | 0.3 | 213.0 | SSW | 0.5 | 117.0 | SE | 0.6 | 206.0 | SSW | 1.2 | 177.0 | S | | |
| 09:00 PM - 10:00 PM | 1.6 | 149.0 | SSE | 1.3 | 107.0 | ESE | 0.3 | 210.0 | SSW | 1.3 | 96.0 | E | 1.1 | 168.0 | S | 0.9 | 128.0 | S | 1.9 | 107.0 | S | | |
| 10:00 PM - 11:00 PM | 0.0 | - | - | 1.5 | 202.0 | SSW | 0.2 | - | 0.2 | - | 1.2 | 96.0 | E | 2.3 | 125.0 | SE | 1.4 | 156.0 | SSE | 0.0 | - | | |
| 11:00 PM - 12:00 AM | 0.0 | - | - | 0.7 | 200.0 | SSW | 0.6 | 122.0 | ESE | 1.5 | 206.0 | SSW | 0.4 | 96.0 | E | 2.6 | 205.0 | SSW | 0.0 | - | - | | |
| 12:00 AM - 01:00 AM | 2.0 | 157.0 | SSW | 1.9 | 203.0 | SSW | 0.3 | 123.0 | ESE | 0.7 | 195.0 | SSW | 2.2 | 96.0 | E | 0.6 | 208.0 | SSW | 2.5 | 211.0 | SSE | | |
| 01:00 AM - 02:00 AM | 1.6 | 194.0 | SSW | 0.6 | 189.0 | S | 0.2 | - | 0.3 | 193.0 | SSW | 0.9 | 196.0 | SSW | 1.5 | 211.0 | SSW | 1.0 | 205.0 | SW | 0.0 | - | |
| 02:00 AM - 03:00 AM | 3.1 | 198.0 | SSW | 0.5 | 198.0 | SSW | 1.3 | 196.0 | SSW | 0.2 | - | 1.0 | 146.0 | S | 2.2 | 203.0 | SSW | 1.8 | 216.0 | SW | 0.0 | - | |
| 03:00 AM - 04:00 AM | 3.3 | 199.0 | SSW | 0.5 | 208.0 | SSW | 1.3 | 201.0 | SSW | 0.7 | 200.0 | SSW | 0.8 | 0.0 | - | 0.0 | - | 2.3 | 215.0 | SW | 0.0 | - | |
| 04:00 AM - 05:00 AM | 3.6 | 197.0 | SSW | 0.3 | 206.0 | SSW | 1.6 | 191.0 | S | 0.5 | 186.0 | S | 0.7 | 162.0 | SSE | 0.0 | - | 2.3 | 201.0 | SSW | 0.0 | - | |
| 05:00 AM - 06:00 AM | 2.8 | 144.0 | SE | 1.4 | 190.0 | S | 0.3 | 135.0 | NHW | 0.4 | 127.0 | SE | 0.3 | 197.0 | SSW | 0.0 | - | 0.0 | - | - | - | - | |
| 06:00 AM - 07:00 AM | 3.0 | 144.0 | SE | 0.4 | 187.0 | S | 0.5 | 208.0 | SSW | 0.1 | - | 1.1 | 197.0 | SSW | 2.0 | 172.0 | S | 0.3 | 148.0 | SSE | 0.0 | - | |
| 07:00 AM - 08:00 AM | 0.0 | - | - | 0.9 | 192.0 | SSW | 1.2 | 217.0 | SW | 0.4 | 237.0 | SSW | 0.5 | 216.0 | SW | 1.3 | 184.0 | S | 0.3 | - | - | - | |
| 08:00 AM - 09:00 AM | 0.0 | - | - | 0.3 | 196.0 | SSW | 3.8 | 217.0 | SW | 0.9 | 233.0 | SW | 0.5 | 215.0 | SW | 1.1 | 186.0 | S | 1.3 | 164.0 | SSE | 0.0 | - |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Saranyth Jitranont
Assistant General Manager

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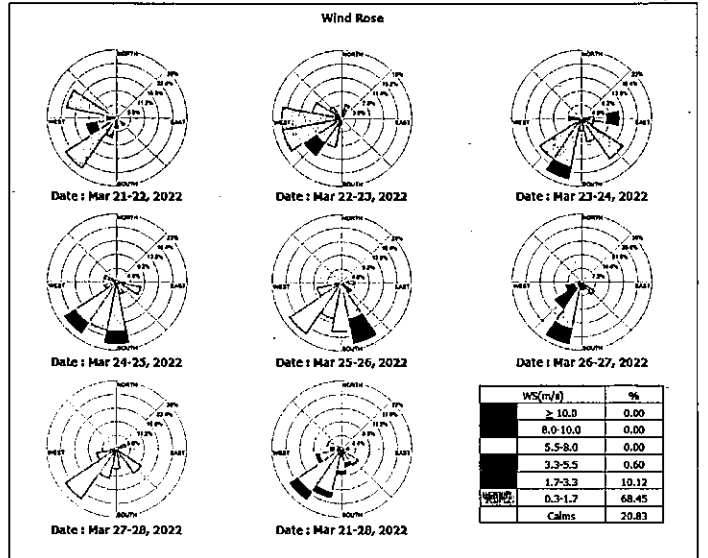


Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 2229813
Date Received : Mar 20, 2022
Date Reported : Apr 01, 2022
Report Number : 2251777-1 CS

Page 2 of 2



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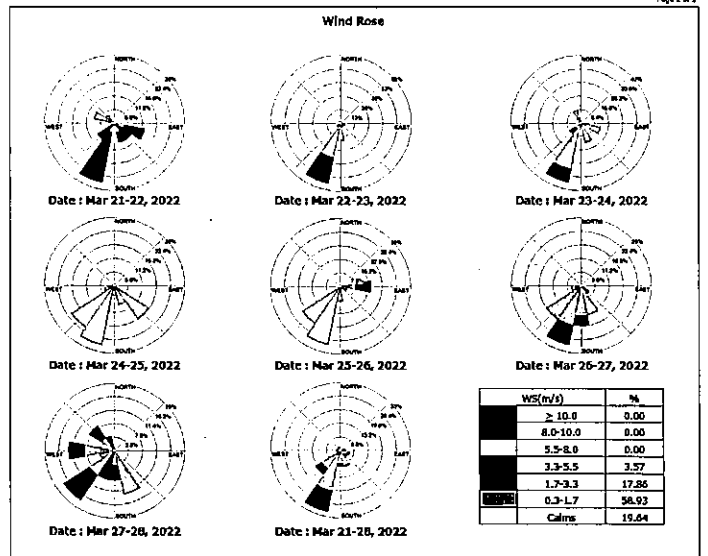


Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 2229815
Date Received : Mar 28, 2022
Date Reported : Apr 01, 2022
Report Number : 2251809-1 CS

Page 2 of 2



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Saranyth Jitranont
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SP)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

Page 1 of 12

Sample Number : 2265575-1
Sampled Date : Jun 01, 2022
Sample Description : Air Quality
Location : หมู่บ้านวัง (โรงงานอุตสาหกรรมและชุมชน) (GPS 47P 0735331, 1402769)
Date Analysis Commenced : Jun 08, 2022
Condition of Sample : Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Methane as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Non-Methane Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Total Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 1.2 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeesampan

Remark :

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that the report is not reproduced except in full.

Approved by

Thanitak.

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5 (Report)_Air_Testing_ML.pdf (4.39KB)

4589-122/ENGL



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SP)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

Page 2 of 12

Sample Number : 2265575-3
Sampled Date : Jun 03, 2022
Sample Description : Air Quality
Location : หมู่บ้านวัง (โรงงานอุตสาหกรรมและชุมชน) (GPS 47P 0735331, 1402769)
Date Analysis Commenced : Jun 08, 2022
Condition of Sample : Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Methane as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Non-Methane Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Total Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeesampan

Remark :

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

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5 (Report)_Air_Testing_ML.pdf (4.39KB)

4589-122/ENGL



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SP)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

Page 2 of 12

Sample Number : 2265575-2
Sampled Date : Jun 02, 2022
Sample Description : Air Quality
Location : หมู่บ้านวัง (โรงงานอุตสาหกรรมและชุมชน) (GPS 47P 0735331, 1402769)
Date Analysis Commenced : Jun 08, 2022
Condition of Sample : Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Methane as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Non-Methane Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Total Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | 1.2 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeesampan

Remark :

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

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5 (Report)_Air_Testing_ML.pdf (4.39KB)

4589-122/ENGL



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SP)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

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Sample Number : 2265575-4
Sampled Date : Jun 01, 2022
Sample Description : Air Quality
Location : หมู่บ้านวัง (GPS 47P 0735346, 1408708)
Date Analysis Commenced : Jun 08, 2022
Condition of Sample : Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Methane as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Non-Methane Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Total Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeesampan

Remark :

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

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| | | | | | | | |
|------------------------------------|--|------|-----|-----------|--------|--------------------------------|------------------|
| Sample Number | 2265575-5 | | | | | | |
| Sampled Date | Jun 02, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | พื้นที่อุตสาหกรรม (GPS 47P 0733346, 1406705) | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Methane as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong C |
| Non-Methane Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong C |
| Total Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong C |

Sampled By : Kantaphon Manesampan

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

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| | | | | | | | |
|------------------------------------|--|------|-----|-----------|--------|--------------------------------|------------------|
| Sample Number | 2265575-6 | | | | | | |
| Sampled Date | Jun 03, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | พื้นที่อุตสาหกรรม (GPS 47P 0733346, 1406705) | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Methane as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong C |
| Non-Methane Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong C |
| Total Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong C |

Sampled By : Kantaphon Manesampan

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

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| | | | | | | | |
|------------------------------------|---|------|-----|-----------|--------|--------------------------------|------------------|
| Sample Number | 2265575-7 | | | | | | |
| Sampled Date | Jun 01, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | เขตอุตสาหกรรมบางนา (GPS 47P 0735179, 1405680) | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Methane as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong C |
| Non-Methane Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.5 | EPA 40 CFR Part 50, Appendix C | Rayong C |
| Total Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 1.3 | EPA 40 CFR Part 50, Appendix C | Rayong C |

Sampled By : Kantaphon Manesampan

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

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| Sample Number | 2265575-8 | | | | | | |
|------------------------------------|--|------|-----|-----------|--------|--------------------------------|------------------|
| Sampled Date | Jun 02, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | พื้นที่อุตสาหกรรม (GPS 47P 0735179, 1405680) | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Methane as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong C |
| Non-Methane Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong C |
| Total Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong C |

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

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| Sample Number | 2265575-9 | | | | | | |
|------------------------------------|---|------|-----|-----------|--------|--------------------------------|------------------|
| Sampled Date | Jun 03, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | จุดวัดที่ 14 Sawtessoo (GPS 47P 0735179, 1408580) | | | | | | |
| Date Analysis Commenced | Jun 06, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Methane as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Non-Methane Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Total Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneesampan

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4989-122 (ENGL)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

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| Sample Number | 2265575-10 | | | | | | |
|------------------------------------|---|------|-----|-----------|--------|--------------------------------|------------------|
| Sampled Date | Jun 01, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | จุดวัดที่ 14 Sawtessoo (GPS 47P 0735177, 1408579) | | | | | | |
| Date Analysis Commenced | Jun 06, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Methane as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Non-Methane Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.5 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Total Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 1.3 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneesampan

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4989-122 (ENGL)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
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P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

Page 11 of 12

| Sample Number | 2265575-11 | | | | | | |
|------------------------------------|---|------|-----|-----------|--------|--------------------------------|------------------|
| Sampled Date | Jun 02, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | จุดวัดที่ 14 Sawtessoo (GPS 47P 0735177, 1408579) | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Methane as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Non-Methane Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Total Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneesampan

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1

Page 12 of 12

| Sample Number | 2265575-12 | | | | | | |
|------------------------------------|---|------|-----|-----------|--------|--------------------------------|------------------|
| Sampled Date | Jun 03, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | จุดวัดที่ 14 Sawtessoo (GPS 47P 0735177, 1408579) | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Methane as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Non-Methane Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |
| Total Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | 0.8 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneesampan

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Analysis / Test Report

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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SP)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C5

Sample Number 2265575-1
Sampled Date Jun 01, 2022
Sample Description Air Quality
Location บ้านฉาง (โรงงานอุตสาหกรรมพลาสติก) (GPS 47P 073531, 1402769)
Date Analysis Commenced Jun 08, 2022
Condition of Sample Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propane | 01/06/22 - 03/06/22 | ppm | - | 0.4 | 0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeasampan

Remark :
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4999-122 (THAI)



Analysis / Test Report

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8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SP)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C5

Sample Number 2265575-2
Sampled Date Jun 01, 2022
Sample Description Air Quality
Location บ้านฉาง (โรงงานอุตสาหกรรมพลาสติก) (GPS 47P 073531, 1402769)
Date Analysis Commenced Jun 08, 2022
Condition of Sample Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeasampan

Remark :
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4999-122 (THAI)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SP)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C5

Sample Number 2265575-2
Sampled Date Jun 02, 2022
Sample Description Air Quality
Location บ้านฉาง (โรงงานอุตสาหกรรมพลาสติก) (GPS 47P 073531, 1402769)
Date Analysis Commenced Jun 08, 2022
Condition of Sample Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeasampan

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

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4999-122 (THAI)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SP)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C5

Sample Number 2265575-4
Sampled Date Jun 01, 2022
Sample Description Air Quality
Location บ้านฉาง (GPS 47P 073534, 1406705)
Date Analysis Commenced Jun 08, 2022
Condition of Sample Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeasampan

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

Approved by

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4999-122 (THAI)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C3

Page 5 of 12

Sample Number 2265575-5
Sample Date Jun 02, 2022
Sample Description Air Quality
Location ชุมชนวนา (GPS 47P 0735346, 1406705)
Date Analysis Commenced Jun 08, 2022
Condition of Sample Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propene | 02/06/22 - 03/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeasampan

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

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4999-122 (EMAIL)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C3

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Sample Number 2265575-6
Sample Date Jun 03, 2022
Sample Description Air Quality
Location ชุมชนวนา (GPS 47P 0735346, 1406705)
Date Analysis Commenced Jun 08, 2022
Condition of Sample Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propene | 03/06/22 - 04/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeasampan

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

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4999-122 (EMAIL)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C3

Page 7 of 12

Sample Number 2265575-7
Sample Date Jun 04, 2022
Sample Description Air Quality
Location ชุมชนวนา (GPS 47P 0735346, 1405880)
Date Analysis Commenced Jun 08, 2022
Condition of Sample Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propene | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.5 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeasampan

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C3

Page 8 of 12

Sample Number 2265575-8
Sample Date Jun 02, 2022
Sample Description Air Quality
Location ชุมชนวนา (GPS 47P 0735346, 1405880)
Date Analysis Commenced Jun 08, 2022
Condition of Sample Drawn into one 10-L air sampling bag

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
|------------------------------------|---------------------|------|-----|-----------|--------|--------------------------------|------------------|
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propene | 02/06/22 - 03/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Maneeasampan

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C5

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| | | | | | | | |
|------------------------------------|---|------|-----|-----------|--------|--------------------------------|------------------|
| Sample Number | 2265575-9 | | | | | | |
| Sampled Date | Jun 03, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | ๔๐๕๖๓๓๐๐๐๐๐๐๐๐๐๐ (GPS 47P 0735177, 1405680) | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Manesampan

Remark :

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C5

Page 10 of 12

| | | | | | | | |
|------------------------------------|--|------|-----|-----------|--------|--------------------------------|------------------|
| Sample Number | 2265575-10 | | | | | | |
| Sampled Date | Jun 01, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | จุดสุ่มเก็บตัวอย่าง (GPS 47P 0735177, 1408570) | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propane | 01/06/22 - 02/06/22 | ppm | - | 0.4 | 0.5 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Manesampan

Remark :

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C5

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| | | | | | | | |
|------------------------------------|--|------|-----|-----------|--------|--------------------------------|------------------|
| Sample Number | 2265575-11 | | | | | | |
| Sampled Date | Jun 02, 2022 | | | | | | |
| Sample Description | Air Quality | | | | | | |
| Location | จุดสุ่มเก็บตัวอย่าง (GPS 47P 0735177, 1408570) | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Air Testing | | | | | | | |
| Non-Methane Hydrocarbon as Propane | 02/06/22 - 03/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong |

Sampled By : Kantaphon Manesampan

Remark :

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2265575
Date Received : Jun 06, 2022
Date Reported : Jun 10, 2022
Report Number : 2326710-1C5

Page 12 of 12

| Sample Number | 2265575-12 | | | | | | | Page 12 of 12 |
|------------------------------------|--|------|-----|-----------|--------|--------------------------------|------------------|---------------|
| Sampled Date | Jun 03, 2022 | | | | | | | |
| Sample Description | Air Quality | | | | | | | |
| Location | จุดสุ่มเก็บตัวอย่าง (GPS 47P 0735177, 1408570) | | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | | |
| Condition of Sample | Drawn into one 10-L air sampling bag | | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location | |
| Air Testing | | | | | | | | |
| Non-Methane Hydrocarbon as Propane | 03/06/22 - 04/06/22 | ppm | - | 0.4 | <0.4 | EPA 40 CFR Part 50, Appendix C | Rayong C | |

Sampled By : Kantaphon Manesampan

Remark :

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

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ภาคผนวก ค-3

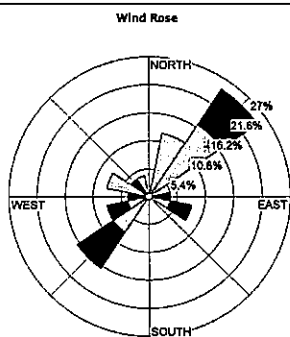
ปริมาณสารอินทรีย์ระเหยในบรรยากาศ (VOCs)

Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 21152247
Date Received : Jan 06, 2022
Date Reported : Jan 14, 2022
Report Number : 2190772-1

Page 2 of 2



Date : Jan 04-05, 2022

| WS(m/s) | % |
|----------|-------|
| > 10.0 | 0.00 |
| 6.0-10.0 | 0.00 |
| 5.5-6.0 | 0.00 |
| 3.3-5.5 | 12.50 |
| 1.7-3.3 | 25.00 |
| 0.3-1.7 | 62.50 |
| | 0.00 |

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Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4503135460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 223629
Date Received : Feb 02, 2022
Date Reported : Feb 15, 2022
Report Number : 2200160-1C5

Page 1 of 3

Page 10 of 12

| Sample Number | Z23629-1 | | | | | | | | |
|-------------------------|---|-------------------|------|-----------|--------------|-----------------|--|-----------|------------------|
| Sampled Date | Feb 01, 2022 | | | | | | | | |
| Sample Description | Air Quality | | | | | | | | |
| Location | Jhumsunmye | | | | | | | | |
| Date Analysis Commenced | Feb 03, 2022 | | | | | | | | |
| Condition of Sample | Drawn into one 6-L Canister and two sorbent tubes, refrigerated | | | | | | | | |
| Barometric Pressure | 758 mmHg | | | | | | | | |
| Atmospheric Temperature | 31.0 °C | | | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOD) | Result | Guideline Limit | Method | Guideline | Testing Location |
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 01/02/22 - 02/01/22 | ug/m ³ | 0.20 | 0.60 | Not Detected | 1100 | Based on US EPA Compendium Method, TO-15 | PCD | Yangon |
| Benzene | 01/02/22 - 02/02/22 | ug/m ³ | 0.05 | 0.16 | 0.83 | 7.6 | Based on US EPA Compendium Method, TO-15 | PCD | Yangon |
| Ethylene Glycol | 01/02/22 - 02/01/22 | ppm | - | 0.10 | <0.10 | No Standard | Based on NIOSH, 5523 | - | Bangkok |
| Hexane | 01/02/22 - 02/02/22 | ug/m ³ | 0.50 | 1.76 | Not Detected | No Standard | Based on US EPA Compendium Method, TO-15 | - | Yangon |
| Propene (Propylene) | 01/02/22 - 02/02/22 | ug/m ³ | 0.30 | 0.86 | 1.72 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Yangon |
| Toluene | 01/02/22 - 02/02/22 | ug/m ³ | 0.50 | 1.84 | 3.24 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Yangon |

Guidelines:
 NEB : Notification of Natural Environment Board, S.E. 2560 (2017)
 NCZ : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 12 dated January 27, S.E. 2552 (2009).
 Note : - Ban Hap To Put Community station has moderate traffic, Normal activity, Nearby school, temple and community.
 Sampled By : Kantaphon Maneeasampen
 Remark :
 - LOD : Limit of Detection
 - "C" : Lower than LOD (Limit of Quantitation) / LOD (Limit of Reporting)

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Dej Changchorn
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Mee Tia Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O : 4503136460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 223629
Date Received : Feb 02, 2022
Date Reported : Feb 15, 2022
Report Number : Z200180-1C5

Page 2 of 3

Page 2 of 3

| Sample Number | 223679-2 | | | | | | | | |
|-------------------------|---|-------|------|-----------|--------------|-----------------|--|-----------|------------------|
| Sampled Date | Feb 01, 2012 | | | | | | | | |
| Sample Description | Air Quality | | | | | | | | |
| Location | 1st floor, HWSRU | | | | | | | | |
| Date Analysis Commenced | Feb 03, 2012 | | | | | | | | |
| Condition of Sample | Drawn Into one 6-L Canister and two sorbent tubes, refrigerated | | | | | | | | |
| Barometric Pressure | 758 mmHg | | | | | | | | |
| Atmospheric Temperature | 31.0 °C | | | | | | | | |
| Analyte | Sampled Date/Time | Unit | LDD | LOQ (LDR) | Result | Guideline Limit | Method | Guideline | Testing Location |
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 01/02/12 - 02/02/12 | ug/m3 | 0.20 | 0.50 | Not Detected | 1100 | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Benzene | 01/02/12 - 02/02/12 | ug/m3 | 0.05 | 0.16 | <0.16 | 7.5 | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Ethylene Glycol | 01/02/12 - 02/02/12 | ppm | - | 0.10 | <0.10 | No Standard | Based on NIOSH, 5523 | - | Bangkok |
| Hexane | 01/02/12 - 02/02/12 | ug/m3 | 0.50 | 1.76 | Not Detected | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Propene (Propylene) | 01/02/12 - 02/02/12 | ug/m3 | 0.30 | 0.86 | <0.86 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Toluene | 01/02/12 - 02/02/12 | ug/m3 | 0.50 | 1.88 | <1.88 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |

Guidelines:

NR8: Modification of National Environment Standard, B.E. 2550 (2017)

PCD: Modification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Notes: - Ban Hong Fai School station has moderate traffic, Normal activity, Nearby school, temple and community.

Sampled By: Kantaphon Menesomporn

Remarks:

- LGD : Limit of Detection
- "C" : Lower than LGQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : Siam Polystyrene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4501136460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 223629
Date Received : Feb 02, 2023
Date Reported : Feb 15, 2023
Report Number : Z200160-1C

Page 3 of 4

| Sample Number | Z23629-3 | | | | | | | | |
|-------------------------|---|-------------------|------|-----------|--------------|-----------------|--|-----------|------------------|
| Sampled Date | Feb 01, 2022 | | | | | | | | |
| Sample Description | Air Quality | | | | | | | | |
| Location | 408Bussibus route | | | | | | | | |
| Date Analysis Commenced | Feb 03, 2022 | | | | | | | | |
| Condition of Sample | Drawn into one 6-L Canister and two sorbent tubes, refrigerated | | | | | | | | |
| Barometric Pressure | 758 mmHg | | | | | | | | |
| Atmospheric Temperature | 31.0 °C | | | | | | | | |
| Analyte | Sampled Date/time | Unit | LOD | LOQ (LOD) | Result | Guideline Limit | Method | Guideline | Testing Location |
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 01/02/22 - 02/02/22 | ug/m ³ | 0.23 | 0.60 | <0.50 | 1100 | Based on US EPA Compendium Method, TO-15 | PCD | Rayong |
| Benzene | 01/02/22 - 02/02/22 | ug/m ³ | 0.05 | 0.16 | 0.70 | 7.6 | Based on US EPA Compendium Method, TO-15 | PCD | Rayong |
| Ethylene Glycol | 01/02/22 - 02/02/22 | ppm | - | 0.10 | <0.10 | No Standard | Based on NIOSH, 5523 | - | Bangkok |
| Hexane | 01/02/22 - 02/02/22 | ug/m ³ | 0.60 | 1.76 | Not Detected | No Standard | Based on US EPA Compendium Method, TO-15 | - | Rayong |
| Propene (Propylene) | 01/02/22 - 02/02/22 | ug/m ³ | 0.30 | 0.86 | 1.86 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Rayong |
| Toluene | 01/02/22 - 02/02/22 | ug/m ³ | 0.50 | 1.68 | 3.02 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Rayong |

Sd/Inlme :
 HEI: Modification of National Environment Board, B.E. 2560 (2017)
 PCQ: Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)
 Note: - Map To Put Public Health Center station has moderate traffic, Normal activity, Nearby school, temple and community.
 Sampled By: Kantaphon Maneeasampan
 Remark:

| |
|---|
| * LOD : Limit of Detection * "<" : Lower than LOQ (Link of Quantification) / LOR (Link of Reporting) |
|---|

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Approved by _____

D. Changchorn
Dej Changchorn
Senior Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 450313640
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2226636
Date Received : Mar 02, 2022
Date Reported : Mar 10, 2022
Report Number : 2249917-1CS

Page 2 of 2

Sample Number : 2226636-3
Sampled Date : Mar 01, 2022
Sample Description : Air Quality
Location : มณฑลอุตสาหกรรม (GPS 47P 0735207, 1405688)
Date Analysis Commenced : Mar 02, 2022
Condition of Sample : Drawn into one 6-L Canister and two sorbent tubes, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 29.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|---------------------|---------------------|-------------------|------|-----------|--------------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 01/03/22 - 02/03/22 | ug/m ³ | 0.20 | 0.50 | Not Detected | 1100 | Based on US EPA Compendium Method, TO-15 | PCD | Rayong |
| Benzene | 01/03/22 - 02/03/22 | ug/m ³ | 0.05 | 0.16 | 2.75 | 7.6 | Based on US EPA Compendium Method, TO-15 | PCD | Rayong |
| Ethylene Glycol | 01/03/22 - 02/03/22 | ug/m ³ | 0.5 | 7.0 | Not Detected | No Standard | Based on NIOSH, 5523 | - | Bangkok |
| Hexane | 01/03/22 - 02/03/22 | ug/m ³ | 0.60 | 1.76 | 2.11 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Rayong |
| Propene (Propylene) | 01/03/22 - 02/03/22 | ug/m ³ | 0.30 | 0.86 | 3.82 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Rayong |
| Toluene | 01/03/22 - 02/03/22 | ug/m ³ | 0.60 | 1.88 | <1.88 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Rayong |

Guidelines :
NEB : Notification of National Environment Board, B.E. 2560 (2017)
PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)
Note : - Map Ta Phut Public Health Center station has moderate traffic. Cloudy, Normal activity, Nearby Community.
Sampled By : Satcha Phetawong
Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Saratth Jitranont
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID : 2226639
Date Received : Mar 02, 2022
Date Reported : Mar 09, 2022
Report Number : 2249921-1

Page 2 of 2

Sample Number : 2226639-1
Parameter : Wind Speed / Wind Direction
Location : มณฑลอุตสาหกรรม (GPS 47P 0735207, 1405688)
Sampling Date : Mar 01 - Mar 02, 2022
Sampling by : Satcha Phetawong

| Time | Mar 01 - Mar 02, 2023 | | | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|-------------|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WS (m/s) | WD (deg) | | | | | | | | | | | | | | | | | |
| 11:00 AM - 12:00 PM | 1.2 | 228.0 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 12:00 PM - 01:00 PM | 1.7 | 221.0 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 01:00 PM - 02:00 PM | 1.5 | 200.0 | SSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 02:00 PM - 03:00 PM | 0.8 | 220.0 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 03:00 PM - 04:00 PM | 0.9 | 231.0 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 04:00 PM - 05:00 PM | 1.4 | 250.0 | WSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 05:00 PM - 06:00 PM | 1.2 | 234.0 | WSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 06:00 PM - 07:00 PM | 0.5 | 258.0 | WSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 07:00 PM - 08:00 PM | 0.6 | 180.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 08:00 PM - 09:00 PM | 1.4 | 185.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 09:00 PM - 10:00 PM | 2.1 | 185.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10:00 PM - 11:00 PM | 1.6 | 254.0 | WSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11:00 PM - 12:00 AM | 1.5 | 256.0 | WSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 12:00 AM - 01:00 AM | 0.5 | 254.0 | WSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 01:00 AM - 02:00 AM | 0.6 | 180.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 02:00 AM - 03:00 AM | 0.4 | 182.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 03:00 AM - 04:00 AM | 0.8 | 184.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 04:00 AM - 05:00 AM | 0.6 | 296.0 | WSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 05:00 AM - 06:00 AM | 1.2 | 241.0 | WSW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 06:00 AM - 07:00 AM | 1.4 | 185.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 07:00 AM - 08:00 AM | 1.6 | 189.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 08:00 AM - 09:00 AM | 1.5 | 180.0 | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 09:00 AM - 10:00 AM | 1.4 | 221.0 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10:00 AM - 11:00 AM | 0.4 | 222.0 | SW | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Reference Method : Cup Anemometer & Anodized Aluminum Vane Method

Approved by

Saratth Jitranont
Assistant General Manager

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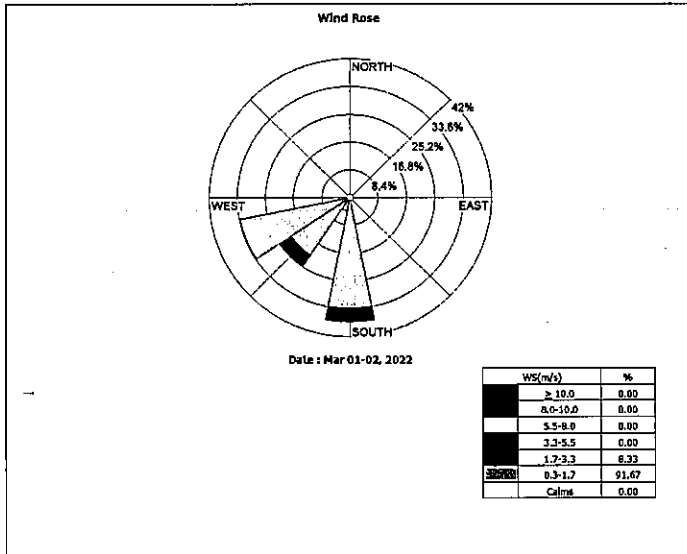


Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 450313640
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID : 2226639
Date Received : Mar 02, 2022
Date Reported : Mar 09, 2022
Report Number : 2249921-1

Page 2 of 2



Approved by

Saratth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 450313640
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2235366
Date Received : Apr 05, 2022
Date Reported : Apr 21, 2022
Report Number : 2263599-1CS

Page 1 of 3

Sample Number : 2235366-1
Sampled Date : Apr 04, 2022
Sample Description : Air Quality
Location : มณฑลอุตสาหกรรม (GPS 47P 0735350, 1406704)
Date Analysis Commenced : Apr 05, 2022
Condition of Sample : Drawn into one 6-L Canister and one sorbent tube, refrigerated
Barometric Pressure : 756 mmHg
Atmospheric Temperature : 32.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|---------------------|---------------------|-------------------|------|-----------|--------------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 04/04/22 - 05/04/22 | ug/m ³ | 0.20 | 0.50 | Not Detected | 1100 | Based on US EPA Compendium Method, TO-15 | PCD | Rayong |
| Benzene | 04/04/22 - 05/04/22 | ug/m ³ | 0.05 | 0.16 | 0.83 | 7.6 | Based on US EPA Compendium Method, TO-15 | PCD | Rayong |
| Ethylene Glycol | 04/04/22 - 05/04/22 | ug/m ³ | 0.5 | 7.0 | Not Detected | No Standard | Based on NIOSH, 5523 | - | Bangkok |
| Hexane | 04/04/22 - 05/04/22 | ug/m ³ | 0.60 | 1.76 | <1.76 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Rayong |
| Propene (Propylene) | 04/04/22 - 05/04/22 | ug/m ³ | 0.30 | 0.86 | 2.10 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Rayong |
| Toluene | 04/04/22 - 05/04/22 | ug/m ³ | 0.60 | 1.86 | 3.02 | No Standard | Based on US EPA Compendium Method, TO-15 | - | Rayong |

Guidelines :
NEB : Notification of National Environment Board, B.E. 2560 (2017)
PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)
Note : - Ban Map Ta Phut Community station has moderate traffic, Normal activity, Nearby school.
- Ban Yang Fish School station has moderate traffic, Normal activity, Nearby school and temple.
- Map Ta Phut Public Health Center station has moderate traffic, Normal activity, Nearby Community.
Sampled By : Satcha Phetawong
Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Saratth Jitranont
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4503136460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 2235366
Date Received : Apr 05, 2022
Date Reported : Apr 21, 2022
Report Number : 2263599-1C5

Page 2 of 3

| Sample Number | 2233166-2 | | | | | | | | |
|-------------------------|--|-------|------|-----------|--------------|-----------------|--|-----------|------------------|
| Sample Date | Apr 04, 2022 | | | | | | | | |
| Sample Description | Air Quality | | | | | | | | |
| Location | Tsuafuruchiwagawhu (GPS 47P 0723521, 1403299) | | | | | | | | |
| Date Analysis Commenced | Apr 06, 2022 | | | | | | | | |
| Condition of Sample | Drawn into one 5-L Canister and one sorbent tube, refrigerated | | | | | | | | |
| Barometric Pressure | 756 mmHg | | | | | | | | |
| Atmospheric Temperature | 22.0 °C | | | | | | | | |
| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOB) | Result | Guideline Limit | Method | Guideline | Testing Location |
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 04/04/22 - 05/04/22 | ug/m3 | 0.20 | 0.60 | Not Detected | 1100 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Benzene | 04/04/22 - 05/04/22 | ug/m3 | 0.05 | 0.15 | 1.46 | 7.6 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Ethylene Glycol | 04/04/22 - 05/04/22 | ug/m3 | 0.5 | 7.0 | Not Detected | No Standard | Based on NIOSH, 5523 | - | Bangkok |
| Hexane | 04/04/22 - 05/04/22 | ug/m3 | 0.60 | 1.76 | <1.76 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Propene (Propylene) | 04/04/22 - 05/04/22 | ug/m3 | 0.30 | 0.86 | 7.19 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Toluene | 04/04/22 - 05/04/22 | ug/m3 | 0.60 | 1.88 | 3.17 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |

Guideline 1:

NCEB : Notification of National Environment Board, B.E. 2550 (2017)
 PCB : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 23, B.E. 2552 (2009).
 Note :
 - Ban Map To Pat Community station has moderate traffic, Normal activity, Nearby school.
 - Ban Hong Ba School station has moderate traffic, Normal activity, Nearby school and temple.
 - Map To Pat Public Health Center station has moderate traffic, Normal activity, Nearby Community.
 Sampled By : Saticha Putsaewang

Remark :

- * LOD : Limit of Detection
- * "<" : Lower than 10Q (Limit of Quantitation) / LOQ (Limit of Reporting)

Approved by

Sarat Mongkondirawat
Scientist (4)

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 2235369
Data Received : Apr 05, 2022
Date Reported : Apr 07, 2022
Report Number : 2263602-1

Page 1 of 2

[illegible]

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

Approved by _____

Sarayuth Jitranont
Assistant General Manager

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

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 450313460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 2235366
Date Received : Apr 05, 2022
Date Reported : Apr 21, 2022
Report Number : 2263599-1C3

Page 3 of 3

| | | | | | | | | |
|-------------------------|--|--|--|--|--|--|--|--|
| Sample Number | 2235366-3 | | | | | | | |
| Sampled Date | Apr 04, 2022 | | | | | | | |
| Sample Description | Air Quality | | | | | | | |
| Location | ๙๙๙๙๙๙๙๙๙๙๙๙ (GPS 47P 0735207, 1405888) | | | | | | | |
| Date Analysis Commenced | Apr 06, 2022 | | | | | | | |
| Condition of Sample | Drawn into one 6-L Canister and one sorbent tube, refrigerated | | | | | | | |
| Barometric Pressure | 756 mmHg | | | | | | | |
| Atmospheric Temperature | 32.0 °C | | | | | | | |

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|---------------------|---------------------|-------|------|-----------|--------------|-----------------|--|-----------|------------------|
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 04/04/22 - 05/04/22 | ug/m3 | 0.20 | 0.60 | Not Detected | 1100 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Benzene | 04/04/22 - 05/04/22 | ug/m3 | 0.05 | 0.16 | 1.02 | 7.6 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Ethylene Glycol | 04/04/22 - 05/04/22 | ug/m3 | 0.5 | 7.0 | Not Detected | No Standard | Based on KIOGH, 5523 | - | Bangkok |
| Hexane | 04/04/22 - 05/04/22 | ug/m3 | 0.60 | 1.76 | <1.76 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Propene (Propylene) | 04/04/22 - 05/04/22 | ug/m3 | 0.30 | 0.96 | 2.79 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Toluene | 04/04/22 - 05/04/22 | ug/m3 | 0.60 | 1.88 | 3.17 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |

Guideline 1

NEH : Notification of National Environment Board, B.E. 2560 (2017)
PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 12 D dated January 27, B.E. 2552 (2009)

Note :

- Ben Map Ta Put Community station has moderate traffic, Normal activity, Nearby school.
- Ben Nong Pab School station has moderate traffic, Normal activity, Nearby school and temple.
- Map Ta Put Public Health Center station has moderate traffic, Normal activity, Nearby Community.

Remark :

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

Approved by _____

Sarat Mongkoltipwut
Scientist (4)

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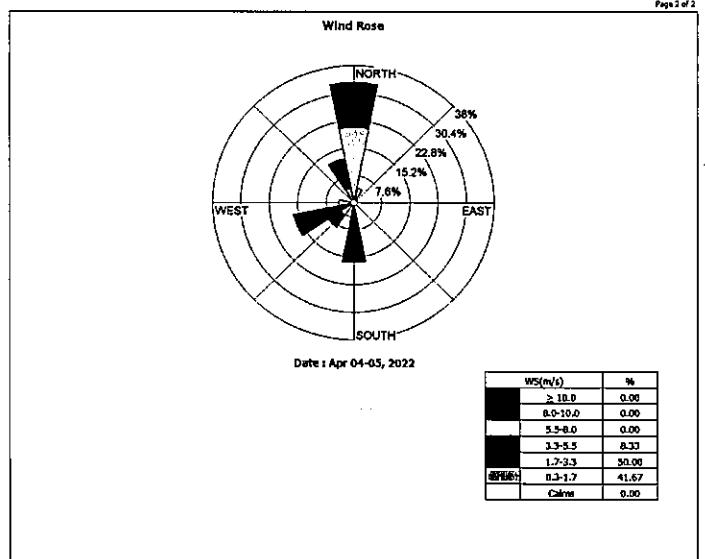


Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID : 2235369
Date Received : Apr 05, 2022
Date Reported : Apr 07, 2022
Report Number : 2263602-1

Page 2 of 2



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Approved by:

Sarayuth Jittrahont
Assistant General Manager

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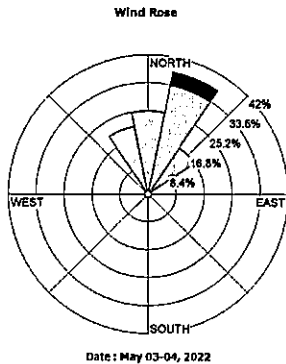


Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4503136460
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID : 2240333
Date Received : May 04, 2022
Date Reported : May 09, 2022
Report Number : 227496-1

Page 2 of 2



Date: May 03-04, 2022

| WS (m/s) | % |
|----------|-------|
| > 10.0 | 0.00 |
| 6.0-10.0 | 0.00 |
| 5.5-6.0 | 0.00 |
| 3.3-5.5 | 0.00 |
| 1.7-3.3 | 4.17 |
| 0.3-1.7 | 95.83 |
| Calm | 0.00 |

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Approved by

Saraphut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4503136460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 2267119
Date Received : Jun 02, 2022
Date Reported : Jun 10, 2022
Report Number : 232946-1CS

Page 1 of 3

| Sample Number | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------------------|---|-------------|------|-----------|--------------|-----------------|--|-----------|------------------|
| 2267119-1 | Jun 01, 2022 | Air Quality | | | | | | | |
| Location | Uthumphuwan (GPS 47P 0735350, 1406704) | | | | | | | | |
| Date Analysis Commenced | Jun 02, 2022 | | | | | | | | |
| Condition of Sample | Drawn into one 6-L Canister and two sorbent tubes, refrigerated | | | | | | | | |
| Barometric Pressure | 754 mmHg | | | | | | | | |
| Atmospheric Temperature | 31.0 °C | | | | | | | | |
| Analysed | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 01/06/22 - 02/06/22 | ug/m3 | 0.20 | 0.60 | Not Detected | 1100 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Benzene | 01/06/22 - 02/06/22 | ug/m3 | 0.05 | 0.16 | 1.47 | 7.6 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Ethylene Glycol | 01/06/22 - 02/06/22 | ug/m3 | 0.5 | 7.0 | Not Detected | No Standard | Based on NIOSH, 5523 | - | Bangkok |
| Hexane | 01/06/22 - 02/06/22 | ug/m3 | 0.60 | 1.76 | 1.83 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Propene (Propylene) | 01/06/22 - 02/06/22 | ug/m3 | 0.30 | 0.86 | 2.79 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Toluene | 01/06/22 - 02/06/22 | ug/m3 | 0.60 | 1.88 | 42.86 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : - Map Ta Phut Community station has moderate traffic, normal activity, cloudy, nearby community

Sampled By : Romsachai Hongsang

Remark :

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

Approved by

Sararat Hongkijjirawat
Supervisor

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499-1221-0461



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4503136460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 2267119
Date Received : Jun 02, 2022
Date Reported : Jun 10, 2022
Report Number : 232946-1CS

Page 2 of 3

| Sample Number | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------------------|---|-------------|------|-----------|--------------|-----------------|--|-----------|------------------|
| 2267119-2 | Jun 01, 2022 | Air Quality | | | | | | | |
| Location | Uthumphuwan (GPS 47P 0738221, 1403298) | | | | | | | | |
| Date Analysis Commenced | Jun 02, 2022 | | | | | | | | |
| Condition of Sample | Drawn into one 6-L Canister and two sorbent tubes, refrigerated | | | | | | | | |
| Barometric Pressure | 754 mmHg | | | | | | | | |
| Atmospheric Temperature | 31.0 °C | | | | | | | | |
| Analysed | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 01/06/22 - 02/06/22 | ug/m3 | 0.20 | 0.60 | Not Detected | 1100 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Benzene | 01/06/22 - 02/06/22 | ug/m3 | 0.05 | 0.16 | 0.32 | 7.6 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Ethylene Glycol | 01/06/22 - 02/06/22 | ug/m3 | 0.5 | 7.0 | Not Detected | No Standard | Based on NIOSH, 5523 | - | Bangkok |
| Hexane | 01/06/22 - 02/06/22 | ug/m3 | 0.60 | 1.76 | <1.76 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Propene (Propylene) | 01/06/22 - 02/06/22 | ug/m3 | 0.30 | 0.86 | Not Detected | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Toluene | 01/06/22 - 02/06/22 | ug/m3 | 0.60 | 1.88 | 112 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : - Ban Nong Rab School station no traffic, cloudy, nearby school, temple and community

Sampled By : Romsachai Hongsang

Remark :

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

Approved by

Sararat Hongkijjirawat
Supervisor

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499-1221-0461



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4503136460
Project Name : Environmental Quality Monitoring
Project Location :

Lot ID: 2267119
Date Received : Jun 02, 2022
Date Reported : Jun 10, 2022
Report Number : 232946-1CS

Page 3 of 3

| Sample Number | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------------------|---|-------------|------|-----------|--------------|-----------------|--|-----------|------------------|
| 2267119-3 | Jun 01, 2022 | Air Quality | | | | | | | |
| Location | Uthumphuwan (GPS 47P 0738207, 1405688) | | | | | | | | |
| Date Analysis Commenced | Jun 02, 2022 | | | | | | | | |
| Condition of Sample | Drawn into one 6-L Canister and two sorbent tubes, refrigerated | | | | | | | | |
| Barometric Pressure | 754 mmHg | | | | | | | | |
| Atmospheric Temperature | 31.0 °C | | | | | | | | |
| Analysed | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
| Air Testing | | | | | | | | | |
| 1,4-Dichlorobenzene | 01/06/22 - 02/06/22 | ug/m3 | 0.20 | 0.60 | Not Detected | 1100 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Benzene | 01/06/22 - 02/06/22 | ug/m3 | 0.05 | 0.16 | 1.73 | 7.6 | Based on US EPA Compendium Method, TD-15 | PCD | Rayong |
| Ethylene Glycol | 01/06/22 - 02/06/22 | ug/m3 | 0.5 | 7.0 | Not Detected | No Standard | Based on NIOSH, 5523 | - | Bangkok |
| Hexane | 01/06/22 - 02/06/22 | ug/m3 | 0.60 | 1.76 | 2.82 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Propene (Propylene) | 01/06/22 - 02/06/22 | ug/m3 | 0.30 | 0.86 | 2.96 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |
| Toluene | 01/06/22 - 02/06/22 | ug/m3 | 0.60 | 1.88 | 58.80 | No Standard | Based on US EPA Compendium Method, TD-15 | - | Rayong |

Guideline :

NEB : Notification of National Environment Board, B.E. 2560 (2017)

PCD : Notification of the Pollution Control Department, which was published in the Royal Government Gazette Vol. 126 Special Part 13 D dated January 27, B.E. 2552 (2009)

Note : - Map Ta Phut Public Health Center station has moderate traffic, cloudy, nearby temple and community

Sampled By : Romsachai Hongsang

Remark :

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

Approved by

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499-1221-0461

Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID : 2267122
Date Received : Jun 02, 2022
Date Reported : Jun 09, 2022
Report Number : 2329845-1

Page 1 of 2


| | |
|---------------|--|
| Sample Number | 2267122-1 |
| Parameter | Wind Speed / Wind Direction |
| Location | สถานีวิทยุห้วยหลวง (GPS 47P 0735207, 140588) |
| Sampling Date | Jun 01 - Jun 02, 2022 |
| Sampling by | Ronnachal Moungma |

| Time | Jun 01 - Jun 02, 2022 | | | | | |
|---------------------|-----------------------|-------------|-----|---|---|---|
| | WS (m/s) | WD (deg) | | | | |
| 11:00 AM - 12:00 PM | 9.3 | 283.0 | W | - | - | - |
| 12:00 PM - 01:00 PM | 2.9 | 166.0 | S | - | - | - |
| 02:00 PM - 03:00 PM | 1.3 | 165.0 | S | - | - | - |
| 03:00 PM - 03:55 PM | 2.4 | 215.0 | SW | - | - | - |
| 03:00 PM - 04:00 PM | 1.0 | 301.0 | VHW | - | - | - |
| 04:00 PM - 05:00 PM | 0.8 | 270.0 | W | - | - | - |
| 05:00 PM - 06:00 PM | 1.0 | 286.0 | VHW | - | - | - |
| 06:00 PM - 07:00 PM | 0.3 | 254.0 | VHW | - | - | - |
| 07:00 PM - 08:00 PM | 1.0 | 242.0 | WSW | - | - | - |
| 08:00 PM - 09:00 PM | 0.2 | - | - | - | - | - |
| 09:00 PM - 10:00 PM | 0.9 | 213.0 | SSW | - | - | - |
| 10:00 PM - 11:00 PM | 1.0 | 239.0 | WSW | - | - | - |
| 11:00 PM - 12:00 AM | 0.6 | 245.0 | WSW | - | - | - |
| 12:00 AM - 01:00 AM | 0.2 | - | - | - | - | - |
| 01:00 AM - 02:00 AM | 0.6 | 109.0 | S | - | - | - |
| 02:00 AM - 03:00 AM | 0.4 | 243.0 | WSW | - | - | - |
| 03:00 AM - 04:00 AM | 0.8 | 204.0 | ESW | - | - | - |
| 04:00 AM - 05:00 AM | 3.2 | 298.0 | W | - | - | - |
| 05:00 AM - 06:00 AM | 1.4 | 267.0 | W | - | - | - |
| 06:00 AM - 07:00 AM | 0.4 | 322.0 | SW | - | - | - |
| 07:00 AM - 08:00 AM | 1.3 | 326.0 | SW | - | - | - |
| 08:00 AM - 09:00 AM | 0.5 | 279.0 | W | - | - | - |
| 09:00 AM - 10:00 AM | 1.0 | 187.0 | SSE | - | - | - |
| 10:00 AM - 11:00 AM | 1.5 | 205.0 | SSW | - | - | - |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the end-use/healed sample(s) as indicated in this report. No part of this report or its contents may be reproduced in any form without written consent from the Laboratory. A/E Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Sarayuth Jitrantong
Assistant General Manager

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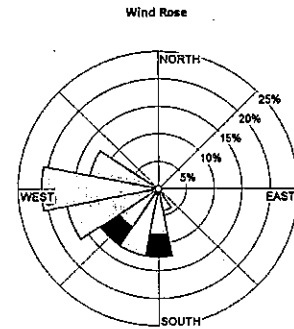


Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID : 2267122
Date Received : Jun 02, 2022
Date Reported : Jun 09, 2022
Report Number : 2329645-1

Page 2 of 2



Date : Jun 01-02, 2022

| WS(m/s) | % |
|----------|-------|
| > 10.0 | 0.00 |
| 8.0-10.0 | 0.00 |
| 5.9-8.0 | 0.00 |
| 3.7-5.5 | 0.00 |
| 1.7-3.3 | 8.33 |
| 0.3-1.7 | 83.34 |
| Calm | 8.33 |

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ภาคผนวก ค-4

คุณภาพอากาศในสถานประกอบการ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPC)

Lot ID: 2240335
Date Received : May 06, 2022
Date Reported : May 19, 2022
Report Number : 2274497-1 Rev. No.1

Page 1 of 6

Sample Number : 2240335-1
Sampled Date : May 06, 2022
Sample Description : Air Quality
Location : Spin Dryer 1
Date Analysis Commenced : May 05, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 756 mmHg
Atmospheric Temperature : 30.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 09:30 AM - 11:30 AM | ppm | - | 0.10 | <0.10 | 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)

Note : This Analysis test report is reissued to supersede report No. 2274497-1, Date Reported : May 19, 2022 due to revise analytical information.

Sampled By : Satcha Phatsawang

Remark :

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

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Savanya Chalermsamrong
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4989-1222 (ENGL)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPC)

Lot ID: 2240335
Date Received : May 06, 2022
Date Reported : May 19, 2022
Report Number : 2274497-1 Rev. No.1

Page 2 of 6

Sample Number : 2240335-2
Sampled Date : May 06, 2022
Sample Description : Air Quality
Location : Pelletizer 1
Date Analysis Commenced : May 05, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 756 mmHg
Atmospheric Temperature : 30.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 09:30 AM - 11:30 AM | ppm | - | 0.10 | <0.10 | 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)

Note : This Analysis test report is reissued to supersede report No. 2274497-1, Date Reported : May 19, 2022 due to revise analytical information.

Sampled By : Satcha Phatsawang

Remark :

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Approved by

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4989-1222 (ENGL)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPC)

Lot ID: 2240335
Date Received : May 06, 2022
Date Reported : May 19, 2022
Report Number : 2274497-1 Rev. No.1

Page 3 of 6

Sample Number : 2240335-3
Sampled Date : May 06, 2022
Sample Description : Air Quality
Location : Hold Up Hopper 1
Date Analysis Commenced : May 05, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 756 mmHg
Atmospheric Temperature : 30.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 09:30 AM - 11:30 AM | ppm | - | 0.10 | <0.10 | 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)

Note : This Analysis test report is reissued to supersede report No. 2274497-1, Date Reported : May 19, 2022 due to revise analytical information.

Sampled By : Satcha Phatsawang

Remark :

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Approved by

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4989-1222 (ENGL)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPC)

Lot ID: 2240335
Date Received : May 06, 2022
Date Reported : May 19, 2022
Report Number : 2274497-1 Rev. No.1

Page 4 of 6

Sample Number : 2240335-4
Sampled Date : May 06, 2022
Sample Description : Air Quality
Location : Spin Dryer 2
Date Analysis Commenced : May 05, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 756 mmHg
Atmospheric Temperature : 30.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 09:30 AM - 11:30 AM | ppm | - | 0.10 | <0.10 | 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)

Note : This Analysis test report is reissued to supersede report No. 2274497-1, Date Reported : May 19, 2022 due to revise analytical information.

Sampled By : Satcha Phatsawang

Remark :

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Approved by

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4989-1222 (ENGL)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2240335
Date Received : May 06, 2022
Date Reported : May 19, 2022
Report Number : 2274497-1 Rev. No.1

Page 5 of 6

Sample Number : 2240335-5
Sampled Date : May 06, 2022
Sample Description : Air Quality
Location : Pelletizer 2
Date Analysis Commenced : May 06, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 755 mmHg
Atmospheric Temperature : 30.0 °C

| Analys | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 09:40 AM - 11:40 AM | ppm | - | 0.10 | <0.10 | 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)
Note : This Analysis test report is released to supersede report No. 2274497-1, Date Reported : May 18, 2022 due to revise analytical information.

Sampled By : Saichai Phetsawang

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

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Savanya C.
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4589-122 (THAI)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635056
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2240335
Date Received : May 06, 2022
Date Reported : May 19, 2022
Report Number : 2274497-1 Rev. No.1

Page 6 of 6

Sample Number : 2240335-6
Sampled Date : May 06, 2022
Sample Description : Air Quality
Location : Hold Up Hopper 2
Date Analysis Commenced : May 06, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 756 mmHg
Atmospheric Temperature : 30.0 °C

| Analys | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 09:40 AM - 11:40 AM | ppm | - | 0.10 | <0.10 | 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)
Note : This Analysis test report is released to supersede report No. 2274497-1, Date Reported : May 18, 2022 due to revise analytical information.

Sampled By : Saichai Phetsawang

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

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Approved by

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4589-122 (THAI)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2227886
Date Received : Mar 09, 2022
Date Reported : Mar 21, 2022
Report Number : 2247274-1

Page 1 of 6

Sample Number : 2227886-1
Sampled Date : Mar 08, 2022
Sample Description : Air Quality
Location : Spin Dryer 1
Date Analysis Commenced : Mar 10, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 30.0 °C

| Analys | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 11:00 AM - 01:00 PM | ppm | - | 0.10 | <0.10 | 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 : Saichai Phetsawang

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

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4589-122 (THAI)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2227886
Date Received : Mar 09, 2022
Date Reported : Mar 21, 2022
Report Number : 2247274-1

Page 2 of 6

Sample Number : 2227886-2
Sampled Date : Mar 08, 2022
Sample Description : Air Quality
Location : Pelletizer 1
Date Analysis Commenced : Mar 10, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 30.0 °C

| Analys | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 11:00 AM - 01:00 PM | ppm | - | 0.10 | <0.10 | 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 : Saichai Phetsawang

Remark :
- LOD : Limit of Detection
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4589-122 (THAI)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2227886
Date Received : Mar 09, 2022
Date Reported : Mar 21, 2022
Report Number : 2247274-1

Page 3 of 6

Sample Number : 2227886-3
Sampled Date : Mar 08, 2022
Sample Description : Air Quality
Location : Hold Up Hopper 1
Date Analysis Commenced : Mar 10, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 30.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 11:05 AM - 01:05 PM | ppm | - | 0.10 | <0.10 | 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 : Satcha Phetsavang

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

Approved by

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2227886
Date Received : Mar 09, 2022
Date Reported : Mar 21, 2022
Report Number : 2247274-1

Page 4 of 6

Sample Number : 2227886-4
Sampled Date : Mar 08, 2022
Sample Description : Air Quality
Location : Spin Dryer 2
Date Analysis Commenced : Mar 10, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 30.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 10:40 AM - 12:40 PM | ppm | - | 0.10 | <0.10 | 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 : Satcha Phetsavang

Remark :
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2227886
Date Received : Mar 09, 2022
Date Reported : Mar 21, 2022
Report Number : 2247274-1

Page 5 of 6

Sample Number : 2227886-5
Sampled Date : Mar 08, 2022
Sample Description : Air Quality
Location : Pelletizer 2
Date Analysis Commenced : Mar 10, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 30.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 10:45 AM - 12:45 AM | ppm | - | 0.10 | <0.10 | 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 : Satcha Phetsavang

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut_PE (SPE)

Lot ID: 2227886
Date Received : Mar 09, 2022
Date Reported : Mar 21, 2022
Report Number : 2247274-1

Page 6 of 6

Sample Number : 2227886-6
Sampled Date : Mar 08, 2022
Sample Description : Air Quality
Location : Hold Up Hopper 2
Date Analysis Commenced : Mar 10, 2022
Condition of Sample : Drawn into one sorbent tube, refrigerated
Barometric Pressure : 757 mmHg
Atmospheric Temperature : 30.0 °C

| Analyte | Sampled Date/Time | Unit | LOD | LOQ (LOR) | Result | Guideline Limit | Method | Guideline | Testing Location |
|-------------|---------------------|------|-----|-----------|--------|-----------------|--------------------|-----------|------------------|
| Air Testing | | | | | | | | | |
| n-Octane | 10:50 AM - 12:50 PM | ppm | - | 0.10 | <0.10 | 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 : Satcha Phetsavang

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

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ภาคผนวก ค-5

ระดับเสียงโดยทั่วไปและระดับเสียงพื้นฐาน



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-1
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262054-1

Page 1 of 2

Sample Number : 2227911-1
Parameter : Noise Level (Leq 5 min)
Location : สุราษฎร์ธานี (GPS 47P 0735038, 1405843)
Measurement Date : Mar 07 - Mar 08, 2022
Measurement by : Satcha Phetwong
Sound Level meter : Serial No. 00233184

| Mar 07, 2022 | Leq dB(A) | L90 dB(A) | Mar 07, 2022 | Leq dB(A) | L90 dB(A) | Mar 07, 2022 | Leq dB(A) | L90 dB(A) |
|---------------------|--------------|--------------|---------------------|--------------|--------------|---------------------|--------------|--------------|
| Time | | | Time | | | Time | | |
| 12:00 PM - 12:05 PM | 58.4 | 51.6 | 02:40 PM - 02:45 PM | 51.8 | 50.2 | 05:20 PM - 05:25 PM | 51.5 | 50.2 |
| 12:05 PM - 12:10 PM | 57.8 | 53.1 | 02:45 PM - 02:50 PM | 51.5 | 50.1 | 05:25 PM - 05:30 PM | 51.6 | 50.5 |
| 12:10 PM - 12:15 PM | 57.1 | 53.4 | 02:50 PM - 02:55 PM | 51.9 | 50.5 | 05:30 PM - 05:35 PM | 51.9 | 50.4 |
| 12:15 PM - 12:20 PM | 52.2 | 50.6 | 02:55 PM - 03:00 PM | 53.2 | 50.8 | 05:35 PM - 05:40 PM | 51.2 | 49.7 |
| 12:20 PM - 12:25 PM | 51.3 | 50.0 | 03:00 PM - 03:05 PM | 52.2 | 51.0 | 05:40 PM - 05:45 PM | 51.6 | 49.8 |
| 12:25 PM - 12:30 PM | 51.0 | 50.4 | 03:05 PM - 03:10 PM | 52.7 | 51.0 | 05:45 PM - 05:50 PM | 51.1 | 49.7 |
| 12:30 PM - 12:35 PM | 51.9 | 50.2 | 03:10 PM - 03:15 PM | 52.0 | 50.5 | 05:50 PM - 05:55 PM | 51.0 | 49.5 |
| 12:35 PM - 12:40 PM | 55.0 | 50.3 | 03:15 PM - 03:20 PM | 52.4 | 51.0 | 05:55 PM - 06:00 PM | 50.5 | 49.4 |
| 12:40 PM - 12:45 PM | 60.3 | 51.8 | 03:20 PM - 03:25 PM | 53.1 | 51.0 | 06:00 PM - 06:05 PM | 50.5 | 49.5 |
| 12:45 PM - 12:50 PM | 59.4 | 51.3 | 03:25 PM - 03:30 PM | 53.7 | 51.3 | 06:05 PM - 06:10 PM | 50.5 | 49.6 |
| 12:50 PM - 12:55 PM | 58.0 | 49.9 | 03:30 PM - 03:35 PM | 53.6 | 51.6 | 06:10 PM - 06:15 PM | 50.4 | 49.3 |
| 12:55 PM - 01:00 PM | 56.5 | 50.0 | 03:35 PM - 03:40 PM | 54.4 | 51.1 | 06:15 PM - 06:20 PM | 52.0 | 49.1 |
| 01:00 PM - 01:05 PM | 55.2 | 52.1 | 03:40 PM - 03:45 PM | 53.7 | 51.1 | 06:20 PM - 06:25 PM | 52.3 | 49.9 |
| 01:05 PM - 01:10 PM | 56.7 | 51.4 | 03:45 PM - 03:50 PM | 52.8 | 50.6 | 06:25 PM - 06:30 PM | 51.3 | 49.9 |
| 01:10 PM - 01:15 PM | 54.8 | 51.3 | 03:50 PM - 03:55 PM | 53.0 | 50.7 | 06:30 PM - 06:35 PM | 51.9 | 50.4 |
| 01:15 PM - 01:20 PM | 56.0 | 50.7 | 03:55 PM - 04:00 PM | 52.3 | 50.7 | 06:35 PM - 06:40 PM | 52.7 | 49.7 |
| 01:20 PM - 01:25 PM | 57.0 | 50.0 | 04:00 PM - 04:05 PM | 52.2 | 50.7 | 06:40 PM - 06:45 PM | 50.1 | 49.2 |
| 01:25 PM - 01:30 PM | 51.4 | 49.9 | 04:05 PM - 04:10 PM | 51.9 | 50.7 | 06:45 PM - 06:50 PM | 50.2 | 49.3 |
| 01:30 PM - 01:35 PM | 52.4 | 50.2 | 04:10 PM - 04:15 PM | 51.3 | 50.3 | 06:50 PM - 06:55 PM | 49.9 | 49.1 |
| 01:35 PM - 01:40 PM | 56.0 | 50.0 | 04:15 PM - 04:20 PM | 51.7 | 50.4 | 06:55 PM - 07:00 PM | 50.6 | 49.4 |
| 01:40 PM - 01:45 PM | 57.0 | 50.1 | 04:20 PM - 04:25 PM | 51.7 | 50.4 | 07:00 PM - 07:05 PM | 50.9 | 49.6 |
| 01:45 PM - 01:50 PM | 52.7 | 49.6 | 04:25 PM - 04:30 PM | 52.8 | 50.5 | 07:05 PM - 07:10 PM | 55.9 | 50.6 |
| 01:50 PM - 01:55 PM | 51.6 | 49.8 | 04:30 PM - 04:35 PM | 52.0 | 50.3 | 07:10 PM - 07:15 PM | 51.6 | 50.6 |
| 01:55 PM - 02:00 PM | 51.5 | 49.6 | 04:35 PM - 04:40 PM | 51.9 | 50.4 | 07:15 PM - 07:20 PM | 52.1 | 50.6 |
| 02:00 PM - 02:05 PM | 52.0 | 49.6 | 04:40 PM - 04:45 PM | 51.9 | 50.1 | 07:20 PM - 07:25 PM | 51.7 | 50.7 |
| 02:05 PM - 02:10 PM | 52.1 | 50.1 | 04:45 PM - 04:50 PM | 50.9 | 50.8 | 07:25 PM - 07:30 PM | 51.7 | 50.9 |
| 02:10 PM - 02:15 PM | 51.4 | 50.3 | 04:50 PM - 04:55 PM | 49.9 | 49.6 | 07:30 PM - 07:35 PM | 51.3 | 50.6 |
| 02:15 PM - 02:20 PM | 52.4 | 50.8 | 04:55 PM - 05:00 PM | 49.2 | 47.0 | 07:35 PM - 07:40 PM | 51.7 | 50.8 |
| 02:20 PM - 02:25 PM | 53.5 | 51.0 | 05:00 PM - 05:05 PM | 61.4 | 50.4 | 07:40 PM - 07:45 PM | 54.4 | 50.6 |
| 02:25 PM - 02:30 PM | 54.5 | 51.8 | 05:05 PM - 05:10 PM | 51.4 | 50.0 | 07:45 PM - 07:50 PM | 51.2 | 50.6 |
| 02:30 PM - 02:35 PM | 51.7 | 49.9 | 05:10 PM - 05:15 PM | 52.7 | 51.4 | 07:50 PM - 07:55 PM | 51.1 | 50.6 |
| 02:35 PM - 02:40 PM | 52.7 | 50.2 | 05:15 PM - 05:20 PM | 52.7 | 50.3 | 07:55 PM - 08:00 PM | 51.5 | 50.5 |

Approved by

Serayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-1
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262054-1

Page 2 of 2

Sample Number : 2227911-1
Parameter : Noise Level (Leq 5 min)
Location : สุราษฎร์ธานี (GPS 47P 0735038, 1405843)
Measurement Date : Mar 07 - Mar 08, 2022
Measurement by : Satcha Phetwong
Sound Level meter : Serial No. 00233184

| Mar 07, 2022 | Leq dB(A) | L90 dB(A) | Mar 07 - Mar 08, 2022 | Leq dB(A) | L90 dB(A) | Mar 08, 2022 | Leq dB(A) | L90 dB(A) |
|---------------------|--------------|--------------|-----------------------|--------------|--------------|---------------------|--------------|--------------|
| Time | | | Time | | | Time | | |
| 08:00 PM - 08:05 PM | 51.4 | 50.6 | 10:40 PM - 10:45 PM | 65.8 | 60.1 | 01:20 AM - 01:25 AM | 64.1 | 65.7 |
| 08:05 PM - 08:10 PM | 51.0 | 50.5 | 10:45 PM - 10:50 PM | 69.4 | 67.3 | 01:25 AM - 01:30 AM | 65.5 | 65.1 |
| 08:10 PM - 08:15 PM | 51.1 | 50.4 | 10:50 PM - 10:55 PM | 64.1 | 60.5 | 01:30 AM - 01:35 AM | 63.9 | 62.6 |
| 08:15 PM - 08:20 PM | 51.0 | 50.4 | 10:55 PM - 11:00 PM | 61.4 | 60.5 | 01:35 AM - 01:40 AM | 61.6 | 60.7 |
| 08:20 PM - 08:25 PM | 55.8 | 50.5 | 11:00 PM - 11:05 PM | 57.1 | 55.9 | 01:40 AM - 01:45 AM | 61.1 | 60.4 |
| 08:25 PM - 08:30 PM | 65.6 | 64.6 | 11:05 PM - 11:10 PM | 58.3 | 51.8 | 01:45 AM - 01:50 AM | 59.9 | 59.3 |
| 08:30 PM - 08:35 PM | 63.8 | 57.5 | 11:10 PM - 11:15 PM | 51.4 | 50.6 | 01:50 AM - 01:55 AM | 59.3 | 58.0 |
| 08:35 PM - 08:40 PM | 52.7 | 51.3 | 11:15 PM - 11:20 PM | 51.5 | 50.5 | 01:55 AM - 02:00 AM | 56.8 | 55.7 |
| 08:40 PM - 08:45 PM | 50.8 | 50.3 | 11:20 PM - 11:25 PM | 51.4 | 50.2 | 02:00 AM - 02:05 AM | 56.0 | 55.2 |
| 08:45 PM - 08:50 PM | 50.7 | 50.2 | 11:25 PM - 11:30 PM | 64.5 | 56.9 | 02:05 AM - 02:10 AM | 55.2 | 54.5 |
| 08:50 PM - 08:55 PM | 50.5 | 50.0 | 11:30 PM - 11:35 PM | 69.7 | 67.6 | 02:10 AM - 02:15 AM | 55.2 | 54.4 |
| 08:55 PM - 09:00 PM | 50.3 | 50.0 | 11:35 PM - 11:40 PM | 67.9 | 66.1 | 02:15 AM - 02:20 AM | 53.7 | 52.8 |
| 09:00 PM - 09:05 PM | 50.9 | 50.0 | 11:40 PM - 11:45 PM | 65.4 | 64.5 | 02:20 AM - 02:25 AM | 52.5 | 51.7 |
| 09:05 PM - 09:10 PM | 50.7 | 50.0 | 11:45 PM - 11:50 PM | 61.6 | 59.4 | 02:25 AM - 02:30 AM | 51.9 | 51.1 |
| 09:10 PM - 09:15 PM | 50.4 | 49.9 | 11:50 PM - 11:55 PM | 57.3 | 55.9 | 02:30 AM - 02:35 AM | 51.7 | 50.9 |
| 09:15 PM - 09:20 PM | 50.6 | 50.1 | 11:55 PM - 12:00 AM | 55.3 | 54.5 | 02:35 AM - 02:40 AM | 51.7 | 51.0 |
| 09:20 PM - 09:25 PM | 50.9 | 50.3 | 12:00 AM - 12:05 AM | 54.0 | 54.2 | 02:40 AM - 02:45 AM | 51.6 | 50.7 |
| 09:25 PM - 09:30 PM | 51.6 | 50.5 | 12:05 AM - 12:10 AM | 53.8 | 53.3 | 02:45 AM - 02:50 AM | 51.4 | 50.6 |
| 09:30 PM - 09:35 PM | 51.1 | 50.5 | 12:10 AM - 12:15 AM | 53.4 | 52.8 | 02:50 AM - 02:55 AM | 50.8 | 50.2 |
| 09:35 PM - 09:40 PM | 51.0 | 50.4 | 12:15 AM - 12:20 AM | 53.4 | 52.7 | 02:55 AM - 03:00 AM | 51.1 | 50.1 |
| 09:40 PM - 09:45 PM | 50.6 | 50.0 | 12:20 AM - 12:25 AM | 53.0 | 52.5 | 03:00 AM - 03:05 AM | 50.1 | 49.5 |
| 09:45 PM - 09:50 PM | 50.3 | 49.7 | 12:25 AM - 12:30 AM | 56.0 | 53.5 | 03:05 AM - 03:10 AM | 50.5 | 49.7 |
| 09:50 PM - 09:55 PM | 49.8 | 48.9 | 12:30 AM - 12:35 AM | 57.7 | 56.9 | 03:10 AM - 03:15 AM | 50.5 | 49.8 |
| 09:55 PM - 10:00 PM | 49.6 | 48.9 | 12:35 AM - 12:40 AM | 59.2 | 52.5 | 03:15 AM - 03:20 AM | 50.3 | 49.6 |
| 10:00 PM - 10:05 PM | 49.4 | 49.0 | 12:40 AM - 12:45 AM | 60.1 | 59.1 | 03:20 AM - 03:25 AM | 49.9 | 49.1 |
| 10:05 PM - 10:10 PM | 50.5 | 49.1 | 12:45 AM - 12:50 AM | 60.5 | 59.7 | 03:25 AM - 03:30 AM | 50.0 | 49.1 |
| 10:10 PM - 10:15 PM | 49.3 | 48.8 | 12:50 AM - 12:55 AM | 61.1 | 60.6 | 03:30 AM - 03:35 AM | 50.1 | 49.0 |
| 10:15 PM - 10:20 PM | 49.2 | 48.6 | 12:55 AM - 01:00 AM | 63.0 | 62.0 | 03:35 AM - 03:40 AM | 51.8 | 49.9 |
| 10:20 PM - 10:25 PM | 49.6 | 48.6 | 01:00 AM - 01:05 AM | 65.1 | 64.3 | 03:40 AM - 03:45 AM | 50.8 | 49.1 |
| 10:25 PM - 10:30 PM | 49.2 | 48.5 | 01:05 AM - 01:10 AM | 64.5 | 63.7 | 03:45 AM - 03:50 AM | 49.7 | 49.0 |
| 10:30 PM - 10:35 PM | 54.2 | 49.6 | 01:10 AM - 01:15 AM | 65.9 | 65.0 | 03:50 AM - 03:55 AM | 50.1 | 49.1 |
| 10:35 PM - 10:40 PM | 62.6 | 60.5 | 01:15 AM - 01:20 AM | 66.7 | 66.3 | 03:55 AM - 04:00 AM | 50.2 | 49.0 |

Approved by

Serayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-1
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262054-1

Page 2 of 2

Sample Number : 2227911-1
Parameter : Noise Level (Leq 5 min)
Location : สุราษฎร์ธานี (GPS 47P 0735038, 1405843)
Measurement Date : Mar 07 - Mar 08, 2022
Measurement by : Satcha Phetwong
Sound Level meter : Serial No. 00233184

| Mar 08, 2022 | Leq | L90 | Mar 08, 2022 | Leq | L90 | Mar 08, 2022 | Leq | L90 |
|---------------------|-------|-------|---------------------|-------|-------|---------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 08:00 AM - 08:05 AM | 49.9 | 49.0 | 06:40 AM - 06:45 AM | 53.4 | 50.1 | 09:20 AM - 09:25 AM | 52.4 | 49.5 |
| 08:05 AM - 08:10 AM | 50.5 | 49.1 | 06:45 AM - 06:50 AM | 57.8 | 50.4 | 09:25 AM - 09:30 AM | 56.7 | 48.9 |
| 08:10 AM - 08:15 AM | 49.0 | 49.0 | 06:50 AM - 06:55 AM | 56.9 | 51.5 | 09:30 AM - 09:35 AM | 50.8 | 49.2 |
| 08:15 AM - 08:20 AM | 50.1 | 49.1 | 06:55 AM - 07:00 AM | 54.1 | 51.4 | 09:35 AM - 09:40 AM | 50.6 | 49.0 |
| 08:20 AM - 08:25 AM | 50.5 | 49.5 | 07:00 AM - 07:05 AM | 59.2 | 52.5 | 09:40 AM - 09:45 AM | 51.1 | 47.6 |
| 08:25 AM - 08:30 AM | 66.5 | 51.7 | 07:05 AM - 07:10 AM | 59.9 | 54.9 | 09:45 AM - 09:50 AM | 50.9 | 47.9 |
| 08:30 AM - 08:35 AM | 66.7 | 64.1 | 07:10 AM - 07:15 AM | 56.8 | 50.5 | 09:50 AM - 09:55 AM | 50.6 | 47.3 |
| 08:35 AM - 08:40 AM | 56.7 | 51.4 | 07:15 AM - 07:20 AM | 60.8 | 51.1 | 09:55 AM - 10:00 AM | 51.4 | 47.3 |
| 08:40 AM - 08:45 AM | 51.9 | 49.4 | 07:20 AM - 07:25 AM | 58.0 | 50.2 | 10:00 AM - 10:05 AM | 51.8 | 47.8 |
| 08:45 AM - 08:50 AM | 51.4 | 49.5 | 07:25 AM - 07:30 AM | 52.1 | 49.9 | 10:05 AM - 10:10 AM | 49.5 | 47.6 |
| 08:50 AM - 08:55 AM | 52.4 | 50.6 | 07:30 AM - 07:35 AM | 55.6 | 49.9 | 10:10 AM - 10:15 AM | 50.1 | 47.9 |
| 08:55 AM - 09:00 AM | 52.2 | 50.6 | 07:35 AM - 07:40 AM | 61.9 | 54.7 | 10:15 AM - 10:20 AM | 52.1 | 49.1 |
| 09:00 AM - 09:05 AM | 52.5 | 50.5 | 07:40 AM - 07:45 AM | 55.4 | 49.6 | 10:20 AM - 10:25 AM | 51.5 | 48.8 |
| 09:05 AM - 09:10 AM | 53.1 | 50.8 | 07:45 AM - 07:50 AM | 52.3 | 49.4 | 10:25 AM - 10:30 AM | 52.0 | 48.7 |
| 09:10 AM - 09:15 AM | 53.0 | 51.0 | 07:50 AM - 07:55 AM | 62.6 | 50.7 | 10:30 AM - 10:35 AM | 51.9 | 48.8 |
| 09:15 AM - 09:20 AM | 54.4 | 50.9 | 07:55 AM - 08:00 AM | 62.1 | 51.4 | 10:35 AM - 10:40 AM | 51.3 | 48.1 |
| 09:20 AM - 09:25 AM | 52.5 | 50.4 | 08:00 AM - 08:05 AM | 60.3 | 54.8 | 10:40 AM - 10:45 AM | 46.3 | 47.3 |
| 09:25 AM - 09:30 AM | 53.3 | 51.0 | 08:05 AM - 08:10 AM | 56.1 | 50.0 | 10:45 AM - 10:50 AM | 49.9 | 46.8 |
| 09:30 AM - 09:35 AM | 53.5 | 51.2 | 08:10 AM - 08:15 AM | 56.2 | 50.5 | 10:50 AM - 10:55 AM | 49.4 | 47.1 |
| 09:35 AM - 09:40 AM | 53.8 | 50.9 | 08:15 AM - 08:20 AM | 53.4 | 50.1 | 10:55 AM - 11:00 AM | 52.2 | 47.1 |
| 09:40 AM - 09:45 AM | 52.8 | 51.2 | 08:20 AM - 08:25 AM | 51.5 | 49.5 | 11:00 AM - 11:05 AM | 49.6 | 47.1 |
| 09:45 AM - 09:50 AM | 54.4 | 51.0 | 08:25 AM - 08:30 AM | 59.7 | 49.9 | 11:05 AM - 11:10 AM | 49.9 | 47.3 |
| 09:50 AM - 09:55 AM | 52.4 | 50.9 | 08:30 AM - 08:35 AM | 59.8 | 49.8 | 11:10 AM - 11:15 AM | 48.5 | 46.6 |
| 09:55 AM - 10:00 AM | 53.6 | 51.6 | 08:35 AM - 08:40 AM | 52.9 | 50.2 | 11:15 AM - 11:20 AM | 49.4 | 46.9 |
| 10:00 AM - 09:05 AM | 53.0 | 50.8 | 08:40 AM - 08:45 AM | 58.7 | 50.3 | 11:20 AM - 11:25 AM | 50.7 | 47.7 |
| 10:05 AM - 09:10 AM | 52.6 | 50.6 | 08:45 AM - 08:50 AM | 52.4 | 49.5 | 11:25 AM - 11:30 AM | 52.0 | 47.2 |
| 10:10 AM - 09:15 AM | 56.8 | 50.6 | 08:50 AM - 08:55 AM | 52.8 | 50.0 | 11:30 AM - 11:35 AM | 51.8 | 47.3 |
| 10:15 AM - 09:20 AM | 55.2 | 50.2 | 08:55 AM - 09:00 AM | 53.1 | 49.6 | 11:35 AM - 11:40 AM | 51.3 | 47.4 |
| 10:20 AM - 09:25 AM | 52.6 | 50.3 | 09:00 AM - 09:05 AM | 50.5 | 49.0 | 11:40 AM - 11:45 AM | 50.2 | 47.3 |
| 10:25 AM - 09:30 AM | 51.7 | 49.6 | 09:05 AM - 09:10 AM | 51.7 | 49.0 | 11:45 AM - 11:50 AM | 49.5 | 46.8 |
| 10:30 AM - 09:35 AM | 53.9 | 49.9 | 09:10 AM - 09:15 AM | 56.4 | 49.0 | 11:50 AM - 11:55 AM | 49.2 | 46.8 |
| 10:35 AM - 09:40 AM | 52.5 | 49.8 | 09:15 AM - 09:20 AM | 51.8 | 49.4 | 11:55 AM - 12:00 PM | 49.1 | 46.8 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-2
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 226255-1

Page 2 of 3

Sample Number : 2227911-2
Parameter : Noise Level (Leq 5 min)
Location : Map Ta Phut (GPS 47P 0735038, 1405843)
Measurement Date : Mar 08 - Mar 09, 2022
Measurement by : Satcha Phetawong
Sound Level meter : Serial No. 00223184

| Mar 08, 2022 | Leq | L90 | Mar 08 - Mar 09, 2022 | Leq | L90 | Mar 09, 2022 | Leq | L90 |
|---------------------|-------|-------|-----------------------|-------|-------|---------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 08:00 PM - 08:05 PM | 48.6 | 46.4 | 10:40 PM - 10:45 PM | 45.3 | 44.1 | 01:20 AM - 01:25 AM | 46.7 | 45.3 |
| 08:05 PM - 08:10 PM | 47.1 | 45.8 | 10:45 PM - 10:50 PM | 50.6 | 45.8 | 01:25 AM - 01:30 AM | 46.6 | 45.0 |
| 08:10 PM - 08:15 PM | 47.0 | 45.4 | 10:50 PM - 10:55 PM | 44.6 | 43.5 | 01:30 AM - 01:35 AM | 45.9 | 44.9 |
| 08:15 PM - 08:20 PM | 46.1 | 45.4 | 10:55 PM - 11:00 PM | 47.9 | 45.3 | 01:35 AM - 01:40 AM | 46.8 | 45.1 |
| 08:20 PM - 08:25 PM | 47.5 | 45.0 | 11:00 PM - 11:05 PM | 46.2 | 45.5 | 01:40 AM - 01:45 AM | 45.9 | 44.5 |
| 08:25 PM - 08:30 PM | 47.7 | 45.5 | 11:05 PM - 11:10 PM | 46.7 | 45.7 | 01:45 AM - 01:50 AM | 44.8 | 43.7 |
| 08:30 PM - 08:35 PM | 47.0 | 45.5 | 11:10 PM - 11:15 PM | 46.6 | 45.4 | 01:50 AM - 01:55 AM | 46.0 | 44.3 |
| 08:35 PM - 08:40 PM | 47.7 | 46.0 | 11:15 PM - 11:20 PM | 45.6 | 44.9 | 01:55 AM - 02:00 AM | 46.3 | 44.5 |
| 08:40 PM - 08:45 PM | 47.1 | 46.1 | 11:20 PM - 11:25 PM | 47.0 | 45.8 | 02:00 AM - 02:05 AM | 45.4 | 44.2 |
| 08:45 PM - 08:50 PM | 46.8 | 46.1 | 11:25 PM - 11:30 PM | 46.4 | 45.3 | 02:05 AM - 02:10 AM | 44.9 | 44.0 |
| 08:50 PM - 08:55 PM | 46.8 | 45.8 | 11:30 PM - 11:35 PM | 47.5 | 46.1 | 02:10 AM - 02:15 AM | 45.2 | 44.0 |
| 08:55 PM - 09:00 PM | 46.9 | 45.5 | 11:35 PM - 11:40 PM | 47.4 | 45.2 | 02:15 AM - 02:20 AM | 45.0 | 43.4 |
| 09:00 PM - 09:05 PM | 49.7 | 45.6 | 11:40 PM - 11:45 PM | 45.6 | 44.8 | 02:20 AM - 02:25 AM | 44.5 | 43.1 |
| 09:05 PM - 09:10 PM | 46.0 | 44.7 | 11:45 PM - 11:50 PM | 45.8 | 44.9 | 02:25 AM - 02:30 AM | 46.1 | 44.5 |
| 09:10 PM - 09:15 PM | 49.7 | 45.8 | 11:50 PM - 11:55 PM | 46.7 | 45.8 | 02:30 AM - 02:35 AM | 45.3 | 44.3 |
| 09:15 PM - 09:20 PM | 45.7 | 45.0 | 11:55 PM - 12:00 AM | 47.0 | 44.7 | 02:35 AM - 02:40 AM | 45.4 | 44.3 |
| 09:20 PM - 09:25 PM | 45.9 | 45.0 | 12:00 AM - 12:05 AM | 45.1 | 46.3 | 02:40 AM - 02:45 AM | 45.6 | 44.4 |
| 09:25 PM - 09:30 PM | 46.9 | 45.5 | 12:05 AM - 12:10 AM | 45.7 | 44.7 | 02:45 AM - 02:50 AM | 45.8 | 44.0 |
| 09:30 PM - 09:35 PM | 47.2 | 45.8 | 12:10 AM - 12:15 AM | 46.5 | 45.7 | 02:50 AM - 02:55 AM | 46.5 | 44.6 |
| 09:35 PM - 09:40 PM | 46.7 | 44.6 | 12:15 AM - 12:20 AM | 54.6 | 47.2 | 02:55 AM - 03:00 AM | 49.1 | 47.7 |
| 09:40 PM - 09:45 PM | 46.0 | 44.5 | 12:20 AM - 12:25 AM | 45.7 | 44.7 | 03:00 AM - 03:05 AM | 49.0 | 48.2 |
| 09:45 PM - 09:50 PM | 46.2 | 44.5 | 12:25 AM - 12:30 AM | 45.7 | 45.0 | 03:05 AM - 03:10 AM | 48.9 | 48.1 |
| 09:50 PM - 10:00 PM | 45.9 | 44.4 | 12:30 AM - 12:35 AM | 45.4 | 44.5 | 03:10 AM - 03:15 AM | 48.4 | 47.9 |
| 09:55 PM - 10:05 PM | 45.6 | 44.0 | 12:35 AM - 12:40 AM | 55.1 | 47.8 | 03:15 AM - 03:20 AM | 49.0 | 47.9 |
| 10:00 PM - 10:05 PM | 45.3 | 44.1 | 12:40 AM - 12:45 AM | 47.6 | 45.5 | 03:20 AM - 03:25 AM | 49.0 | 48.2 |
| 10:05 PM - 10:10 PM | 48.4 | 44.1 | 12:45 AM - 12:50 AM | 46.6 | 44.8 | 03:25 AM - 03:30 AM | 48.8 | 48.0 |
| 10:10 PM - 10:15 PM | 45.8 | 42.8 | 12:50 AM - 12:55 AM | 45.3 | 44.5 | 03:30 AM - 03:35 AM | 46.2 | 48.3 |
| 10:15 PM - 10:20 PM | 44.4 | 42.7 | 12:55 AM - 01:00 AM | 45.4 | 44.9 | 03:35 AM - 03:40 AM | 49.5 | 48.6 |
| 10:20 PM - 10:25 PM | 47.0 | 43.6 | 01:00 AM - 01:05 AM | 47.6 | 44.0 | 03:40 AM - 01:45 AM | 49.6 | 48.2 |
| 10:25 PM - 10:30 PM | 46.4 | 44.0 | 01:05 AM - 01:10 AM | 45.1 | 44.1 | 03:45 AM - 01:50 AM | 50.1 | 48.5 |
| 10:30 PM - 10:35 PM | 46.2 | 44.1 | 01:10 AM - 01:15 AM | 45.7 | 44.6 | 03:50 AM - 03:55 AM | 47.1 | 45.2 |
| 10:35 PM - 10:40 PM | 46.3 | 44.0 | 01:15 AM - 01:20 AM | 46.1 | 45.3 | 03:55 AM - 04:00 AM | 46.7 | 44.8 |

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Approved by

Satcha Phetawong
Assistant General Manager

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



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-2
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 226255-1

Page 3 of 3

Sample Number : 2227911-2
Parameter : Noise Level (Leq 5 min)
Location : Map Ta Phut (GPS 47P 0735038, 1405843)
Measurement Date : Mar 08 - Mar 09, 2022
Measurement by : Satcha Phetawong
Sound Level meter : Serial No. 00223184

| Mar 09, 2022 | Leq | L90 | Mar 09, 2022 | Leq | L90 | Mar 09, 2022 | Leq | L90 |
|---------------------|-------|-------|---------------------|-------|-------|---------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 04:00 AM - 04:05 AM | 46.7 | 45.2 | 06:40 AM - 06:45 AM | 53.9 | 48.8 | 09:20 AM - 09:25 AM | 48.8 | 46.7 |
| 04:05 AM - 04:10 AM | 48.2 | 46.2 | 06:45 AM - 06:50 AM | 56.3 | 48.1 | 09:25 AM - 09:30 AM | 51.3 | 47.1 |
| 04:10 AM - 04:15 AM | 49.5 | 47.1 | 06:50 AM - 06:55 AM | 59.2 | 51.0 | 09:30 AM - 09:35 AM | 49.4 | 46.9 |
| 04:15 AM - 04:20 AM | 52.3 | 46.7 | 06:55 AM - 07:00 AM | 56.9 | 50.3 | 09:35 AM - 09:40 AM | 53.4 | 48.9 |
| 04:20 AM - 04:25 AM | 55.8 | 50.0 | 07:00 AM - 07:05 AM | 57.6 | 49.8 | 09:40 AM - 09:45 AM | 54.3 | 52.4 |
| 04:25 AM - 04:30 AM | 57.6 | 55.4 | 07:05 AM - 07:10 AM | 55.8 | 48.5 | 09:45 AM - 09:50 AM | 53.9 | 50.6 |
| 04:30 AM - 04:35 AM | 63.6 | 51.1 | 07:10 AM - 07:15 AM | 49.5 | 46.7 | 09:50 AM - 09:55 AM | 53.3 | 49.6 |
| 04:35 AM - 04:40 AM | 50.1 | 48.2 | 07:15 AM - 07:20 AM | 50.3 | 48.9 | 09:55 AM - 10:00 AM | 50.9 | 47.8 |
| 04:40 AM - 04:45 AM | 50.4 | 48.2 | 07:20 AM - 07:25 AM | 57.6 | 47.4 | 10:00 AM - 10:05 AM | 56.0 | 47.5 |
| 04:45 AM - 04:50 AM | 51.2 | 48.8 | 07:25 AM - 07:30 AM | 56.8 | 46.9 | 10:05 AM - 10:10 AM | 50.0 | 46.0 |
| 04:50 AM - 04:55 AM | 51.8 | 49.8 | 07:30 AM - 07:35 AM | 58.8 | 47.7 | 10:10 AM - 10:15 AM | 50.0 | 47.9 |
| 04:55 AM - 05:00 AM | 52.0 | 49.5 | 07:35 AM - 07:40 AM | 61.4 | 48.7 | 10:15 AM - 10:20 AM | 53.4 | 49.8 |
| 05:00 AM - 05:05 AM | 51.2 | 49.6 | 07:40 AM - 07:45 AM | 57.9 | 51.0 | 10:20 AM - 10:25 AM | 50.9 | 48.6 |
| 05:05 AM - 05:10 AM | 51.3 | 49.8 | 07:45 AM - 07:50 AM | 58.6 | 53.6 | 10:25 AM - 10:30 AM | 51.0 | 48.6 |
| 05:10 AM - 05:15 AM | 53.2 | 49.6 | 07:50 AM - 07:55 AM | 61.8 | 53.0 | 10:30 AM - 10:35 AM | 53.7 | 50.3 |
| 05:15 AM - 05:20 AM | 52.4 | 50.2 | 07:55 AM - 08:00 AM | 54.9 | 53.8 | 10:35 AM - 10:40 AM | 54.7 | 49.3 |
| 05:20 AM - 05:25 AM | 52.5 | 50.5 | 08:00 AM - 08:05 AM | 50.9 | 55.4 | 10:40 AM - 10:45 AM | 50.8 | 47.4 |
| 05:25 AM - 05:30 AM | 53.1 | 50.6 | 08:05 AM - 08:10 AM | 57.0 | 49.4 | 10:45 AM - 10:50 AM | 52.7 | 47.7 |
| 05:30 AM - 05:35 AM | 51.3 | 49.9 | 08:10 AM - 08:15 AM | 52.6 | 48.6 | 10:50 AM - 10:55 AM | 49.8 | 46.8 |
| 05:35 AM - 05:40 AM | 51.9 | 49.8 | 08:15 AM - 08:20 AM | 49.2 | 46.7 | 10:55 AM - 11:00 AM | 48.7 | 45.4 |
| 05:40 AM - 05:45 AM | 51.5 | 49.4 | 08:20 AM - 08:25 AM | 49.1 | 46.7 | 11:00 AM - 11:05 AM | 51.7 | 46.9 |
| 05:45 AM - 05:50 AM | 51.0 | 49.0 | 08:25 AM - 08:30 AM | 44.5 | 47.1 | 11:05 AM - 11:10 AM | 53.1 | 47.4 |
| 05:50 AM - 05:55 AM | 53.2 | 50.0 | 08:30 AM - 08:35 AM | 56.7 | 53.0 | 11:10 AM - 11:15 AM | 51.4 | 47.7 |
| 05:55 AM - 06:00 AM | 52.2 | 49.8 | 08:35 AM - 08:40 AM | 55.0 | 49.0 | 11:15 AM - 11:20 AM | 53.2 | 48.3 |
| 06:00 AM - 06:05 AM | 50.7 | 48.5 | 08:40 AM - 08:45 AM | 51.2 | 46.7 | 11:20 AM - 11:25 AM | 53.5 | 47.6 |
| 06:05 AM - 06:10 AM | 51.8 | 48.5 | 08:45 AM - 08:50 AM | 51.1 | 46.8 | 11:25 AM - 11:30 AM | 50.0 | 47.6 |
| 06:10 AM - 06:15 AM | 50.9 | 48.7 | 08:50 AM - 08:55 AM | 49.4 | 46.4 | 11:30 AM - 11:35 AM | 53.0 | 48.4 |
| 06:15 AM - 06:20 AM | 51.1 | 47.8 | 08:55 AM - 09:00 AM | 46.5 | 48.5 | 11:35 AM - 11:40 AM | 51.2 | 48.4 |
| 06:20 AM - 06:25 AM | 52.0 | 48.0 | 09:00 AM - 09:05 AM | 48.4 | 46.2 | 11:40 AM - 11:45 AM | 53.2 | 47.9 |
| 06:25 AM - 06:30 AM | 50.1 | 47.7 | 09:05 AM - 09:10 AM | 48.3 | 46.4 | 11:45 AM - 11:50 AM | 51.7 | 48.2 |
| 06:30 AM - 06:35 AM | 53.6 | 48.0 | 09:10 AM - 09:15 AM | 46.3 | 48.0 | 11:50 AM - 11:55 AM | 55.1 | 48.3 |
| 06:35 AM - 06:40 AM | 50.0 | 47.4 | 09:15 AM - 09:20 AM | 48.4 | 46.3 | 11:55 AM - 12:00 PM | 51.9 | 48.7 |

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Approved by

Satcha Phetawong
Assistant General Manager

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



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-2
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 226255-1

Page 1 of 3

Sample Number : 2227911-2
Parameter : Noise Level (Leq 5 min)
Location : Map Ta Phut (GPS 47P 0735038, 1405843)
Measurement Date : Mar 09 - Mar 10, 2022
Measurement by : Satcha Phetawong
Sound Level meter : Serial No. 00223184

| Mar 09, 2022 | Leq | L90 | Mar 09, 2022 | Leq | L90 | Mar 09, 2022 | Leq | L90 |
|---------------------|-------|-------|---------------------|-------|-------|---------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 12:00 PM - 12:05 PM | 51.1 | 47.3 | 02:40 PM - 02:45 PM | 49.7 | 47.3 | 05:20 PM - 05:25 PM | 50.2 | 48.3 |
| 12:05 PM - 12:10 PM | 50.3 | 47.2 | 02:45 PM - 02:50 PM | 50.2 | 47.1 | 05:25 PM - 05:30 PM | 51.5 | 48.5 |
| 12:10 PM - 12:15 PM | 50.0 | 47.6 | 02:50 PM - 02:55 PM | 54.1 | 48.7 | 05:30 PM - 05:35 PM | 50.5 | 48.0 |
| 12:15 PM - 12:20 PM | 50.2 | 47.5 | 02:55 PM - 03:00 PM | 51.3 | 46.1 | 05:35 PM - 05:40 PM | 50.7 | 47.3 |
| 12:20 PM - 12:25 PM | 52.7 | 46.9 | 03:00 PM - 03:05 PM | 53.7 | 49.3 | 05:40 PM - 05:45 PM | 53.3 | 48.2 |
| 12:25 PM - 12:30 PM | 52.9 | 49.7 | 03:05 PM - 03:10 PM | 52.7 | 49.3 | 05:45 PM - 05:50 PM | 51.7 | 47.3 |
| 12:30 PM - 12:35 PM | 52.7 | 48.7 | 03:10 PM - 03:15 PM | 50.1 | 47.9 | 05:50 PM - 05:55 PM | 54.2 | 47.6 |
| 12:35 PM - 12:40 PM | 52.2 | 47.0 | 03:15 PM - 03:20 PM | 51.5 | 48.4 | 05:55 PM - 06:00 PM | 54.6 | 47.6 |
| 12:40 PM - 12:45 PM | 49.2 | 46.6 | 03:20 PM - 03:25 PM | 53.1 | 48.6 | 06:00 PM - 06:05 PM | 48.9 | 46.9 |
| 12:45 PM - 12:50 PM | 54.5 | 47.8 | 03:25 PM - 03:30 PM | 50.0 | 46.6 | 06:05 PM - 06:10 PM | 49.7 | 47.5 |
| 12:50 PM - 12:55 PM | 49.3 | 47.0 | 03:30 PM - 03:35 PM | 53.2 | 49.2 | 06:10 PM - 06:15 PM | 49.7 | 48.3 |
| 12:55 PM - 01:00 PM | 49.2 | 47.1 | 03:35 PM - 03:40 PM | 51.7 | 48.5 | 06:15 PM - 06:20 PM | 49.1 | 47.4 |
| 01:00 PM - 01:05 PM | 50.6 | 46.8 | 03:40 PM - 03:45 PM | 52.1 | 48.3 | 06:20 PM - 06:25 PM | 49.7 | 47.5 |
| 01:05 PM - 01:10 PM | 50.2 | 46.9 | 03:45 PM - 03:50 PM | 52.8 | 48.2 | 06:25 PM - 06:30 PM | 50.6 | 48.1 |
| 01:10 PM - 01:15 PM | 49.4 | 46.9 | 03:50 PM - 03:55 PM | 52.3 | 48.6 | 06:30 PM - 06:35 PM | 50.2 | 48.3 |
| 01:15 PM - 01:20 PM | 51.7 | 46.8 | 03:55 PM - 04:00 PM | 55.4 | 49.4 | 06:35 PM - 06:40 PM | 49.6 | 48.9 |
| 01:20 PM - 01:25 PM | 53.6 | 48.7 | 04:00 PM - 04:05 PM | 52.8 | 48.5 | 06:40 PM - 06:45 PM | 49.2 | 47.0 |
| 01:25 PM - 01:30 PM | 53.5 | 49.1 | 04:05 PM - 04:10 PM | 51.9 | 48.8 | 06:45 PM - 06:50 PM | 48.1 | 48.3 |
| 01:30 PM - 01:35 PM | 52.0 | 46.5 | 04:10 PM - 04:15 PM | 52.8 | 49.2 | 06:50 PM - 06:55 PM | 48.4 | 48.3 |
| 01:35 PM - 01:40 PM | 52.0 | 48.5 | 04:15 PM - 04:20 PM | 53.6 | 48.9 | 06:55 PM - 07:00 PM | 49.5 | 48.1 |
| 01:40 PM - 01:45 PM | 52.0 | 48.8 | 04:20 PM - 04:25 PM | 55.0 | 49.2 | 07:00 PM - 07:05 PM | 52.4 | 47.2 |
| 01:45 PM - 01:50 PM | 51.1 | 48.1 | 04:25 PM - 04:30 PM | 53.3 | 49.2 | 07:05 PM - 07:10 PM | 48.8 | 46.4 |
| 01:50 PM - 01:55 PM | 56.3 | 48.5 | 04:30 PM - 04:35 PM | 51.5 | 48.9 | 07:10 PM - 07:15 PM | 47.8 | 45.7 |
| 01:55 PM - 02:00 PM | 52.3 | 48.4 | 04:35 PM - 04:40 PM | 53.1 | 49.3 | 07:15 PM - 07:20 PM | 48.1 | 45.1 |
| 02:00 PM - 02:05 PM | 54.5 | 48.0 | 04:40 PM - 04:45 PM | 58.1 | 49.0 | 07:20 PM - 07:25 PM | 49.4 | 45.9 |
| 02:05 PM - 02:10 PM | 54.5 | 48.0 | 04:45 PM - 04:50 PM | 60.8 | 52.2 | 07:25 PM - 07:30 PM | 56.6 | 45.8 |
| 02:10 PM - 02:15 PM | 51.1 | 48.1 | 04:50 PM - 04:55 PM | 57.5 | 46.2 | 07:30 PM - 07:35 PM | 59.0 | 47.4 |
| 02:15 PM - 02:20 PM | 50.5 | 47.9 | 04:55 PM - 05:00 PM | 67.6 | 44.6 | 07:35 PM - 07:40 PM | 52.9 | 47.4 |
| 02:20 PM - 02:25 PM | 51.1 | 47.4 | 05:00 PM - 05:05 PM | 61.7 | 50.2 | 07:40 PM - 07:45 PM | 51.5 | 47.8 |
| 02:25 PM - 02:30 PM | 50.6 | 47.0 | 05:05 PM - 05:10 PM | 56.6 | 46.7 | 07:45 PM - 07:50 PM | 53.2 | 47.3 |
| 02:30 PM - 02:35 PM | 52.8 | 48.0 | 05:10 PM - 05:15 PM | 53.0 | 48.3 | 07:50 PM - 07:55 PM | 51.3 | 47.4 |
| 02:35 PM - 02:40 PM | 52.1 | 48.1 | 05:15 PM - 05:20 PM | 50.9 | 48.0 | 07:55 PM - 08:00 PM | 53.3 | 47.4 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-3
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262056-1

Page 2 of 3

Sample Number : 2227911-3
Parameter : Noise Level (Leq 5 min)
Location : สุราษฎร์ธานี (GPS 47P 0735035, 1405843)
Measurement Date : Mar 09 - Mar 10, 2022
Measurement by : Seitcha Phetsawang
Sound Level meter : Serial No. 00233194

| Mar 10, 2022 | Leq dB(A) | L90 dB(A) | Mar 10, 2022 | Leq dB(A) | L90 dB(A) | Mar 10, 2022 | Leq dB(A) | L90 dB(A) |
|---------------------|--------------|--------------|---------------------|--------------|--------------|---------------------|--------------|--------------|
| Time | | | Time | | | Time | | |
| 04:00 AM - 04:05 AM | 47.6 | 45.6 | 06:40 AM - 06:45 AM | 52.6 | 48.2 | 09:20 AM - 09:25 AM | 57.6 | 48.6 |
| 04:05 AM - 04:10 AM | 48.0 | 46.2 | 06:45 AM - 06:50 AM | 53.2 | 48.5 | 09:25 AM - 09:30 AM | 56.7 | 48.0 |
| 04:10 AM - 04:15 AM | 53.6 | 47.0 | 06:50 AM - 06:55 AM | 53.6 | 49.0 | 09:30 AM - 09:35 AM | 51.0 | 48.7 |
| 04:15 AM - 04:20 AM | 60.7 | 47.5 | 06:55 AM - 07:00 AM | 51.7 | 48.0 | 09:35 AM - 09:40 AM | 54.5 | 47.9 |
| 04:20 AM - 04:25 AM | 64.6 | 48.5 | 07:00 AM - 07:05 AM | 53.4 | 49.3 | 09:40 AM - 09:45 AM | 59.7 | 50.0 |
| 04:25 AM - 04:30 AM | 63.8 | 63.7 | 07:05 AM - 07:10 AM | 52.5 | 48.5 | 09:45 AM - 09:50 AM | 54.6 | 48.9 |
| 04:30 AM - 04:35 AM | 55.8 | 51.3 | 07:10 AM - 07:15 AM | 50.2 | 46.8 | 09:50 AM - 09:55 AM | 55.6 | 48.9 |
| 04:35 AM - 04:40 AM | 55.0 | 48.8 | 07:15 AM - 07:20 AM | 51.4 | 47.0 | 09:55 AM - 10:00 AM | 53.7 | 48.5 |
| 04:40 AM - 04:45 AM | 53.0 | 49.0 | 07:20 AM - 07:25 AM | 56.1 | 48.6 | 10:00 AM - 10:05 AM | 51.3 | 48.1 |
| 04:45 AM - 04:50 AM | 52.8 | 49.4 | 07:25 AM - 07:30 AM | 53.7 | 48.8 | 10:05 AM - 10:10 AM | 50.5 | 48.7 |
| 04:50 AM - 04:55 AM | 51.5 | 49.5 | 07:30 AM - 07:35 AM | 51.0 | 47.3 | 10:10 AM - 10:15 AM | 50.3 | 48.9 |
| 04:55 AM - 05:00 AM | 53.5 | 49.9 | 07:35 AM - 07:40 AM | 52.1 | 47.5 | 10:15 AM - 10:20 AM | 53.5 | 49.8 |
| 05:00 AM - 05:05 AM | 52.4 | 50.1 | 07:40 AM - 07:45 AM | 51.6 | 47.2 | 10:20 AM - 10:25 AM | 52.4 | 50.5 |
| 05:05 AM - 05:10 AM | 53.2 | 49.7 | 07:45 AM - 07:50 AM | 53.3 | 48.3 | 10:25 AM - 10:30 AM | 53.4 | 50.3 |
| 05:10 AM - 05:15 AM | 51.7 | 49.8 | 07:50 AM - 07:55 AM | 51.6 | 48.3 | 10:30 AM - 10:35 AM | 53.6 | 50.2 |
| 05:15 AM - 05:20 AM | 52.6 | 49.4 | 07:55 AM - 08:00 AM | 51.6 | 48.3 | 10:35 AM - 10:40 AM | 53.1 | 50.3 |
| 05:20 AM - 05:25 AM | 51.8 | 49.6 | 08:00 AM - 08:05 AM | 52.2 | 48.4 | 10:40 AM - 10:45 AM | 50.7 | 48.4 |
| 05:25 AM - 05:30 AM | 52.9 | 50.0 | 08:05 AM - 08:10 AM | 56.2 | 48.4 | 10:45 AM - 10:50 AM | 50.1 | 48.4 |
| 05:30 AM - 05:35 AM | 54.3 | 50.5 | 08:10 AM - 08:15 AM | 51.6 | 48.5 | 10:50 AM - 10:55 AM | 50.5 | 48.5 |
| 05:35 AM - 05:40 AM | 53.2 | 50.3 | 08:15 AM - 08:20 AM | 51.6 | 47.9 | 10:55 AM - 11:00 AM | 50.0 | 48.3 |
| 05:40 AM - 05:45 AM | 51.8 | 49.5 | 08:20 AM - 08:25 AM | 52.8 | 48.2 | 11:00 AM - 11:05 AM | 50.3 | 48.4 |
| 05:45 AM - 05:50 AM | 52.2 | 49.3 | 08:25 AM - 08:30 AM | 55.1 | 50.0 | 11:05 AM - 11:10 AM | 52.3 | 48.4 |
| 05:50 AM - 05:55 AM | 54.4 | 49.0 | 08:30 AM - 08:35 AM | 51.9 | 50.3 | 11:10 AM - 11:15 AM | 50.4 | 47.9 |
| 05:55 AM - 06:00 AM | 53.0 | 49.3 | 08:35 AM - 08:40 AM | 51.3 | 47.7 | 11:15 AM - 11:20 AM | 52.3 | 49.1 |
| 06:00 AM - 06:05 AM | 52.3 | 49.6 | 08:40 AM - 08:45 AM | 50.2 | 47.8 | 11:20 AM - 11:25 AM | 54.6 | 49.0 |
| 06:05 AM - 06:10 AM | 51.1 | 48.9 | 08:45 AM - 08:50 AM | 54.1 | 47.8 | 11:25 AM - 11:30 AM | 52.4 | 48.7 |
| 06:10 AM - 06:15 AM | 51.8 | 48.8 | 08:50 AM - 08:55 AM | 51.9 | 47.6 | 11:30 AM - 11:35 AM | 53.1 | 49.0 |
| 06:15 AM - 06:20 AM | 52.0 | 47.7 | 08:55 AM - 09:00 AM | 57.9 | 47.6 | 11:35 AM - 11:40 AM | 50.9 | 51.7 |
| 06:20 AM - 06:25 AM | 49.4 | 47.1 | 09:00 AM - 09:05 AM | 53.8 | 48.7 | 11:40 AM - 11:45 AM | 56.6 | 50.3 |
| 06:25 AM - 06:30 AM | 53.0 | 47.9 | 09:05 AM - 09:10 AM | 58.3 | 47.8 | 11:45 AM - 11:50 AM | 52.7 | 48.2 |
| 06:30 AM - 06:35 AM | 52.0 | 48.3 | 09:10 AM - 09:15 AM | 56.0 | 49.0 | 11:50 AM - 11:55 AM | 58.1 | 51.3 |
| 06:35 AM - 06:40 AM | 51.8 | 48.2 | 09:15 AM - 09:20 AM | 56.5 | 49.2 | 11:55 AM - 12:00 PM | 57.4 | 54.0 |

The above results are valid only for the test and analytical methods as indicated in this report. No part of this report can be used or reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) Co., Ltd. recommends that this report is not reproduced except in full.

Approved by

Saranyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-4
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262057-1

Page 2 of 3

Sample Number : 2227911-4
Parameter : Noise Level (Leq 5 min)
Location : สุราษฎร์ธานี (GPS 47P 0735035, 1405843)
Measurement Date : Mar 10 - Mar 11, 2022
Measurement by : Seitcha Phetsawang
Sound Level meter : Serial No. 00233194

| Mar 10, 2022 | Leq dB(A) | L90 dB(A) | Mar 10 - Mar 11, 2022 | Leq dB(A) | L90 dB(A) | Mar 11, 2022 | Leq dB(A) | L90 dB(A) |
|---------------------|--------------|--------------|-----------------------|--------------|--------------|---------------------|--------------|--------------|
| Time | | | Time | | | Time | | |
| 08:00 PM - 08:05 PM | 48.2 | 45.3 | 10:40 PM - 10:45 PM | 43.3 | 42.1 | 01:20 AM - 01:25 AM | 45.7 | 43.5 |
| 08:05 PM - 08:10 PM | 47.2 | 44.9 | 10:45 PM - 10:50 PM | 43.7 | 42.3 | 01:25 AM - 01:30 AM | 44.8 | 43.3 |
| 08:10 PM - 08:15 PM | 51.8 | 48.3 | 10:50 PM - 10:55 PM | 44.5 | 42.3 | 01:30 AM - 01:35 AM | 43.8 | 42.8 |
| 08:15 PM - 08:20 PM | 50.0 | 49.1 | 10:55 PM - 11:00 PM | 44.4 | 42.5 | 01:35 AM - 01:40 AM | 43.5 | 42.6 |
| 08:20 PM - 08:25 PM | 50.0 | 49.3 | 11:00 PM - 11:05 PM | 45.5 | 42.6 | 01:40 AM - 01:45 AM | 45.2 | 43.3 |
| 08:25 PM - 08:30 PM | 50.3 | 49.2 | 11:05 PM - 11:10 PM | 43.5 | 42.3 | 01:45 AM - 01:50 AM | 50.5 | 46.0 |
| 08:30 PM - 08:35 PM | 50.0 | 49.2 | 11:10 PM - 11:15 PM | 46.3 | 42.8 | 01:50 AM - 01:55 AM | 60.2 | 60.1 |
| 08:35 PM - 08:40 PM | 50.3 | 49.1 | 11:15 PM - 11:20 PM | 47.1 | 42.6 | 01:55 AM - 02:00 AM | 60.3 | 55.7 |
| 08:40 PM - 08:45 PM | 50.1 | 49.1 | 11:20 PM - 11:25 PM | 46.8 | 43.3 | 02:00 AM - 02:05 AM | 56.5 | 54.9 |
| 08:45 PM - 08:50 PM | 49.7 | 49.0 | 11:25 PM - 11:30 PM | 45.8 | 43.4 | 02:05 AM - 02:10 AM | 48.7 | 43.0 |
| 08:50 PM - 08:55 PM | 45.9 | 44.2 | 11:30 PM - 11:35 PM | 46.9 | 43.6 | 02:10 AM - 02:15 AM | 47.9 | 43.7 |
| 08:55 PM - 09:00 PM | 46.4 | 44.4 | 11:35 PM - 11:40 PM | 46.2 | 43.2 | 02:15 AM - 02:20 AM | 45.7 | 43.7 |
| 09:00 PM - 09:05 PM | 46.0 | 44.4 | 11:40 PM - 11:45 PM | 41.7 | 40.8 | 02:20 AM - 02:25 AM | 44.7 | 43.5 |
| 09:05 PM - 09:10 PM | 45.8 | 44.4 | 11:45 PM - 11:50 PM | 41.2 | 40.4 | 02:25 AM - 02:30 AM | 46.3 | 44.4 |
| 09:10 PM - 09:15 PM | 45.2 | 43.7 | 11:50 PM - 11:55 PM | 45.0 | 43.0 | 02:30 AM - 02:35 AM | 46.6 | 44.6 |
| 09:15 PM - 09:20 PM | 44.0 | 42.8 | 11:55 PM - 12:00 AM | 44.6 | 42.9 | 02:35 AM - 02:40 AM | 47.3 | 44.9 |
| 09:20 PM - 09:25 PM | 45.8 | 44.0 | 12:00 AM - 12:05 AM | 46.2 | 43.1 | 02:40 AM - 02:45 AM | 46.7 | 44.0 |
| 09:25 PM - 09:30 PM | 47.0 | 44.5 | 12:05 AM - 12:10 AM | 46.4 | 43.0 | 02:45 AM - 02:50 AM | 47.0 | 44.9 |
| 09:30 PM - 09:35 PM | 45.8 | 44.2 | 12:10 AM - 12:15 AM | 44.6 | 42.3 | 02:50 AM - 02:55 AM | 47.6 | 45.9 |
| 09:35 PM - 09:40 PM | 45.8 | 44.4 | 12:15 AM - 12:20 AM | 45.2 | 43.0 | 02:55 AM - 03:00 AM | 46.5 | 44.8 |
| 09:40 PM - 09:45 PM | 45.5 | 44.6 | 12:20 AM - 12:25 AM | 44.8 | 42.7 | 03:00 AM - 03:05 AM | 45.7 | 44.0 |
| 09:45 PM - 09:50 PM | 45.5 | 44.5 | 12:25 AM - 12:30 AM | 45.9 | 42.6 | 03:05 AM - 03:10 AM | 46.5 | 44.5 |
| 09:50 PM - 09:55 PM | 45.7 | 43.8 | 12:30 AM - 12:35 AM | 44.4 | 42.6 | 03:10 AM - 03:15 AM | 47.0 | 45.0 |
| 09:55 PM - 10:00 PM | 45.9 | 44.4 | 12:35 AM - 12:40 AM | 43.4 | 42.0 | 03:15 AM - 03:20 AM | 46.9 | 44.2 |
| 10:00 PM - 10:05 PM | 46.9 | 44.9 | 12:40 AM - 12:45 AM | 45.8 | 43.1 | 03:20 AM - 03:25 AM | 45.6 | 44.4 |
| 10:05 PM - 10:10 PM | 45.5 | 44.2 | 12:45 AM - 12:50 AM | 43.3 | 42.2 | 03:25 AM - 03:30 AM | 47.4 | 45.1 |
| 10:10 PM - 10:15 PM | 46.8 | 44.1 | 12:50 AM - 12:55 AM | 43.1 | 42.3 | 03:30 AM - 03:35 AM | 47.5 | 45.7 |
| 10:15 PM - 10:20 PM | 45.2 | 44.1 | 12:55 AM - 01:00 AM | 43.6 | 42.7 | 03:35 AM - 03:40 AM | 46.2 | 45.3 |
| 10:20 PM - 10:25 PM | 45.7 | 45.1 | 01:00 AM - 01:05 AM | 43.9 | 42.2 | 03:40 AM - 03:45 AM | 46.3 | 45.0 |
| 10:25 PM - 10:30 PM | 57.3 | 55.5 | 01:05 AM - 01:10 AM | 45.8 | 43.0 | 03:45 AM - 03:50 AM | 46.6 | 44.7 |
| 10:30 PM - 10:35 PM | 52.8 | 50.9 | 01:10 AM - 01:15 AM | 46.9 | 43.0 | 03:50 AM - 03:55 AM | 47.6 | 45.1 |
| 10:35 PM - 10:40 PM | 47.8 | 42.7 | 01:15 AM - 01:20 AM | 45.7 | 43.5 | 03:55 AM - 04:00 AM | 47.4 | 45.1 |

The above results are valid only for the test and analytical methods as indicated in this report. No part of this report can be used or reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) Co., Ltd. recommends that this report is not reproduced except in full.

Approved by

Saranyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-1
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262057-1

Page 1 of 3

Sample Number : 2227911-1
Parameter : Noise Level (Leq 5 min)
Location : สุราษฎร์ธานี (GPS 47P 0735035, 1405843)
Measurement Date : Mar 10 - Mar 11, 2022
Measurement by : Seitcha Phetsawang
Sound Level meter : Serial No. 00233194

| Mar 10, 2022 | Leq dB(A) | L90 dB(A) | Mar 10, 2022 | Leq dB(A) | L90 dB(A) | Mar 10, 2022 | Leq dB(A) | L90 dB(A) |
|---------------------|--------------|--------------|---------------------|--------------|--------------|---------------------|--------------|--------------|
| Time | | | Time | | | Time | | |
| 12:00 PM - 12:05 PM | 59.2 | 53.2 | 02:40 PM - 02:45 PM | 50.7 | 48.3 | 05:20 PM - 05:25 PM | 55.6 | 48.8 |
| 12:05 PM - 12:10 PM | 53.3 | 48.7 | 02:45 PM - 02:50 PM | 51.8 | 48.6 | 05:25 PM - 05:30 PM | 56.0 | 49.5 |
| 12:10 PM - 12:15 PM | 50.1 | 47.5 | 02:50 PM - 02:55 PM | 52.8 | 49.5 | 05:30 PM - 05:35 PM | 53.3 | 48.5 |
| 12:15 PM - 12:20 PM | 52.8 | 48.0 | 02:55 PM - 03:00 PM | 53.5 | 49.3 | 05:35 PM - 05:40 PM | 56.8 | 48.3 |
| 12:20 PM - 12:25 PM | 58.0 | 48.6 | 03:00 PM - 03:05 PM | 54.2 | 49.8 | 05:40 PM - 05:45 PM | 53.3 | 47.4 |
| 12:25 PM - 12:30 PM | 60.6 | 50.3 | 03:05 PM - 03:10 PM | 55.5 | 51.0 | 05:45 PM - 05:50 PM | 55.9 | 47.3 |
| 12:30 PM - 12:35 PM | 59.6 | 49.2 | 03:10 PM - 03:15 PM | 53.0 | 49.9 | 05:50 PM - 05:55 PM | 60.6 | 55.9 |
| 12:35 PM - 12:40 PM | 52.2 | 49.1 | 03:15 PM - 03:20 PM | 51.0 | 48.1 | 05:55 PM - 06:00 PM | 56.3 | 48.2 |
| 12:40 PM - 12:45 PM | 57.1 | 49.4 | 03:20 PM - 03:25 PM | 52.0 | 49.5 | 06:00 PM - 06:05 PM | 60.0 | 49.3 |
| 12:45 PM - 12:50 PM | 55.0 | 48.0 | 03:25 PM - 03:30 PM | 52.2 | 50.9 | 06:05 PM - 06:10 PM | 54.4 | 46.8 |
| 12:50 PM - 12:55 PM | 57.4 | 51.7 | 03:30 PM - 03:35 PM | 54.8 | 50.4 | 06:10 PM - 06:15 PM | 55.6 | 46.5 |
| 12:55 PM - 01:00 PM | 53.7 | 49.9 | 03:35 PM - 03:40 PM | 55.3 | 50.8 | 06:15 PM - 06:20 PM | 48.6 | 46.1 |
| 01:00 PM - 01:05 PM | 53.5 | 49.4 | 03:40 PM - 03:45 PM | 56.4 | 49.9 | 06:20 PM - 06:25 PM | 55.9 | 46.8 |
| 01:05 PM - 01:10 PM | 55.1 | 50.5 | 03:45 PM - 03:50 PM | 52.1 | 49.0 | 06:25 PM - 06:30 PM | 57.1 | 48.9 |
| 01:10 PM - 01:15 PM | 53.0 | 49.7 | 03:50 PM - 03:55 PM | 54.9 | 48.6 | 06:30 PM - 06:35 PM | 58.5 | 49.8 |
| 01:15 PM - 01:20 PM | 54.7 | 50.3 | 03:55 PM - 04:00 PM | 56.4 | 48.4 | 06:35 PM - 06:40 PM | 52.6 | 47.8 |
| 01:20 PM - 01:25 PM | 54.3 | 49.0 | 04:00 PM - 04:05 PM | 60.0 | 54.4 | 06:40 PM - 06:45 PM | 50.2 | 46.5 |
| 01:25 PM - 01:30 PM | 63.2 | 50.3 | 04:05 PM - 04:10 PM | 55.0 | 49.2 | 06:45 PM - 06:50 PM | 56.6 | 46.2 |
| 01:30 PM - 01:35 PM | 64.6 | 49.4 | 04:10 PM - 04:15 PM | 54.7 | 48.4 | 06:50 PM - 06:55 PM | 49.8 | 46.8 |
| 01:35 PM - 01:40 PM | 62.1 | 50.3 | 04:15 PM - 04:20 PM | 55.9 | 49.7 | 06:55 PM - 07:00 PM | 50.9 | 48.1 |
| 01:40 PM - 01:45 PM | 53.8 | 49.1 | 04:20 PM - 04:25 PM | 57.8 | 48.6 | 07:00 PM - 07:05 PM | 51.8 | 49.8 |
| 01:45 PM - 01:50 PM | 50.8 | 48.4 | 04:25 PM - 04:30 PM | 58.4 | 50.0 | 07:05 PM - 07:10 PM | 51.2 | 47.7 |
| 01:50 PM - 01:55 PM | 56.3 | 50.3 | 04:30 PM - 04:35 PM | 61.4 | 53.5 | 07:10 PM - 07:15 PM | 48.8 | 47.8 |
| 01:55 PM - 02:00 PM | 50.3 | 50.2 | 04:35 PM - 04:40 PM | 57.9 | 51.5 | 07:15 PM - 07:20 PM | 47.7 | 45.1 |
| 02:00 PM - 02:05 PM | 49.3 | 48.7 | 04:40 PM - 04:45 PM | 58.7 | 50.7 | 07:20 PM - 07:25 PM | 48.3 | 46.1 |
| 02:05 PM - 02:10 PM | 58.2 | 48.9 | 04:45 PM - 04:50 PM | 58.8 | 48.9 | 07:25 PM - 07:30 PM | 51.2 | 45.7 |
| 02:10 PM - 02:15 PM | 61.7 | 49.1 | 04:50 PM - 04:55 PM | 68.0 | 62.8 | 07:30 PM - 07:35 PM | 49.8 | 45.5 |
| 02:15 PM - 07:20 PM | 58.9 | 46.5 | 04:55 PM - 05:00 PM | 68.1 | 64.8 | 07:35 PM - 07:40 PM | 46.7 | 45.2 |
| 02:20 PM - 02:25 PM | 52.0 | 48.8 | 05:00 PM - 05:05 PM | 63.7 | 60.5 | 07:40 PM - 07:45 PM | 47.9 | 45.2 |
| 02:25 PM - 02:30 PM | 51.8 | 48.5 | 05:05 PM - 05:10 PM | 59.9 | 56.9 | 07:45 PM - 07:50 PM | 49.0 | 45.6 |
| 02:30 PM - 02:35 PM | 50.4 | 48.4 | 05:10 PM - 05:15 PM | 57.7 | 51.2 | 07:50 PM - 07:55 PM | 47.8 | 45.5 |
| 02:35 PM - 07:40 PM | 51.7 | 48.5 | 05:15 PM - 05:20 PM | 56.9 | 51.5 | 07:55 PM - 08:00 PM | 48.1 | 45.3 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262058-1

Page 1 of 3

Sample Number : 2227911-5
Parameter : Noise Level (Leq 5 min)
Location : quana/ann (GPS 47P 0735038, 1405843)
Measurement Date : Mar 11 - Mar 12, 2022
Measurement by : Satcha Pheawang
Sound Level meter : Serial No. 00233184

| Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) |
|---------------------|-----------|-----------|---------------------|-----------|-----------|---------------------|-----------|-----------|
| 12:00 PM - 12:05 PM | 53.5 | 51.3 | 02:40 PM - 02:45 PM | 55.0 | 53.1 | 05:20 PM - 05:25 PM | 53.7 | 52.2 |
| 12:05 PM - 12:10 PM | 54.0 | 50.9 | 02:45 PM - 02:50 PM | 54.3 | 52.7 | 05:25 PM - 05:30 PM | 53.7 | 51.8 |
| 12:10 PM - 12:15 PM | 54.0 | 51.3 | 02:50 PM - 02:55 PM | 53.9 | 52.4 | 05:30 PM - 05:35 PM | 57.0 | 52.0 |
| 12:15 PM - 12:20 PM | 53.3 | 50.3 | 02:55 PM - 03:00 PM | 52.3 | 52.0 | 05:35 PM - 05:40 PM | 57.4 | 51.9 |
| 12:20 PM - 12:25 PM | 51.3 | 49.4 | 03:00 PM - 03:05 PM | 53.3 | 51.9 | 05:40 PM - 05:45 PM | 53.3 | 52.1 |
| 12:25 PM - 12:30 PM | 52.4 | 50.7 | 03:05 PM - 03:10 PM | 53.7 | 51.7 | 05:45 PM - 05:50 PM | 52.3 | 51.4 |
| 12:30 PM - 12:35 PM | 52.3 | 50.7 | 03:10 PM - 03:15 PM | 53.1 | 51.8 | 05:50 PM - 05:55 PM | 53.3 | 51.7 |
| 12:35 PM - 12:40 PM | 52.2 | 50.4 | 03:15 PM - 03:20 PM | 53.7 | 51.6 | 05:55 PM - 06:00 PM | 52.9 | 51.7 |
| 12:40 PM - 12:45 PM | 52.5 | 50.3 | 03:20 PM - 03:25 PM | 57.1 | 56.2 | 06:00 PM - 06:05 PM | 55.5 | 52.0 |
| 12:45 PM - 12:50 PM | 51.6 | 50.1 | 03:25 PM - 03:30 PM | 56.5 | 54.6 | 06:05 PM - 06:10 PM | 55.0 | 51.4 |
| 12:50 PM - 12:55 PM | 52.1 | 51.0 | 03:30 PM - 03:35 PM | 55.6 | 53.7 | 06:10 PM - 06:15 PM | 52.9 | 51.5 |
| 12:55 PM - 01:00 PM | 52.0 | 50.8 | 03:35 PM - 03:40 PM | 54.6 | 52.9 | 06:15 PM - 06:20 PM | 53.1 | 51.5 |
| 01:00 PM - 01:05 PM | 52.2 | 50.6 | 03:40 PM - 03:45 PM | 54.3 | 52.9 | 06:20 PM - 06:25 PM | 53.2 | 51.7 |
| 01:05 PM - 01:10 PM | 53.0 | 50.7 | 03:45 PM - 03:50 PM | 53.2 | 52.1 | 06:25 PM - 06:30 PM | 53.7 | 51.7 |
| 01:10 PM - 01:15 PM | 52.3 | 50.8 | 03:50 PM - 03:55 PM | 53.7 | 52.3 | 06:30 PM - 06:35 PM | 53.8 | 52.4 |
| 01:15 PM - 01:20 PM | 54.5 | 51.0 | 03:55 PM - 04:00 PM | 54.1 | 52.8 | 06:35 PM - 06:40 PM | 53.1 | 51.7 |
| 01:20 PM - 01:25 PM | 53.5 | 51.7 | 04:00 PM - 04:05 PM | 54.4 | 52.7 | 06:40 PM - 06:45 PM | 52.7 | 51.5 |
| 01:25 PM - 01:30 PM | 52.7 | 51.1 | 04:05 PM - 04:10 PM | 56.9 | 52.6 | 06:45 PM - 06:50 PM | 53.5 | 51.7 |
| 01:30 PM - 01:35 PM | 52.9 | 51.4 | 04:10 PM - 04:15 PM | 54.3 | 52.8 | 06:50 PM - 06:55 PM | 52.3 | 51.1 |
| 01:35 PM - 01:40 PM | 52.9 | 51.2 | 04:15 PM - 04:20 PM | 53.3 | 51.9 | 06:55 PM - 07:00 PM | 52.6 | 51.1 |
| 01:40 PM - 01:45 PM | 53.0 | 51.2 | 04:20 PM - 04:25 PM | 54.8 | 52.4 | 07:00 PM - 07:05 PM | 53.0 | 51.3 |
| 01:45 PM - 01:50 PM | 54.1 | 52.1 | 04:25 PM - 04:30 PM | 58.1 | 52.6 | 07:05 PM - 07:10 PM | 53.5 | 50.8 |
| 01:50 PM - 01:55 PM | 54.0 | 52.0 | 04:30 PM - 04:35 PM | 54.7 | 52.6 | 07:10 PM - 07:15 PM | 51.8 | 50.9 |
| 01:55 PM - 02:00 PM | 53.5 | 51.9 | 04:35 PM - 04:40 PM | 54.2 | 52.0 | 07:15 PM - 07:20 PM | 52.8 | 50.8 |
| 02:00 PM - 02:05 PM | 53.9 | 52.0 | 04:40 PM - 04:45 PM | 53.5 | 52.2 | 07:20 PM - 07:25 PM | 51.5 | 50.6 |
| 02:05 PM - 02:10 PM | 53.6 | 51.0 | 04:45 PM - 04:50 PM | 53.6 | 52.2 | 07:25 PM - 07:30 PM | 52.9 | 51.0 |
| 02:10 PM - 02:15 PM | 53.6 | 51.9 | 04:50 PM - 04:55 PM | 59.7 | 52.8 | 07:30 PM - 07:35 PM | 51.7 | 50.6 |
| 02:15 PM - 02:20 PM | 54.2 | 51.8 | 04:55 PM - 05:00 PM | 60.0 | 52.3 | 07:35 PM - 07:40 PM | 51.2 | 50.4 |
| 02:20 PM - 02:25 PM | 55.4 | 51.8 | 05:00 PM - 05:05 PM | 65.4 | 64.1 | 07:40 PM - 07:45 PM | 52.2 | 50.8 |
| 02:25 PM - 02:30 PM | 56.1 | 52.5 | 05:05 PM - 05:10 PM | 62.1 | 52.1 | 07:45 PM - 07:50 PM | 51.8 | 50.8 |
| 02:30 PM - 02:35 PM | 55.3 | 52.4 | 05:10 PM - 05:15 PM | 60.7 | 51.7 | 07:50 PM - 07:55 PM | 51.4 | 50.6 |
| 02:35 PM - 02:40 PM | 54.7 | 52.7 | 05:15 PM - 05:20 PM | 53.0 | 51.6 | 07:55 PM - 08:00 PM | 52.0 | 50.9 |

The above results are valid only for the pre-specified parameters as indicated in this report. No part of the report or test data may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by :
Saratyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262058-1

Page 2 of 3

Sample Number : 2227911-5
Parameter : Noise Level (Leq 5 min)
Location : quana/ann (GPS 47P 0735038, 1405843)
Measurement Date : Mar 11 - Mar 12, 2022
Measurement by : Satcha Pheawang
Sound Level meter : Serial No. 00233184

| Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) |
|---------------------|-----------|-----------|---------------------|-----------|-----------|---------------------|-----------|-----------|
| 04:00 AM - 04:05 AM | 51.3 | 49.9 | 06:40 AM - 06:45 AM | 56.4 | 52.3 | 09:20 AM - 09:25 AM | 53.1 | 50.5 |
| 04:05 AM - 04:10 AM | 51.5 | 50.2 | 06:45 AM - 06:50 AM | 53.8 | 50.5 | 09:25 AM - 09:30 AM | 53.4 | 50.4 |
| 04:10 AM - 04:15 AM | 51.5 | 50.1 | 06:50 AM - 06:55 AM | 53.6 | 51.1 | 09:30 AM - 09:35 AM | 52.9 | 50.6 |
| 04:15 AM - 04:20 AM | 51.5 | 50.1 | 06:55 AM - 07:00 AM | 53.2 | 50.5 | 09:35 AM - 09:40 AM | 59.7 | 51.4 |
| 04:20 AM - 04:25 AM | 66.6 | 51.2 | 07:00 AM - 07:05 AM | 53.5 | 51.2 | 09:40 AM - 09:45 AM | 56.0 | 51.2 |
| 04:25 AM - 04:30 AM | 67.6 | 58.9 | 07:05 AM - 07:10 AM | 54.3 | 50.9 | 09:45 AM - 09:50 AM | 52.7 | 50.6 |
| 04:30 AM - 04:35 AM | 55.9 | 52.8 | 07:10 AM - 07:15 AM | 52.4 | 50.6 | 09:50 AM - 09:55 AM | 53.3 | 51.2 |
| 04:35 AM - 04:40 AM | 52.7 | 51.2 | 07:15 AM - 07:20 AM | 53.7 | 51.9 | 09:55 AM - 10:00 AM | 56.8 | 51.6 |
| 04:40 AM - 04:45 AM | 52.9 | 50.7 | 07:20 AM - 07:25 AM | 53.4 | 51.0 | 10:00 AM - 10:05 AM | 53.2 | 50.9 |
| 04:45 AM - 04:50 AM | 52.7 | 50.8 | 07:25 AM - 07:30 AM | 53.7 | 51.3 | 10:05 AM - 10:10 AM | 53.4 | 50.6 |
| 04:50 AM - 04:55 AM | 52.1 | 50.7 | 07:30 AM - 07:35 AM | 53.9 | 51.4 | 10:10 AM - 10:15 AM | 52.7 | 50.7 |
| 04:55 AM - 05:00 AM | 55.2 | 51.1 | 07:35 AM - 07:40 AM | 53.3 | 51.1 | 10:15 AM - 10:20 AM | 53.3 | 50.9 |
| 05:00 AM - 05:05 AM | 52.7 | 51.2 | 07:40 AM - 07:45 AM | 53.7 | 50.5 | 10:20 AM - 10:25 AM | 54.2 | 51.3 |
| 05:05 AM - 05:10 AM | 53.5 | 51.6 | 07:45 AM - 07:50 AM | 52.0 | 50.3 | 10:25 AM - 10:30 AM | 53.8 | 50.9 |
| 05:10 AM - 05:15 AM | 53.1 | 51.1 | 07:50 AM - 07:55 AM | 52.1 | 50.5 | 10:30 AM - 10:35 AM | 54.3 | 51.1 |
| 05:15 AM - 05:20 AM | 53.9 | 51.5 | 07:55 AM - 08:00 AM | 52.9 | 50.8 | 10:35 AM - 10:40 AM | 53.5 | 50.9 |
| 05:20 AM - 05:25 AM | 53.9 | 51.5 | 08:00 AM - 08:05 AM | 54.0 | 51.3 | 10:40 AM - 10:45 AM | 52.8 | 50.8 |
| 05:25 AM - 05:30 AM | 54.5 | 51.8 | 08:05 AM - 08:10 AM | 55.9 | 51.5 | 10:45 AM - 10:50 AM | 54.2 | 51.0 |
| 05:30 AM - 05:35 AM | 53.3 | 51.6 | 08:10 AM - 08:15 AM | 52.8 | 50.9 | 10:50 AM - 10:55 AM | 53.2 | 50.7 |
| 05:35 AM - 05:40 AM | 53.9 | 51.3 | 08:15 AM - 08:20 AM | 54.9 | 50.7 | 10:55 AM - 11:00 AM | 53.1 | 51.2 |
| 05:40 AM - 05:45 AM | 53.6 | 51.5 | 08:20 AM - 08:25 AM | 52.9 | 50.9 | 11:00 AM - 11:05 AM | 53.6 | 50.9 |
| 05:45 AM - 05:50 AM | 53.7 | 51.4 | 08:25 AM - 08:30 AM | 52.2 | 51.2 | 11:05 AM - 11:10 AM | 53.1 | 50.9 |
| 05:50 AM - 05:55 AM | 54.1 | 51.8 | 08:30 AM - 08:35 AM | 55.4 | 51.4 | 11:10 AM - 11:15 AM | 53.7 | 51.1 |
| 05:55 AM - 06:00 AM | 53.4 | 50.8 | 08:35 AM - 08:40 AM | 54.9 | 50.9 | 11:15 AM - 11:20 AM | 52.1 | 50.7 |
| 06:00 AM - 06:05 AM | 53.1 | 51.2 | 08:40 AM - 08:45 AM | 60.2 | 51.4 | 11:20 AM - 11:25 AM | 52.6 | 51.0 |
| 06:05 AM - 06:10 AM | 52.9 | 50.9 | 08:45 AM - 08:50 AM | 55.9 | 52.2 | 11:25 AM - 11:30 AM | 52.1 | 51.8 |
| 06:10 AM - 06:15 AM | 53.7 | 50.5 | 08:50 AM - 08:55 AM | 54.8 | 51.5 | 11:30 AM - 11:35 AM | 54.5 | 51.1 |
| 06:15 AM - 06:20 AM | 54.7 | 51.3 | 08:55 AM - 09:00 AM | 55.8 | 51.6 | 11:35 AM - 11:40 AM | 55.1 | 51.7 |
| 06:20 AM - 06:25 AM | 54.7 | 51.8 | 09:00 AM - 09:05 AM | 55.0 | 51.3 | 11:40 AM - 11:45 AM | 55.9 | 51.4 |
| 06:25 AM - 06:30 AM | 54.7 | 51.5 | 09:05 AM - 09:10 AM | 52.0 | 49.5 | 11:45 AM - 11:50 AM | 57.7 | 52.0 |
| 06:30 AM - 06:35 AM | 56.8 | 51.0 | 09:10 AM - 09:15 AM | 53.7 | 50.8 | 11:50 AM - 11:55 AM | 56.8 | 51.4 |
| 06:35 AM - 06:40 AM | 54.8 | 50.8 | 09:15 AM - 09:20 AM | 54.5 | 52.0 | 11:55 AM - 12:00 PM | 61.3 | 52.1 |

The above results are valid only for the pre-specified parameters as indicated in this report. No part of the report or test data may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by :
Saratyut Jitranont
Assistant General Manager

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

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262058-1

Page 2 of 2

Sample Number : 2227911-5
Parameter : Noise Level (Leq 5 min)
Location : quana/ann (GPS 47P 0735038, 1405843)
Measurement Date : Mar 11 - Mar 12, 2022
Measurement by : Satcha Pheawang
Sound Level meter : Serial No. 00233184

| Mar 11, 2022 | | | Mar 11 - Mar 32, 2022 | | | Mar 32, 2022 | | |
|---------------------|--------------|--------------|-----------------------|--------------|--------------|---------------------|--------------|--------------|
| Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) |
| 08:00 PM - 08:05 PM | 51.7 | 50.6 | 10:40 PM - 10:45 PM | 51.0 | 50.0 | 01:20 AM - 01:25 AM | 50.3 | 49.4 |
| 08:05 PM - 08:10 PM | 51.9 | 50.4 | 10:45 PM - 10:50 PM | 51.1 | 50.1 | 01:25 AM - 01:30 AM | 50.6 | 49.6 |
| 08:10 PM - 08:15 PM | 51.4 | 50.4 | 10:50 PM - 10:55 PM | 51.5 | 49.8 | 01:30 AM - 01:35 AM | 50.7 | 49.5 |
| 08:15 PM - 08:20 PM | 51.3 | 49.8 | 10:55 PM - 11:00 PM | 51.0 | 49.6 | 01:35 AM - 01:40 AM | 50.7 | 49.2 |
| 08:20 PM - 08:25 PM | 53.8 | 51.7 | 11:00 PM - 11:05 PM | 51.0 | 49.4 | 01:40 AM - 01:45 AM | 50.5 | 49.2 |
| 08:25 PM - 08:30 PM | 56.1 | 54.5 | 11:05 PM - 11:10 PM | 51.0 | 49.8 | 01:45 AM - 01:50 AM | 50.5 | 49.4 |
| 08:30 PM - 08:35 PM | 52.9 | 51.2 | 11:10 PM - 11:15 PM | 51.2 | 50.3 | 01:50 AM - 01:55 AM | 50.5 | 49.3 |
| 08:35 PM - 08:40 PM | 51.9 | 50.3 | 11:15 PM - 11:20 PM | 51.1 | 49.7 | 01:55 AM - 02:00 AM | 50.8 | 49.4 |
| 08:40 PM - 08:45 PM | 50.9 | 49.8 | 11:20 PM - 11:25 PM | 50.8 | 49.8 | 02:00 AM - 02:05 AM | 50.8 | 49.3 |
| 08:45 PM - 08:50 PM | 50.8 | 49.9 | 11:25 PM - 11:30 PM | 51.0 | 49.7 | 02:05 AM - 02:10 AM | 50.4 | 49.0 |
| 08:50 PM - 08:55 PM | 51.1 | 50.0 | 11:30 PM - 11:35 PM | 50.8 | 49.9 | 02:10 AM - 02:15 AM | 50.3 | 49.2 |
| 08:55 PM - 09:00 PM | 50.8 | 49.7 | 11:35 PM - 11:40 PM | 50.5 | 49.7 | 02:15 AM - 02:20 AM | 50.3 | 49.0 |
| 09:00 PM - 09:05 PM | 53.8 | 50.3 | 11:40 PM - 11:45 PM | 50.9 | 49.9 | 02:20 AM - 02:25 AM | 50.0 | 48.5 |
| 09:05 PM - 09:10 PM | 51.2 | 49.9 | 11:45 PM - 11:50 PM | 51.1 | 50.3 | 02:25 AM - 02:30 AM | 50.9 | 49.2 |
| 09:10 PM - 09:15 PM | 51.6 | 49.8 | 11:50 PM - 11:55 PM | 50.3 | 49.6 | 02:30 AM - 02:35 AM | 50.6 | 49.2 |
| 09:15 PM - 09:20 PM | 50.7 | 49.7 | 11:55 PM - 12:00 AM | 50.6 | 49.7 | 02:35 AM - 02:40 AM | 50.1 | 49.0 |
| 09:20 PM - 09:25 PM | 51.0 | 49.7 | 12:00 AM - 12:05 AM | 50.7 | 49.6 | 02:40 AM - 02:45 AM | 50.9 | 49.4 |
| 09:25 PM - 09:30 PM | 52.0 | 50.1 | 12:05 AM - 12:10 AM | 50.6 | 49.9 | 02:45 AM - 02:50 AM | 50.9 | 49.2 |
| 09:30 PM - 09:35 PM | 50.9 | 49.7 | 12:10 AM - 12:15 AM | 50.9 | 49.5 | 02:50 AM - 02:55 AM | 50.3 | 49.0 |
| 09:35 PM - 09:40 PM | 50.9 | 50.8 | 12:15 AM - 12:20 AM | 50.3 | 49.3 | 02:55 AM - 03:00 AM | 55.2 | 49.1 |
| 09:40 PM - 09:45 PM | 50.8 | 49.8 | 12:20 AM - 12:25 AM | 50.5 | 49.4 | 03:00 AM - 03:05 AM | 50.8 | 49.4 |
| 09:45 PM - 09:50 PM | 50.9 | 50.1 | 12:25 AM - 12:30 AM | 51.0 | 50.3 | 03:05 AM - 03:10 AM | 50.8 | 49.0 |
| 09:50 PM - 09:55 PM | 51.3 | 50.2 | 12:30 AM - 12:35 AM | 61.0 | 60.7 | 03:10 AM - 03:15 AM | 50.4 | 49.5 |
| 09:55 PM - 10:00 PM | 50.8 | 49.8 | 12:35 AM - 12:40 AM | 62.2 | 62.7 | 03:15 AM - 03:20 AM | 50.9 | 49.6 |
| 10:00 PM - 10:05 PM | 50.8 | 49.9 | 12:40 AM - 12:45 AM | 54.2 | 52.2 | 03:20 AM - 03:25 AM | 50.5 | 49.6 |
| 10:05 PM - 10:10 PM | 50.9 | 50.1 | 12:45 AM - 12:50 AM | 50.8 | 49.8 | 03:25 AM - 03:30 AM | 50.7 | 49.6 |
| 10:10 PM - 10:15 PM | 51.1 | 50.3 | 12:50 AM - 12:55 AM | 50.5 | 49.5 | 03:30 AM - 03:35 AM | 50.8 | 49.6 |
| 10:15 PM - 10:20 PM | 51.3 | 50.2 | 12:55 AM - 01:00 AM | 50.3 | 49.4 | 03:35 AM - 03:40 AM | 50.8 | 49.6 |
| 10:20 PM - 10:25 PM | 51.3 | 50.3 | 01:00 AM - 01:05 AM | 50.4 | 49.5 | 03:40 AM - 03:45 AM | 50.6 | 49.3 |
| 10:25 PM - 10:30 PM | 51.5 | 50.4 | 01:05 AM - 01:10 AM | 50.0 | 49.8 | 03:45 AM - 03:50 AM | 50.9 | 49.8 |
| 10:30 PM - 10:35 PM | 51.4 | 50.4 | 01:10 AM - 01:15 AM | 50.5 | 49.6 | 03:50 AM - 03:55 AM | 50.7 | 49.7 |
| 10:35 PM - 10:40 PM | 51.3 | 49.8 | 01:15 AM - 01:20 AM | 50.2 | 49.4 | 03:55 AM - 04:00 AM | 51.2 | 49.9 |



Analysis / Test Report

Client : Sam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-6
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262099-1

Page 2 of 2

Sample Number : 2227911-6
Parameter : Noise Level (Leq 5 min)
Location : Map Ta Phut, PE (SPE)
Measurement Date : Mar 12 - Mar 13, 2022
Measurement by : Satcha Phattasavong
Sound Level meter : Serial No. 0023184

| Mar 12, 2022 | Leq | L90 | Mar 12 - Mar 13, 2022 | Leq | L90 | Mar 13, 2022 | Leq | L90 |
|---------------------|-------|-------|-----------------------|-------|-------|---------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 04:00 PM - 08:05 PM | 57.4 | 49.7 | 10:40 PM - 10:45 PM | 52.0 | 49.1 | 01:20 AM - 01:25 AM | 52.5 | 49.4 |
| 08:05 PM - 08:10 PM | 61.2 | 57.3 | 10:45 PM - 10:50 PM | 51.9 | 49.1 | 01:25 AM - 01:30 AM | 57.0 | 49.3 |
| 08:10 PM - 08:15 PM | 58.7 | 53.3 | 10:50 PM - 10:55 PM | 52.9 | 49.0 | 01:30 AM - 01:35 AM | 51.3 | 49.0 |
| 08:15 PM - 08:20 PM | 51.2 | 49.5 | 10:55 PM - 11:00 PM | 49.7 | 49.0 | 01:35 AM - 01:40 AM | 50.0 | 49.1 |
| 08:20 PM - 08:25 PM | 49.9 | 49.0 | 11:00 PM - 11:05 PM | 49.9 | 49.0 | 01:40 AM - 01:45 AM | 49.9 | 48.7 |
| 08:25 PM - 08:30 PM | 50.8 | 49.0 | 11:05 PM - 11:10 PM | 51.3 | 49.1 | 01:45 AM - 01:50 AM | 49.6 | 48.5 |
| 08:30 PM - 08:35 PM | 50.3 | 49.3 | 11:10 PM - 11:15 PM | 49.8 | 48.9 | 01:50 AM - 01:55 AM | 51.0 | 48.2 |
| 08:35 PM - 08:40 PM | 52.4 | 49.3 | 11:15 PM - 11:20 PM | 49.9 | 48.7 | 01:55 AM - 02:00 AM | 49.6 | 48.7 |
| 08:40 PM - 08:45 PM | 51.4 | 49.2 | 11:20 PM - 11:25 PM | 50.2 | 48.6 | 02:00 AM - 02:05 AM | 49.9 | 48.7 |
| 08:45 PM - 08:50 PM | 50.3 | 49.0 | 11:25 PM - 11:30 PM | 49.4 | 48.7 | 02:05 AM - 02:10 AM | 49.7 | 48.8 |
| 08:50 PM - 08:55 PM | 50.1 | 49.2 | 11:30 PM - 11:35 PM | 49.9 | 48.9 | 02:10 AM - 02:15 AM | 49.8 | 49.0 |
| 08:55 PM - 09:00 PM | 50.2 | 49.3 | 11:35 PM - 11:40 PM | 50.1 | 48.9 | 02:15 AM - 02:20 AM | 49.6 | 48.8 |
| 09:00 PM - 09:05 PM | 50.1 | 48.9 | 11:40 PM - 11:45 PM | 49.5 | 48.7 | 02:20 AM - 02:25 AM | 49.5 | 48.5 |
| 09:05 PM - 09:10 PM | 50.3 | 49.2 | 11:45 PM - 11:50 PM | 49.3 | 48.7 | 02:25 AM - 02:30 AM | 49.6 | 48.6 |
| 09:10 PM - 09:15 PM | 49.8 | 49.0 | 11:50 PM - 11:55 PM | 50.3 | 48.7 | 02:30 AM - 02:35 AM | 49.6 | 48.6 |
| 09:15 PM - 09:20 PM | 50.6 | 49.2 | 11:55 PM - 12:00 AM | 60.8 | 54.0 | 02:35 AM - 02:40 AM | 51.3 | 48.8 |
| 09:20 PM - 09:25 PM | 49.6 | 49.0 | 12:00 AM - 12:05 AM | 50.7 | 48.7 | 02:40 AM - 02:45 AM | 50.1 | 48.9 |
| 09:25 PM - 09:30 PM | 50.6 | 49.1 | 12:05 AM - 12:10 AM | 49.6 | 48.6 | 02:45 AM - 02:50 AM | 49.8 | 48.9 |
| 09:30 PM - 09:35 PM | 50.7 | 49.0 | 12:10 AM - 12:15 AM | 50.2 | 49.1 | 02:50 AM - 02:55 AM | 49.9 | 49.0 |
| 09:35 PM - 09:40 PM | 49.9 | 48.9 | 12:15 AM - 12:20 AM | 50.0 | 49.0 | 02:55 AM - 03:00 AM | 49.9 | 48.8 |
| 09:40 PM - 09:45 PM | 50.2 | 49.3 | 12:20 AM - 12:25 AM | 49.9 | 49.0 | 03:00 AM - 03:05 AM | 49.8 | 48.8 |
| 09:45 PM - 09:50 PM | 50.7 | 49.4 | 12:25 AM - 12:30 AM | 50.2 | 49.0 | 03:05 AM - 03:10 AM | 50.7 | 49.4 |
| 09:50 PM - 09:55 PM | 50.5 | 49.5 | 12:30 AM - 12:35 AM | 50.1 | 48.5 | 03:10 AM - 03:15 AM | 50.8 | 49.0 |
| 09:55 PM - 10:00 PM | 49.9 | 49.2 | 12:35 AM - 12:40 AM | 49.9 | 48.9 | 03:15 AM - 03:20 AM | 50.4 | 49.6 |
| 10:00 PM - 10:05 PM | 50.2 | 49.4 | 12:40 AM - 12:45 AM | 49.7 | 48.8 | 03:20 AM - 03:25 AM | 50.3 | 49.5 |
| 10:05 PM - 10:10 PM | 51.6 | 49.1 | 12:45 AM - 12:50 AM | 50.7 | 48.9 | 03:25 AM - 03:30 AM | 50.9 | 49.0 |
| 10:10 PM - 10:15 PM | 49.5 | 48.5 | 12:50 AM - 12:55 AM | 49.5 | 48.5 | 03:30 AM - 03:35 AM | 49.9 | 48.9 |
| 10:15 PM - 10:20 PM | 49.9 | 49.1 | 12:55 AM - 01:00 AM | 49.4 | 48.7 | 03:35 AM - 03:40 AM | 50.5 | 49.2 |
| 10:20 PM - 10:25 PM | 49.9 | 49.0 | 01:00 AM - 01:05 AM | 49.7 | 48.8 | 03:40 AM - 03:45 AM | 50.6 | 49.5 |
| 10:25 PM - 10:30 PM | 50.0 | 49.1 | 01:05 AM - 01:10 AM | 49.4 | 48.5 | 03:45 AM - 03:50 AM | 50.3 | 49.6 |
| 10:30 PM - 10:35 PM | 50.8 | 49.1 | 01:10 AM - 01:15 AM | 49.4 | 48.6 | 03:50 AM - 03:55 AM | 52.1 | 49.4 |
| 10:35 PM - 10:40 PM | 50.4 | 49.2 | 01:15 AM - 01:20 AM | 50.6 | 49.2 | 03:55 AM - 04:00 AM | 50.5 | 49.5 |

The above results are valid only for the parameters and methods as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A full Laboratory Certificate (LSC) is recommended for this report. It is not recommended to use this report.

Approved by

Satcha Phattasavong
Assistant General Manager

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Analysis / Test Report

Client : Sam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-6
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262099-1

Page 2 of 2

Sample Number : 2227911-7
Parameter : Noise Level (Leq 5 min)
Location : Map Ta Phut, PE (SPE)
Measurement Date : Mar 13 - Mar 14, 2022
Measurement by : Satcha Phattasavong
Sound Level meter : Serial No. 0023184

| Mar 13, 2022 | Leq | L90 | Mar 13, 2022 | Leq | L90 | Mar 13, 2022 | Leq | L90 |
|---------------------|-------|-------|---------------------|-------|-------|---------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 12:00 PM - 12:05 PM | 51.8 | 50.1 | 02:40 PM - 02:45 PM | 52.4 | 51.4 | 05:20 PM - 05:25 PM | 51.5 | 50.4 |
| 12:05 PM - 12:10 PM | 52.3 | 50.3 | 02:45 PM - 02:50 PM | 54.1 | 52.2 | 05:25 PM - 05:30 PM | 52.0 | 50.5 |
| 12:10 PM - 12:15 PM | 51.9 | 49.9 | 02:50 PM - 02:55 PM | 53.9 | 51.7 | 05:30 PM - 05:35 PM | 52.1 | 50.3 |
| 12:15 PM - 12:20 PM | 52.1 | 50.5 | 02:55 PM - 03:00 PM | 54.5 | 51.8 | 05:35 PM - 05:40 PM | 51.7 | 50.0 |
| 12:20 PM - 12:25 PM | 52.1 | 50.2 | 03:00 PM - 03:05 PM | 56.7 | 51.9 | 05:40 PM - 05:45 PM | 51.9 | 50.3 |
| 12:25 PM - 12:30 PM | 52.7 | 50.4 | 03:05 PM - 03:10 PM | 54.4 | 52.2 | 05:45 PM - 05:50 PM | 51.8 | 50.4 |
| 12:30 PM - 12:35 PM | 51.2 | 49.9 | 03:10 PM - 03:15 PM | 54.1 | 52.3 | 05:50 PM - 05:55 PM | 51.8 | 50.4 |
| 12:35 PM - 12:40 PM | 51.5 | 49.8 | 03:15 PM - 03:20 PM | 54.9 | 51.6 | 05:55 PM - 06:00 PM | 51.6 | 50.1 |
| 12:40 PM - 12:45 PM | 51.7 | 50.1 | 03:20 PM - 03:25 PM | 52.8 | 51.1 | 06:00 PM - 06:05 PM | 51.4 | 49.8 |
| 12:45 PM - 12:50 PM | 52.3 | 50.4 | 03:25 PM - 03:30 PM | 51.8 | 51.0 | 06:05 PM - 06:10 PM | 51.5 | 50.0 |
| 12:50 PM - 12:55 PM | 51.6 | 50.0 | 03:30 PM - 03:35 PM | 51.7 | 51.1 | 06:10 PM - 06:15 PM | 52.1 | 50.1 |
| 12:55 PM - 01:00 PM | 52.1 | 49.9 | 03:35 PM - 03:40 PM | 52.8 | 51.3 | 06:15 PM - 06:20 PM | 51.1 | 50.0 |
| 01:00 PM - 01:05 PM | 51.1 | 50.6 | 03:40 PM - 03:45 PM | 51.1 | 51.2 | 06:20 PM - 06:25 PM | 51.8 | 50.1 |
| 01:05 PM - 01:10 PM | 52.3 | 50.5 | 03:45 PM - 03:50 PM | 52.3 | 51.7 | 06:25 PM - 06:30 PM | 51.3 | 49.9 |
| 01:10 PM - 01:15 PM | 52.4 | 50.9 | 03:50 PM - 03:55 PM | 52.5 | 51.1 | 06:30 PM - 06:35 PM | 51.6 | 50.1 |
| 01:15 PM - 01:20 PM | 53.1 | 50.6 | 03:55 PM - 04:00 PM | 53.2 | 51.3 | 06:35 PM - 06:40 PM | 52.5 | 50.1 |
| 01:20 PM - 01:25 PM | 53.5 | 51.1 | 04:00 PM - 04:05 PM | 52.8 | 51.5 | 06:40 PM - 06:45 PM | 52.3 | 50.2 |
| 01:25 PM - 01:30 PM | 52.5 | 50.9 | 04:05 PM - 04:10 PM | 52.4 | 51.0 | 06:45 PM - 06:50 PM | 52.3 | 49.9 |
| 01:30 PM - 01:35 PM | 53.3 | 51.5 | 04:10 PM - 04:15 PM | 53.3 | 50.8 | 06:50 PM - 06:55 PM | 51.1 | 50.0 |
| 01:35 PM - 01:40 PM | 52.3 | 50.6 | 04:15 PM - 04:20 PM | 52.8 | 51.8 | 06:55 PM - 07:00 PM | 51.3 | 50.0 |
| 01:40 PM - 01:45 PM | 52.8 | 51.0 | 04:20 PM - 04:25 PM | 53.7 | 51.1 | 07:00 PM - 07:05 PM | 51.1 | 49.9 |
| 01:45 PM - 01:50 PM | 53.1 | 51.1 | 04:25 PM - 04:30 PM | 54.3 | 51.2 | 07:05 PM - 07:10 PM | 51.6 | 50.2 |
| 01:50 PM - 01:55 PM | 52.4 | 50.7 | 04:30 PM - 04:35 PM | 54.0 | 51.2 | 07:10 PM - 07:15 PM | 51.5 | 49.6 |
| 01:55 PM - 02:00 PM | 51.0 | 50.1 | 04:35 PM - 04:40 PM | 52.1 | 50.7 | 07:15 PM - 07:20 PM | 51.3 | 49.8 |
| 02:00 PM - 02:05 PM | 52.0 | 50.6 | 04:40 PM - 04:45 PM | 56.9 | 51.5 | 07:20 PM - 07:25 PM | 52.4 | 49.9 |
| 02:05 PM - 02:10 PM | 52.3 | 50.7 | 04:45 PM - 04:50 PM | 62.0 | 58.5 | 07:25 PM - 07:30 PM | 50.7 | 49.2 |
| 02:10 PM - 02:15 PM | 53.0 | 51.0 | 04:50 PM - 04:55 PM | 67.2 | 65.7 | 07:30 PM - 07:35 PM | 50.1 | 49.1 |
| 02:15 PM - 02:20 PM | 53.5 | 51.3 | 04:55 PM - 05:00 PM | 66.0 | 64.2 | 07:35 PM - 07:40 PM | 50.3 | 49.2 |
| 02:20 PM - 02:25 PM | 52.3 | 51.0 | 05:00 PM - 05:05 PM | 61.5 | 59.5 | 07:40 PM - 07:45 PM | 50.1 | 49.5 |
| 02:25 PM - 02:30 PM | 54.6 | 52.4 | 05:05 PM - 05:10 PM | 59.1 | 58.4 | 07:45 PM - 07:50 PM | 53.0 | 49.8 |
| 02:30 PM - 02:35 PM | 54.4 | 52.5 | 05:10 PM - 05:15 PM | 52.7 | 50.6 | 07:50 PM - 07:55 PM | 51.0 | 49.5 |
| 02:35 PM - 02:40 PM | 54.0 | 52.3 | 05:15 PM - 05:20 PM | 51.7 | 50.6 | 07:55 PM - 08:00 PM | 51.2 | 49.6 |

The above results are valid only for the parameters and methods as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. A full Laboratory Certificate (LSC) is recommended for this report. It is not recommended to use this report.

Approved by

Satcha Phattasavong
Assistant General Manager

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Analysis / Test Report

Client : Sam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-6
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262099-1

Page 2 of 2

Sample Number : 2227911-6
Parameter : Noise Level (Leq 5 min)
Location : Map Ta Phut, PE (SPE)
Measurement Date : Mar 12 - Mar 13, 2022
Measurement by : Satcha Phattasavong
Sound Level meter : Serial No. 0023184

| Mar 13, 2022 | Leq | L90 | Mar 13, 2022 | Leq | L90 | Mar 13, 2022 | Leq | L90 |
|---------------------|-------|-------|---------------------|-------|-------|---------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 04:00 AM - 04:05 AM | 50.4 | 49.4 | 06:40 AM - 06:45 AM | 51.9 | 50.0 | 09:20 AM - 09:25 AM | 51.3 | 49.8 |
| 04:05 AM - 04:10 AM | 50.8 | 49.6 | 06:45 AM - 06:50 AM | 52.1 | 50.2 | 09:25 AM - 09:30 AM | 51.2 | 49.7 |
| 04:10 AM - 04:15 AM | 50.8 | 49.8 | 06:50 AM - 06:55 AM | 51.5 | 49.7 | 09:30 AM - 09:35 AM | 52.0 | 50.0 |
| 04:15 AM - 04:20 AM | 53.6 | 49.8 | 06:55 AM - 07:00 AM | 50.9 | 49.6 | 09:35 AM - 09:40 AM | 51.2 | 49.7 |
| 04:20 AM - 04:25 AM | 65.0 | 63.5 | 07:00 AM - 07:05 AM | 51.1 | 49.9 | 09:40 AM - 09:45 AM | 51.6 | 49.9 |
| 04:25 AM - 04:30 AM | 62.7 | 59.3 | 07:05 AM - 07:10 AM | 51.7 | 50.0 | 09:45 AM - 09:50 AM | 51.7 | 49.9 |
| 04:30 AM - 04:35 AM | 51.9 | 51.4 | 07:10 AM - 07:15 AM | 55.2 | 49.7 | 09:50 AM - 09:55 AM | 52.0 | 50.0 |
| 04:35 AM - 04:40 AM | 53.9 | 50.5 | 07:15 AM - 07:20 AM | 52.2 | 50.3 | 09:55 AM - 10:00 AM | 51.4 | 49.9 |
| 04:40 AM - 04:45 AM | 52.3 | 50.4 | 07:20 AM - 07:25 AM | 51.7 | 50.1 | 10:00 AM - 10:05 AM | 52.2 | 50.1 |
| 04:45 AM - 04:50 AM | 53.2 | 50.6 | 07:25 AM - 07:30 AM | 51.6 | 50.1 | 10:05 AM - 10:10 AM | 51.4 | 50.0 |
| 04:50 AM - 04:55 AM | 52.4 | 50.9 | 07:30 AM - 07:35 AM | 51.9 | 50.0 | 10:10 AM - 10:15 AM | 54.8 | 49.9 |
| 04:55 AM - 05:00 AM | 55.8 | 51.4 | 07:35 AM - 07:40 AM | 51.1 | 49.7 | 10:15 AM - 10:20 AM | 52.7 | 50.1 |
| 05:00 AM - 05:05 AM | 54.2 | 51.0 | 07:40 AM - 07:45 AM | 51.3 | 50.1 | 10:20 AM - 10:25 AM | 53.2 | 50.2 |
| 05:05 AM - 05:10 AM | 60.3 | 50.8 | 07:45 AM - 07:50 AM | 51.6 | 50.2 | 10:25 AM - 10:30 AM | 51.9 | 49.9 |
| 05:10 AM - 05:15 AM | 54.2 | 51.7 | 07:50 AM - 07:55 AM | 51.1 | 49.9 | 10:30 AM - 10:35 AM | 50.3 | 55.4 |
| 05:15 AM - 05:20 AM | 55.0 | 51.6 | 07:55 AM - 08:00 AM | 51.6 | 50.1 | 10:35 AM - 10:40 AM | 59.1 | 55.5 |
| 05:20 AM - 05:25 AM | 53.4 | 51.1 | 08:00 AM - 08:05 AM | 51.9 | 50.3 | 10:40 AM - 10:45 AM | 57.7 | 53.5 |
| 05:25 AM - 05:30 AM | 53.0 | 51.1 | 08:05 AM - 08:10 AM | 55.0 | 51.2 | 10:45 AM - 10:50 AM | 54.5 | 50.9 |
| 05:30 AM - 05:35 AM | 53.0 | 50.7 | 08:10 AM - 08:15 AM | 55.5 | 51.2 | 10:50 AM - 10:55 AM | 54.4 | 51.0 |
| 05:35 AM - 05:40 AM | 53.0 | 50.8 | 08:15 AM - 08:20 AM | 52.1 | 50.3 | 10:55 AM - 11:00 AM | 53.2 | 51.3 |
| 05:40 AM - 05:45 AM | 52.2 | 50.4 | 08:20 AM - 08:25 AM | 53.0 | 50.7 | 11:00 AM - 11:05 AM | 52.7 | 50.6 |
| 05:45 AM - 05:50 AM | 51.9 | 50.3 | 08:25 AM - 08:30 AM | 53.2 | 50.4 | 11:05 AM - 11:10 AM | 51.9 | 50.3 |
| 05:50 AM - 05:55 AM | 52.8 | 50.6 | 08:30 AM - 08:35 AM | 52.0 | 50.1 | 11:10 AM - 11:15 AM | 52.8 | 50.6 |
| 05:55 AM - 06:00 AM | 52.3 | 50.2 | 08:35 AM - 08:40 AM | 52.1 | 50.0 | 11:15 AM - 11:20 AM | 52.8 | 50.6 |
| 06:00 AM - 06:05 AM | 51.5 | 49.7 | 08:40 AM - 08:45 AM | 52.0 | 50.6 | 11:20 AM - 11:25 AM | 51.9 | 49.9 |
| 06:05 AM - 06:10 AM | 51.8 | 50.0 | 08:45 AM - 08:50 AM | 51.8 | 50.5 | 11:25 AM - 11:30 AM | 53.9 | 50.8 |
| 06:10 AM - 06:15 AM | 51.8 | 49.9 | 08:50 AM - 08:55 AM | 52.3 | 50.8 | 11:30 AM - 11:35 AM | 53.0 | 50.7 |
| 06:15 AM - 06:20 AM | 51.5 | 50.0 | 08:55 AM - 09:00 AM | 52.1 | 50.9 | 11:35 AM - 11:40 AM | 51.5 | 49.9 |
| 06:20 AM - 06:25 AM | 51.3 | 50.0 | 09:00 AM - 09:05 AM | 52.5 | 50.5 | 11:40 AM - 11:45 AM | 51.3 | 50.1 |
| 06:25 AM - 06:30 AM | 52.1 | 50.2 | 09:05 AM - 09:10 AM | 53.1 | 49.5 | 11:45 AM - 11:50 AM | 52.1 | 50.2 |
| 06:30 AM - 06:35 AM | 53.0 | 50.3 | 09:10 AM - 09:15 AM | 52.1 | 50.4 | 11:50 AM - 11:55 AM | 51.9 | 49.9 |
| 06:35 AM - 06:40 AM | 51.6 | 49.7 | 09:15 AM - 09:20 AM | 51.8 | 50.1 | 11:55 AM - 12:00 PM | 51.3 | 49.9 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262061-1

Page 2 of 3

| Sample Number | | | 2227911-7 | | |
|---------------------|-----------|-----------|---|-----------|-----------|
| Parameter | | | Noise Level (Leq 5 min) | | |
| Location | | | บริเวณถนนสาย 477 (GPS 477 0735038, 1405543) | | |
| Measurement Date | | | Mar 13 - Mar 14, 2022 | | |
| Measurement by | | | Satcha Phatsavang | | |
| Sound Level meter | | | Serial No. 00231194 | | |
| Mar 14, 2022 | | | Mar 14, 2022 | | |
| Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) |
| 06:00 AM - 06:05 AM | 52.2 | 50.3 | 06:40 AM - 06:45 AM | 52.6 | 51.0 |
| 06:05 AM - 06:10 AM | 51.6 | 50.2 | 06:45 AM - 06:50 AM | 53.5 | 51.5 |
| 06:10 AM - 06:15 AM | 51.7 | 50.5 | 06:50 AM - 06:55 AM | 53.6 | 51.1 |
| 06:15 AM - 06:20 AM | 52.8 | 50.9 | 06:55 AM - 07:00 AM | 52.7 | 50.5 |
| 06:20 AM - 06:25 AM | 55.4 | 50.1 | 07:00 AM - 07:05 AM | 53.5 | 50.0 |
| 06:25 AM - 06:30 AM | 58.4 | 50.7 | 07:05 AM - 07:10 AM | 53.5 | 50.1 |
| 06:30 AM - 06:35 AM | 58.5 | 53.3 | 07:10 AM - 07:15 AM | 52.7 | 50.4 |
| 06:35 AM - 06:40 AM | 54.0 | 51.6 | 07:15 AM - 07:20 AM | 54.6 | 50.9 |
| 06:40 AM - 06:45 AM | 52.5 | 51.3 | 07:20 AM - 07:25 AM | 53.8 | 50.7 |
| 06:45 AM - 06:50 AM | 52.7 | 51.3 | 07:25 AM - 07:30 AM | 52.7 | 50.7 |
| 06:50 AM - 06:55 AM | 52.7 | 51.3 | 07:30 AM - 07:35 AM | 54.9 | 50.4 |
| 06:55 AM - 07:00 AM | 54.0 | 51.4 | 07:35 AM - 07:40 AM | 51.7 | 49.7 |
| 07:00 AM - 07:05 AM | 52.7 | 51.4 | 07:40 AM - 07:45 AM | 52.1 | 49.9 |
| 07:05 AM - 07:10 AM | 54.2 | 51.8 | 07:45 AM - 07:50 AM | 54.1 | 50.1 |
| 07:10 AM - 07:15 AM | 53.2 | 51.8 | 07:50 AM - 07:55 AM | 51.6 | 50.1 |
| 07:15 AM - 07:20 AM | 52.8 | 51.0 | 07:55 AM - 08:00 AM | 53.3 | 50.2 |
| 07:20 AM - 07:25 AM | 53.1 | 51.3 | 08:00 AM - 08:05 AM | 52.0 | 50.2 |
| 07:25 AM - 07:30 AM | 53.5 | 51.3 | 08:05 AM - 08:10 AM | 52.6 | 50.3 |
| 07:30 AM - 07:35 AM | 56.5 | 52.3 | 08:10 AM - 08:15 AM | 51.7 | 49.9 |
| 07:35 AM - 07:40 AM | 53.0 | 51.4 | 08:15 AM - 08:20 AM | 52.1 | 50.3 |
| 07:40 AM - 07:45 AM | 53.5 | 51.8 | 08:20 AM - 08:25 AM | 53.9 | 50.4 |
| 07:45 AM - 07:50 AM | 53.3 | 51.5 | 08:25 AM - 08:30 AM | 51.8 | 50.3 |
| 07:50 AM - 07:55 AM | 54.8 | 51.9 | 08:30 AM - 08:35 AM | 52.8 | 50.9 |
| 07:55 AM - 08:00 AM | 54.1 | 51.9 | 08:35 AM - 08:40 AM | 51.9 | 50.4 |
| 08:00 AM - 08:05 AM | 56.8 | 51.6 | 08:40 AM - 08:45 AM | 51.8 | 50.2 |
| 08:05 AM - 08:10 AM | 53.7 | 52.0 | 08:45 AM - 08:50 AM | 52.6 | 50.2 |
| 08:10 AM - 08:15 AM | 54.0 | 51.4 | 08:50 AM - 08:55 AM | 51.8 | 50.4 |
| 08:15 AM - 08:20 AM | 55.8 | 52.1 | 08:55 AM - 09:00 AM | 52.0 | 50.8 |
| 08:20 AM - 08:25 AM | 55.0 | 51.6 | 09:00 AM - 09:05 AM | 52.8 | 50.8 |
| 08:25 AM - 08:30 AM | 52.7 | 50.7 | 09:05 AM - 09:10 AM | 52.4 | 50.5 |
| 08:30 AM - 08:35 AM | 52.5 | 51.1 | 09:10 AM - 09:15 AM | 52.2 | 50.6 |
| 08:35 AM - 08:40 AM | 53.0 | 50.9 | 09:15 AM - 09:20 AM | 52.3 | 50.7 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262061-1

Page 1 of 3

| Sample Number | | | 2227911-8 | | |
|---------------------|-----------|-----------|---|-----------|-----------|
| Parameter | | | Noise Level (Leq 5 min) | | |
| Location | | | บริเวณถนนสาย 477 (GPS 477 0735531, 1402769) | | |
| Measurement Date | | | Mar 07 - Mar 08, 2022 | | |
| Measurement by | | | Satcha Phatsavang | | |
| Sound Level meter | | | Serial No. 00231183 | | |
| Mar 07, 2022 | | | Mar 07, 2022 | | |
| Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) |
| 06:00 PM - 06:05 PM | 65.3 | 50.9 | 08:40 PM - 08:45 PM | 56.3 | 47.6 |
| 06:05 PM - 06:10 PM | 60.6 | 48.6 | 08:45 PM - 08:50 PM | 52.1 | 49.0 |
| 06:10 PM - 06:15 PM | 53.3 | 49.9 | 08:50 PM - 08:55 PM | 50.6 | 46.1 |
| 06:15 PM - 06:20 PM | 53.8 | 50.2 | 08:55 PM - 09:00 PM | 51.6 | 46.0 |
| 06:20 PM - 06:25 PM | 55.9 | 49.7 | 09:00 PM - 09:05 PM | 51.2 | 47.2 |
| 06:25 PM - 06:30 PM | 63.6 | 62.5 | 09:05 PM - 09:10 PM | 52.5 | 47.4 |
| 06:30 PM - 06:35 PM | 61.4 | 57.6 | 09:10 PM - 09:15 PM | 50.7 | 47.0 |
| 06:35 PM - 06:40 PM | 55.7 | 52.7 | 09:15 PM - 09:20 PM | 52.3 | 46.9 |
| 06:40 PM - 06:45 PM | 54.4 | 49.6 | 09:20 PM - 09:25 PM | 53.7 | 47.2 |
| 06:45 PM - 06:50 PM | 52.7 | 49.1 | 09:25 PM - 09:30 PM | 50.9 | 46.5 |
| 06:50 PM - 06:55 PM | 54.1 | 50.6 | 09:30 PM - 09:35 PM | 50.8 | 47.6 |
| 06:55 PM - 07:00 PM | 55.7 | 50.7 | 09:35 PM - 09:40 PM | 50.6 | 46.7 |
| 07:00 PM - 07:05 PM | 55.6 | 51.3 | 09:40 PM - 09:45 PM | 49.0 | 46.3 |
| 07:05 PM - 07:10 PM | 54.6 | 50.8 | 09:45 PM - 09:50 PM | 50.6 | 46.2 |
| 07:10 PM - 07:15 PM | 54.2 | 51.0 | 09:50 PM - 09:55 PM | 49.4 | 45.9 |
| 07:15 PM - 07:20 PM | 54.6 | 52.0 | 09:55 PM - 10:00 PM | 49.2 | 45.7 |
| 07:20 PM - 07:25 PM | 55.4 | 51.7 | 10:00 PM - 10:05 PM | 50.1 | 46.7 |
| 07:25 PM - 07:30 PM | 54.0 | 51.1 | 10:05 PM - 10:10 PM | 53.3 | 45.5 |
| 07:30 PM - 07:35 PM | 53.5 | 50.2 | 10:10 PM - 10:15 PM | 53.6 | 45.4 |
| 07:35 PM - 07:40 PM | 56.4 | 50.9 | 10:15 PM - 10:20 PM | 50.5 | 45.9 |
| 07:40 PM - 07:45 PM | 53.6 | 49.9 | 10:20 PM - 10:25 PM | 53.6 | 45.7 |
| 07:45 PM - 07:50 PM | 53.5 | 50.6 | 10:25 PM - 10:30 PM | 50.4 | 44.8 |
| 07:50 PM - 07:55 PM | 53.5 | 49.7 | 10:30 PM - 10:35 PM | 51.8 | 45.0 |
| 07:55 PM - 08:00 PM | 53.6 | 49.4 | 10:35 PM - 10:40 PM | 54.0 | 44.5 |
| 08:00 PM - 08:05 PM | 52.3 | 49.0 | 10:40 PM - 10:45 PM | 52.3 | 45.0 |
| 08:05 PM - 08:10 PM | 54.6 | 49.8 | 10:45 PM - 10:50 PM | 53.2 | 45.3 |
| 08:10 PM - 08:15 PM | 53.3 | 49.8 | 10:50 PM - 10:55 PM | 49.5 | 45.1 |
| 08:15 PM - 08:20 PM | 52.3 | 48.5 | 10:55 PM - 11:00 PM | 46.4 | 45.2 |
| 08:20 PM - 08:25 PM | 53.2 | 47.6 | 11:00 PM - 11:05 PM | 50.6 | 46.8 |
| 08:25 PM - 08:30 PM | 57.4 | 50.9 | 11:05 PM - 11:10 PM | 57.3 | 46.0 |
| 08:30 PM - 08:35 PM | 54.3 | 51.0 | 11:10 PM - 11:15 PM | 49.6 | 47.9 |
| 08:35 PM - 08:40 PM | 55.8 | 48.4 | 11:15 PM - 11:20 PM | 50.7 | 48.2 |

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Approved by
Saranyut Jitranont
Assistant General Manager

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Approved by
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262061-1

Page 2 of 3

| Sample Number | | | 2227911-8 | | |
|---------------------|-----------|-----------|---|-----------|-----------|
| Parameter | | | Noise Level (Leq 5 min) | | |
| Location | | | บริเวณถนนสาย 477 (GPS 477 0735531, 1402769) | | |
| Measurement Date | | | Mar 07 - Mar 08, 2022 | | |
| Measurement by | | | Satcha Phatsavang | | |
| Sound Level meter | | | Serial No. 00231183 | | |
| Mar 08, 2022 | | | Mar 08, 2022 | | |
| Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) |
| 02:00 AM - 02:05 AM | 45.9 | 38.7 | 04:40 AM - 04:45 AM | 50.0 | 41.7 |
| 02:05 AM - 02:10 AM | 42.7 | 38.1 | 04:45 AM - 04:50 AM | 48.7 | 41.2 |
| 02:10 AM - 02:15 AM | 49.1 | 43.3 | 04:50 AM - 04:55 AM | 52.2 | 45.1 |
| 02:15 AM - 02:20 AM | 50.2 | 45.5 | 04:55 AM - 05:00 AM | 51.2 | 41.4 |
| 02:20 AM - 02:25 AM | 53.5 | 48.3 | 05:00 AM - 05:05 AM | 51.8 | 42.7 |
| 02:25 AM - 02:30 AM | 51.4 | 52.3 | 05:05 AM - 05:10 AM | 53.6 | 42.2 |
| 02:30 AM - 02:35 AM | 52.2 | 50.3 | 05:10 AM - 05:15 AM | 51.9 | 44.5 |
| 02:35 AM - 02:40 AM | 54.7 | 53.4 | 05:15 AM - 05:20 AM | 52.7 | 45.2 |
| 02:40 AM - 02:45 AM | 56.1 | 55.3 | 05:20 AM - 05:25 AM | 54.7 | 50.2 |
| 02:45 AM - 02:50 AM | 57.5 | 56.3 | 05:25 AM - 05:30 AM | 53.3 | 51.3 |
| 02:50 AM - 02:55 AM | 55.1 | 54.0 | 05:30 AM - 05:35 AM | 54.1 | 47.7 |
| 02:55 AM - 03:00 AM | 54.6 | 54.1 | 05:35 AM - 05:40 AM | 53.6 | 47.0 |
| 03:00 AM - 03:05 AM | 54.9 | 53.4 | 05:40 AM - 05:45 AM | 52.5 | 46.3 |
| 03:05 AM - 03:10 AM | 52.4 | 45.7 | 05:45 AM - 05:50 AM | 52.7 | 45.4 |
| 03:10 AM - 03:15 AM | 49.6 | 47.6 | 05:50 AM - 05:55 AM | 52.4 | 45.9 |
| 03:15 AM - 03:20 AM | 47.7 | 44.5 | 05:55 AM - 06:00 AM | 57.4 | 48.8 |
| 03:20 AM - 03:25 AM | 46.0 | 43.1 | 06:00 AM - 06:05 AM | 51.1 | 39.9 |
| 03:25 AM - 03:30 AM | 43.8 | 41.4 | 06:05 AM - 06:10 AM | 55.7 | 53.2 |
| 03:30 AM - 03:35 AM | 46.5 | 41.5 | 06:10 AM - 06:15 AM | 54.6 | 54.5 |
| 03:35 AM - 03:40 AM | 45.7 | 40.4 | 06:15 AM - 06:20 AM | 51.1 | 54.1 |
| 03:40 AM - 03:45 AM | 46.1 | 40.5 | 06:20 AM - 06:25 AM | 57.8 | 55.5 |
| 03:45 AM - 03:50 AM | 47.6 | 40.4 | 06:25 AM - 06:30 AM | 55.6 | 48.8 |
| 03:50 AM - 03:55 AM | 45.9 | 38.9 | 06:30 AM - 06:35 AM | 55.1 | 49.5 |
| 03:55 AM - 04:00 AM | 46.4 | 39.0 | 06:35 AM - 06:40 AM | 56.6 | 49.5 |
| 04:00 AM - 04:05 AM | 47.2 | 39.6 | 06:40 AM - 06:45 AM | 54.6 | 50.3 |
| 04:05 AM - 04:10 AM | 46.6 | 39.2 | 06:45 AM - 06:50 AM | 55.6 | 46.1 |
| 04:10 AM - 04:15 AM | 46.4 | 38.8 | 06:50 AM - 06:55 AM | 54.8 | 49.4 |
| 04:15 AM - 04:20 AM | 47.8 | 39.6 | 06:55 AM - 07:00 AM | 57.2 | 49.9 |
| 04:20 AM - 04:25 AM | 45.9 | 39.0 | 07:00 AM - 07:05 AM | 56.4 | 50.1 |
| 04:25 AM - 04:30 AM | 48.2 | 40.8 | 07:05 AM - 07:10 AM | 56.1 | 50.7 |
| 04:30 AM - 04:35 AM | 48.0 | 40.6 | 07:10 AM - 07:15 AM | 55.7 | 50.2 |
| 04:35 AM - 04:40 AM | 47.1 | 40.2 | 07:15 AM - 07:20 AM | 54.2 | 50.3 |

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Approved by
Saranyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-9
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262062-1

Sample Number : 2227911-9
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร (GPS 47P 0735531, 1402769)
Measurement Date : Mar 08 - Mar 09, 2022
Measurement by : Sattha Phetwong
Sound Level meter : Serial No. 0023183

| Mar 08, 2022 | Leq | L90 | Mar 08, 2022 | Leq | L90 | Mar 08 - Mar 09, 2022 | Leq | L90 |
|---------------------|-------|-------|---------------------|-------|-------|-----------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 06:00 PM - 06:05 PM | 54.4 | 51.0 | 08:40 PM - 08:45 PM | 58.9 | 50.0 | 11:20 PM - 11:25 PM | 52.1 | 43.2 |
| 06:05 PM - 06:10 PM | 54.1 | 50.9 | 08:45 PM - 08:50 PM | 57.0 | 50.1 | 11:25 PM - 11:30 PM | 46.3 | 41.9 |
| 06:10 PM - 06:15 PM | 53.0 | 49.9 | 08:50 PM - 08:55 PM | 53.3 | 48.7 | 11:30 PM - 11:35 PM | 47.3 | 41.9 |
| 06:15 PM - 06:20 PM | 57.5 | 51.7 | 08:55 PM - 09:00 PM | 51.2 | 48.1 | 11:35 PM - 11:40 PM | 48.5 | 42.0 |
| 06:20 PM - 06:25 PM | 60.8 | 52.5 | 09:00 PM - 09:05 PM | 50.5 | 47.6 | 11:40 PM - 11:45 PM | 45.9 | 41.7 |
| 06:25 PM - 06:30 PM | 64.4 | 62.3 | 09:05 PM - 09:10 PM | 50.9 | 47.5 | 11:45 PM - 11:50 PM | 49.8 | 46.9 |
| 06:30 PM - 06:35 PM | 59.4 | 54.6 | 09:10 PM - 09:15 PM | 50.1 | 47.4 | 11:50 PM - 11:55 PM | 50.8 | 45.8 |
| 06:35 PM - 06:40 PM | 54.2 | 51.8 | 09:15 PM - 09:20 PM | 51.2 | 47.6 | 11:55 PM - 12:00 AM | 47.1 | 42.5 |
| 06:40 PM - 06:45 PM | 53.9 | 51.1 | 09:20 PM - 09:25 PM | 50.6 | 47.5 | 12:00 AM - 12:05 AM | 47.2 | 42.2 |
| 06:45 PM - 06:50 PM | 54.4 | 51.2 | 09:25 PM - 09:30 PM | 50.7 | 47.3 | 12:05 AM - 12:10 AM | 53.2 | 42.9 |
| 06:50 PM - 06:55 PM | 54.8 | 51.8 | 09:30 PM - 09:35 PM | 50.7 | 46.9 | 12:10 AM - 12:15 AM | 53.3 | 43.5 |
| 06:55 PM - 07:00 PM | 55.8 | 52.3 | 09:35 PM - 09:40 PM | 51.6 | 46.4 | 12:15 AM - 12:20 AM | 45.3 | 42.7 |
| 07:00 PM - 07:05 PM | 55.6 | 52.1 | 09:40 PM - 09:45 PM | 51.4 | 46.2 | 12:20 AM - 12:25 AM | 45.4 | 41.7 |
| 07:05 PM - 07:10 PM | 55.2 | 51.7 | 09:45 PM - 09:50 PM | 53.5 | 46.5 | 12:25 AM - 12:30 AM | 47.5 | 42.3 |
| 07:10 PM - 07:15 PM | 55.9 | 51.6 | 09:50 PM - 09:55 PM | 51.0 | 47.8 | 12:30 AM - 12:35 AM | 49.0 | 43.0 |
| 07:15 PM - 07:20 PM | 54.2 | 51.1 | 09:55 PM - 10:00 PM | 52.7 | 47.4 | 12:35 AM - 12:40 AM | 47.9 | 43.4 |
| 07:20 PM - 07:25 PM | 53.9 | 51.2 | 10:00 PM - 10:05 PM | 51.6 | 46.3 | 12:40 AM - 12:45 AM | 45.5 | 43.3 |
| 07:25 PM - 07:30 PM | 55.2 | 51.6 | 10:05 PM - 10:10 PM | 50.4 | 45.9 | 12:45 AM - 12:50 AM | 46.2 | 43.3 |
| 07:30 PM - 07:35 PM | 55.7 | 51.8 | 10:10 PM - 10:15 PM | 47.9 | 42.8 | 12:50 AM - 12:55 AM | 46.2 | 41.6 |
| 07:35 PM - 07:40 PM | 54.7 | 51.2 | 10:15 PM - 10:20 PM | 47.8 | 42.0 | 12:55 AM - 01:00 AM | 46.3 | 40.9 |
| 07:40 PM - 07:45 PM | 54.9 | 50.0 | 10:20 PM - 10:25 PM | 47.4 | 41.3 | 01:00 AM - 01:05 AM | 51.3 | 43.6 |
| 07:45 PM - 07:50 PM | 55.4 | 51.5 | 10:25 PM - 10:30 PM | 47.6 | 40.5 | 01:05 AM - 01:10 AM | 46.5 | 44.0 |
| 07:50 PM - 07:55 PM | 55.1 | 50.1 | 10:30 PM - 10:35 PM | 45.5 | 41.1 | 01:10 AM - 01:15 AM | 45.1 | 42.8 |
| 07:55 PM - 08:00 PM | 53.6 | 51.1 | 10:35 PM - 10:40 PM | 49.5 | 41.9 | 01:15 AM - 01:20 AM | 47.9 | 42.5 |
| 08:00 PM - 08:05 PM | 53.4 | 50.2 | 10:40 PM - 10:45 PM | 47.0 | 41.1 | 01:20 AM - 01:25 AM | 47.8 | 42.2 |
| 08:05 PM - 08:10 PM | 53.7 | 50.7 | 10:45 PM - 10:50 PM | 49.3 | 42.1 | 01:25 AM - 01:30 AM | 44.5 | 40.5 |
| 08:10 PM - 08:15 PM | 53.6 | 50.1 | 10:50 PM - 10:55 PM | 55.3 | 42.4 | 01:30 AM - 01:35 AM | 47.9 | 41.5 |
| 08:15 PM - 08:20 PM | 55.2 | 50.2 | 10:55 PM - 11:00 PM | 48.1 | 42.2 | 01:35 AM - 01:40 AM | 42.9 | 38.8 |
| 08:20 PM - 08:25 PM | 55.3 | 50.6 | 11:00 PM - 11:05 PM | 49.5 | 42.4 | 01:40 AM - 01:45 AM | 48.0 | 40.3 |
| 08:25 PM - 08:30 PM | 54.9 | 52.2 | 11:05 PM - 11:10 PM | 49.5 | 42.3 | 01:45 AM - 01:50 AM | 42.3 | 40.2 |
| 08:30 PM - 08:35 PM | 54.0 | 51.8 | 11:10 PM - 11:15 PM | 50.2 | 42.0 | 01:50 AM - 01:55 AM | 46.5 | 40.3 |
| 08:35 PM - 08:40 PM | 53.8 | 50.0 | 11:15 PM - 11:20 PM | 48.5 | 42.7 | 01:55 AM - 02:00 AM | 46.4 | 39.2 |

Approved by

Saranyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-9
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262062-1

Sample Number : 2227911-9
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร (GPS 47P 0735531, 1402769)
Measurement Date : Mar 08 - Mar 09, 2022
Measurement by : Sattha Phetwong
Sound Level meter : Serial No. 0023183

| Mar 09, 2022 | Leq | L90 | Mar 09, 2022 | Leq | L90 | Mar 09, 2022 | Leq | L90 |
|---------------------|-------|-------|---------------------|-------|-------|---------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 10:00 AM - 10:05 PM | 53.0 | 48.3 | 12:40 PM - 12:45 PM | 60.5 | 52.0 | 03:20 PM - 03:25 PM | 52.1 | 45.9 |
| 10:05 AM - 10:10 AM | 51.2 | 46.3 | 12:45 PM - 12:50 PM | 51.9 | 47.8 | 03:25 PM - 03:30 PM | 51.4 | 45.7 |
| 10:10 AM - 10:15 AM | 53.2 | 47.0 | 12:50 PM - 12:55 PM | 54.6 | 47.1 | 03:30 PM - 03:35 PM | 53.8 | 47.6 |
| 10:15 AM - 10:20 AM | 53.8 | 49.0 | 12:55 PM - 01:00 PM | 53.1 | 47.4 | 03:35 PM - 03:40 PM | 53.6 | 49.0 |
| 10:20 AM - 10:25 AM | 57.1 | 51.9 | 01:00 PM - 01:05 PM | 50.4 | 46.9 | 03:40 PM - 03:45 PM | 50.9 | 44.9 |
| 10:25 AM - 10:30 AM | 55.7 | 53.4 | 01:05 PM - 01:10 PM | 51.3 | 46.7 | 03:45 PM - 03:50 PM | 54.0 | 47.9 |
| 10:30 AM - 10:35 AM | 55.3 | 49.7 | 01:10 PM - 01:15 PM | 50.0 | 45.5 | 03:50 PM - 03:55 PM | 52.4 | 47.6 |
| 10:35 AM - 10:40 AM | 50.6 | 46.9 | 01:15 PM - 01:20 PM | 50.7 | 45.8 | 03:55 PM - 04:00 PM | 52.3 | 47.0 |
| 10:40 AM - 10:45 AM | 50.7 | 46.0 | 01:20 PM - 01:25 PM | 52.0 | 47.3 | 04:00 PM - 04:05 PM | 52.4 | 47.6 |
| 10:45 AM - 10:50 AM | 61.6 | 47.9 | 01:25 PM - 01:30 PM | 53.5 | 50.7 | 04:05 PM - 04:10 PM | 52.7 | 48.6 |
| 10:50 AM - 10:55 AM | 64.3 | 61.9 | 01:30 PM - 01:35 PM | 51.9 | 46.9 | 04:10 PM - 04:15 PM | 54.2 | 46.7 |
| 10:55 AM - 11:00 AM | 53.9 | 51.3 | 01:35 PM - 01:40 PM | 52.2 | 45.3 | 04:15 PM - 04:20 PM | 50.5 | 46.7 |
| 11:00 AM - 11:05 AM | 51.2 | 46.5 | 01:40 PM - 01:45 PM | 52.3 | 45.3 | 04:20 PM - 04:25 PM | 52.3 | 47.8 |
| 11:05 AM - 11:10 AM | 53.6 | 46.4 | 01:45 PM - 01:50 PM | 50.8 | 42.7 | 04:25 PM - 04:30 PM | 50.5 | 51.3 |
| 11:10 AM - 11:15 AM | 55.0 | 49.8 | 01:50 PM - 01:55 PM | 51.2 | 44.9 | 04:30 PM - 04:35 PM | 56.9 | 51.1 |
| 11:15 AM - 11:20 AM | 56.5 | 48.3 | 01:55 PM - 02:00 PM | 51.4 | 46.3 | 04:35 PM - 04:40 PM | 57.4 | 51.8 |
| 11:20 AM - 11:25 AM | 55.2 | 50.4 | 02:00 PM - 02:05 PM | 52.4 | 47.9 | 04:40 PM - 04:45 PM | 52.7 | 46.9 |
| 11:25 AM - 11:30 AM | 56.5 | 52.2 | 02:05 PM - 02:10 PM | 51.5 | 47.2 | 04:45 PM - 04:50 PM | 53.5 | 49.1 |
| 11:30 AM - 11:35 AM | 56.1 | 51.5 | 02:10 PM - 02:15 PM | 51.4 | 44.4 | 04:50 PM - 04:55 PM | 51.8 | 48.1 |
| 11:35 AM - 11:40 AM | 53.9 | 48.2 | 02:15 PM - 02:20 PM | 50.2 | 45.0 | 04:55 PM - 05:00 PM | 56.2 | 50.3 |
| 11:40 AM - 11:45 AM | 60.0 | 52.9 | 02:20 PM - 02:25 PM | 48.6 | 42.8 | 05:00 PM - 05:05 PM | 53.7 | 50.2 |
| 11:45 AM - 11:50 AM | 63.4 | 59.8 | 02:25 PM - 02:30 PM | 53.2 | 50.6 | 05:05 PM - 05:10 PM | 54.6 | 50.2 |
| 11:50 AM - 11:55 AM | 59.5 | 53.7 | 02:30 PM - 02:35 PM | 52.2 | 47.1 | 05:10 PM - 05:15 PM | 54.7 | 50.5 |
| 11:55 AM - 12:00 PM | 54.5 | 50.0 | 02:35 PM - 02:40 PM | 51.6 | 45.1 | 05:15 PM - 05:20 PM | 54.3 | 50.0 |
| 12:00 PM - 12:05 PM | 63.6 | 59.5 | 02:40 PM - 02:45 PM | 55.4 | 53.7 | 05:20 PM - 05:25 PM | 57.2 | 48.9 |
| 12:05 PM - 12:10 PM | 60.8 | 55.4 | 02:45 PM - 02:50 PM | 53.3 | 52.5 | 05:25 PM - 05:30 PM | 55.1 | 50.3 |
| 12:10 PM - 12:15 PM | 52.0 | 47.3 | 02:50 PM - 02:55 PM | 54.8 | 50.0 | 05:30 PM - 05:35 PM | 55.7 | 52.2 |
| 12:15 PM - 12:20 PM | 52.3 | 45.7 | 02:55 PM - 03:00 PM | 52.0 | 46.2 | 05:35 PM - 05:40 PM | 56.8 | 52.8 |
| 12:20 PM - 12:25 PM | 49.8 | 45.8 | 03:00 PM - 03:05 PM | 56.9 | 55.2 | 05:40 PM - 05:45 PM | 55.7 | 51.0 |
| 12:25 PM - 12:30 PM | 50.9 | 46.2 | 03:05 PM - 03:10 PM | 62.3 | 60.2 | 05:45 PM - 05:50 PM | 55.7 | 51.9 |
| 12:30 PM - 12:35 PM | 51.8 | 46.9 | 03:10 PM - 03:15 PM | 57.4 | 52.0 | 05:50 PM - 05:55 PM | 55.6 | 51.4 |
| 12:35 PM - 12:40 PM | 54.7 | 50.7 | 03:15 PM - 03:20 PM | 52.2 | 46.7 | 05:55 PM - 06:00 PM | 59.6 | 50.9 |

Approved by

Saranyut Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-9
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262062-1

Sample Number : 2227911-9
Parameter : Noise Level (Leq 5 min)
Location : กรุงเทพมหานคร (GPS 47P 0735531, 1402769)
Measurement Date : Mar 08 - Mar 09, 2022
Measurement by : Sattha Phetwong
Sound Level meter : Serial No. 0023183

| Mar 09, 2022 | Leq | L90 | Mar 09, 2022 | Leq | L90 | Mar 09, 2022 | Leq | L90 |
|---------------------|-------|-------|---------------------|-------|-------|---------------------|-------|-------|
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 02:00 AM - 02:05 AM | 42.9 | 39.1 | 04:40 AM - 04:45 AM | 51.2 | 42.3 | 07:20 AM - 07:25 AM | 55.3 | 49.4 |
| 02:05 AM - 02:10 AM | 44.8 | 40.3 | 04:45 AM - 04:50 AM | 49.5 | 43.0 | 07:25 AM - 07:30 AM | 55.2 | 51.8 |
| 02:10 AM - 02:15 AM | 47.8 | 39.5 | 04:50 AM - 04:55 AM | 52.6 | 46.5 | 07:30 AM - 07:35 AM | 56.9 | 52.4 |
| 02:15 AM - 02:20 AM | 41.6 | 38.6 | 04:55 AM - 05:00 AM | 50.6 | 43.8 | 07:35 AM - 07:40 AM | 54.7 | 51.9 |
| 02:20 AM - 02:25 AM | 47.6 | 40.0 | 05:00 AM - 05:05 AM | 50.2 | 43.9 | 07:40 AM - 07:45 AM | 54.0 | 51.1 |
| 02:25 AM - 02:30 AM | 48.7 | 41.2 | 05:05 AM - 05:10 AM | 51.6 | 46.1 | 07:45 AM - 07:50 AM | 53.9 | 51.1 |
| 02:30 AM - 02:35 AM | 57.4 | 49.3 | 05:10 AM - 05:15 AM | 51.1 | 45.3 | 07:50 AM - 07:55 AM | 53.7 | 51.3 |
| 02:35 AM - 02:40 AM | 57.4 | 48.3 | 05:15 AM - 05:20 AM | 49.8 | 45.0 | 07:55 AM - 08:00 AM | 53.8 | 51.3 |
| 02:40 AM - 02:45 AM | 50.4 | 42.3 | 05:20 AM - 05:25 AM | 50.7 | 45.8 | 08:00 AM - 08:05 AM | 55.6 | 51.5 |
| 02:45 AM - 02:50 AM | 52.5 | 46.6 | 05:25 AM - 05:30 AM | 50.7 | 45.7 | 08:05 AM - 08:10 AM | 53.9 | 51.6 |
| 02:50 AM - 02:55 AM | 51.9 | 43.2 | 05:30 AM - 05:35 AM | 49.0 | 45.0 | 08:10 AM - 08:15 AM | 53.8 | 51.1 |
| 02:55 AM - 03:00 AM | 50.7 | 41.2 | 05:35 AM - 05:40 AM | 50.7 | 46.7 | 08:15 AM - 08:20 AM | 52.5 | 49.8 |
| 03:00 AM - 03:05 AM | 50.1 | 42.3 | 05:40 AM - 05:45 AM | 50.7 | 46.9 | 08:20 AM - 08:25 AM | 52.6 | 49.3 |
| 03:05 AM - 03:10 AM | 52.4 | 43.5 | 05:45 AM - 05:50 AM | 52.7 | 48.5 | 08:25 AM - 08:30 AM | 52.5 | 49.6 |
| 03:10 AM - 03:15 AM | 51.4 | 42.2 | 05:50 AM - 05:55 AM | 60.9 | 50.6 | 08:30 AM - 08:35 AM | 55.5 | 51.4 |
| 03:15 AM - 03:20 AM | 52.8 | 44.7 | 05:55 AM - 06:00 AM | 63.9 | 66.3 | 08:35 AM - 08:40 AM | 51.8 | 51.5 |
| 03:20 AM - 03:25 AM | 51.5 | 43.5 | 06:00 AM - 06:05 AM | 64.5 | 59.5 | 08:40 AM - 08:45 AM | 52.8 | 48.8 |
| 03:25 AM - 03:30 AM | 53.9 | 41.6 | 06:05 AM - 06:10 AM | 55.8 | 52.2 | 08:45 AM - 08:50 AM | 52.6 | 47.2 |
| 03:30 AM - 03:35 AM | 54.7 | 52.6 | 06:10 AM - 06:15 AM | 55.2 | 52.6 | 08:50 AM - 08:55 AM | 52.8 | 45.2 |
| 03:35 AM - 03:40 AM | 54.9 | 52.5 | 06:15 AM - 06:20 AM | 55.0 | 51.9 | 08:55 AM - 09:00 AM | 51.9 | 46.6 |
| 03:40 AM - 03:45 AM | 54.2 | 45.2 | 06:20 AM - 06:25 AM | 54.0 | 49.8 | 09:00 AM - 09:05 AM | 54.5 | 46.9 |
| 03:45 AM - 03:50 AM | 56.0 | 53.8 | 06:25 AM - 06:30 AM | 54.3 | 50.3 | 09:05 AM - 09:10 AM | 55.3 | 46.6 |
| 03:50 AM - 03:55 AM | 55.5 | 52.8 | 06:30 AM - 06:35 AM | 55.6 | 50.4 | 09:10 AM - 09:15 AM | 50.8 | 50.5 |
| 03:55 AM - 04:00 AM | 55.3 | 52.8 | 06:35 AM - 06:40 AM | 51.9 | 49.8 | 09:15 AM - 09:20 AM | 50.3 | 45.7 |
| 04:00 AM - 04:05 AM | 55.2 | 53.0 | 06:40 AM - 06:45 AM | 54.8 | 51.8 | 09:20 AM - 09:25 AM | 50.0 | 45.3 |
| 04:05 AM - 04:10 AM | 53.8 | 45.3 | 06:45 AM - 06:50 AM | 54.9 | 51.8 | 09:25 AM - 09:30 AM | 51.6 | 46.2 |
| 04:10 AM - 04:15 AM | 50.5 | 42.9 | 06:50 AM - 06:55 AM | 55.4 | 51.5 | 09:30 AM - 09:35 AM | 52.3 | 47.1 |
| 04:15 AM - 04:20 AM | 50.7 | 42.6 | 06:55 AM - 07:00 AM | 56.5 | 52.8 | 09:35 AM - 09:40 AM | 51.3 | 47.4 |
| 04:20 AM - 04:25 AM | 53.5 | 50.8 | 07:00 AM - 07:05 AM | 57.8 | 52.1 | 09:40 AM - 09:45 AM | 52.0 | 46.9 |
| 04:25 AM - 04:30 AM | 50.3 | 41.6 | 07:05 AM - 07:10 AM | 55.7 | 52.7 | 09:45 AM - 09:50 AM | 52.6 | 45.6 |
| 04:30 AM - 04:35 AM | 52.3 | 43.2 | 07:10 AM - 07:15 AM | 51.8 | 50.8 | 09:50 AM - 09:55 AM | 51.5 | 46.5 |
| 04:35 AM - 04:40 AM | 51.4 | 44.2 | 07:15 AM - 07:20 AM | 54.0 | 50.5 | 09:55 AM - 10:00 AM | 51.9 | 46.4 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, T-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262093-1

Page 2 of 3

| 2227911-10 | | | 2227911-10 | | |
|---------------------|-------|-------|---------------------|-------|-------|
| Parameter | | | Parameter | | |
| Location | | | Location | | |
| Measurement Date | | | Measurement Date | | |
| Measurement by | | | Measurement by | | |
| Sound Level meter | | | Sound Level meter | | |
| Serial No. 0023183 | | | Serial No. 0023183 | | |
| Mar 10, 2022 | Leq | L90 | Mar 10, 2022 | Leq | L90 |
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 02:00 AM - 02:05 AM | 51.6 | 44.7 | 04:40 AM - 04:45 AM | 47.9 | 44.1 |
| 02:05 AM - 02:10 AM | 47.6 | 45.2 | 04:45 AM - 04:50 AM | 47.5 | 44.2 |
| 02:10 AM - 02:15 AM | 50.9 | 47.3 | 04:50 AM - 04:55 AM | 51.9 | 45.6 |
| 02:15 AM - 02:20 AM | 58.0 | 49.7 | 04:55 AM - 05:00 AM | 49.4 | 45.5 |
| 02:20 AM - 02:25 AM | 60.8 | 59.4 | 05:00 AM - 05:05 AM | 52.4 | 45.8 |
| 02:25 AM - 02:30 AM | 59.2 | 56.2 | 05:05 AM - 05:10 AM | 50.8 | 46.4 |
| 02:30 AM - 02:35 AM | 55.1 | 51.9 | 05:10 AM - 05:15 AM | 50.0 | 45.5 |
| 02:35 AM - 02:40 AM | 46.3 | 43.2 | 05:15 AM - 05:20 AM | 49.4 | 44.7 |
| 02:40 AM - 02:45 AM | 48.0 | 43.5 | 05:20 AM - 05:25 AM | 48.9 | 45.0 |
| 02:45 AM - 02:50 AM | 48.2 | 43.3 | 05:25 AM - 05:30 AM | 50.1 | 44.9 |
| 02:50 AM - 02:55 AM | 45.2 | 41.1 | 05:30 AM - 05:35 AM | 50.1 | 45.0 |
| 02:55 AM - 03:00 AM | 44.7 | 42.8 | 05:35 AM - 05:40 AM | 50.5 | 46.4 |
| 03:00 AM - 03:05 AM | 46.4 | 43.3 | 05:40 AM - 05:45 AM | 50.7 | 45.9 |
| 03:05 AM - 03:10 AM | 49.6 | 44.3 | 05:45 AM - 05:50 AM | 52.0 | 46.8 |
| 03:10 AM - 03:15 AM | 49.8 | 44.4 | 05:50 AM - 05:55 AM | 50.3 | 45.0 |
| 03:15 AM - 03:20 AM | 49.1 | 43.0 | 05:55 AM - 06:00 AM | 50.2 | 46.1 |
| 03:20 AM - 03:25 AM | 45.8 | 42.0 | 06:00 AM - 06:05 AM | 50.6 | 46.5 |
| 03:25 AM - 03:30 AM | 50.5 | 41.4 | 06:05 AM - 06:10 AM | 56.2 | 52.7 |
| 03:30 AM - 03:35 AM | 52.4 | 41.0 | 06:10 AM - 06:15 AM | 54.9 | 52.0 |
| 03:35 AM - 03:40 AM | 48.9 | 42.2 | 06:15 AM - 06:20 AM | 54.8 | 52.2 |
| 03:40 AM - 03:45 AM | 52.6 | 42.4 | 06:20 AM - 06:25 AM | 55.9 | 53.3 |
| 03:45 AM - 03:50 AM | 49.6 | 42.4 | 06:25 AM - 06:30 AM | 56.9 | 53.3 |
| 03:50 AM - 03:55 AM | 54.4 | 41.9 | 06:30 AM - 06:35 AM | 57.5 | 54.6 |
| 03:55 AM - 04:00 AM | 49.4 | 41.8 | 06:35 AM - 06:40 AM | 59.7 | 56.8 |
| 04:00 AM - 04:05 AM | 51.2 | 42.0 | 06:40 AM - 06:45 AM | 57.1 | 54.0 |
| 04:05 AM - 04:10 AM | 48.5 | 41.9 | 06:45 AM - 06:50 AM | 57.5 | 57.5 |
| 04:10 AM - 04:15 AM | 50.1 | 41.8 | 06:50 AM - 06:55 AM | 56.0 | 54.3 |
| 04:15 AM - 04:20 AM | 48.2 | 42.4 | 06:55 AM - 07:00 AM | 56.1 | 54.8 |
| 04:20 AM - 04:25 AM | 46.6 | 42.2 | 07:00 AM - 07:05 AM | 56.5 | 53.8 |
| 04:25 AM - 04:30 AM | 48.0 | 42.5 | 07:05 AM - 07:10 AM | 56.2 | 53.3 |
| 04:30 AM - 04:35 AM | 48.9 | 44.4 | 07:10 AM - 07:15 AM | 56.6 | 53.5 |
| 04:35 AM - 04:40 AM | 47.8 | 44.0 | 07:15 AM - 07:20 AM | 56.1 | 53.7 |

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, T-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262094-1

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| 2227911-11 | | | 2227911-11 | | |
|---------------------|-------|-------|---------------------|-------|-------|
| Parameter | | | Parameter | | |
| Location | | | Location | | |
| Measurement Date | | | Measurement Date | | |
| Measurement by | | | Measurement by | | |
| Sound Level meter | | | Sound Level meter | | |
| Serial No. 0023183 | | | Serial No. 0023183 | | |
| Mar 10, 2022 | Leq | L90 | Mar 10, 2022 | Leq | L90 |
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 06:00 PM - 06:05 PM | 54.4 | 49.3 | 06:40 PM - 06:45 PM | 51.7 | 48.2 |
| 06:05 PM - 06:10 PM | 53.7 | 50.3 | 06:45 PM - 06:50 PM | 52.5 | 48.7 |
| 06:10 PM - 06:15 PM | 54.0 | 49.7 | 06:50 PM - 06:55 PM | 52.2 | 47.9 |
| 06:15 PM - 06:20 PM | 52.1 | 48.5 | 06:55 PM - 07:00 PM | 53.6 | 49.9 |
| 06:20 PM - 06:25 PM | 60.3 | 49.4 | 07:00 PM - 07:05 PM | 52.1 | 48.4 |
| 06:25 PM - 06:30 PM | 69.3 | 68.0 | 07:05 PM - 07:10 PM | 54.1 | 48.4 |
| 06:30 PM - 06:35 PM | 65.0 | 59.9 | 07:10 PM - 07:15 PM | 52.0 | 47.6 |
| 06:35 PM - 06:40 PM | 56.4 | 51.8 | 07:15 PM - 07:20 PM | 50.8 | 47.3 |
| 06:40 PM - 06:45 PM | 54.5 | 51.4 | 07:20 PM - 07:25 PM | 51.2 | 48.1 |
| 06:45 PM - 06:50 PM | 54.8 | 52.1 | 07:25 PM - 07:30 PM | 51.5 | 48.6 |
| 06:50 PM - 06:55 PM | 53.1 | 53.1 | 07:30 PM - 07:35 PM | 51.5 | 45.5 |
| 06:55 PM - 07:00 PM | 57.1 | 54.4 | 07:35 PM - 07:40 PM | 56.5 | 46.1 |
| 07:00 PM - 07:05 PM | 55.6 | 54.1 | 07:40 PM - 07:45 PM | 50.8 | 46.2 |
| 07:05 PM - 07:10 PM | 55.6 | 52.6 | 07:45 PM - 07:50 PM | 51.0 | 46.9 |
| 07:10 PM - 07:15 PM | 55.4 | 52.2 | 07:50 PM - 07:55 PM | 55.0 | 46.5 |
| 07:15 PM - 07:20 PM | 54.0 | 50.7 | 07:55 PM - 08:00 PM | 50.4 | 46.3 |
| 07:20 PM - 07:25 PM | 54.1 | 49.1 | 08:00 PM - 08:05 PM | 50.1 | 46.1 |
| 07:25 PM - 07:30 PM | 53.9 | 49.3 | 08:05 PM - 08:10 PM | 51.2 | 48.1 |
| 07:30 PM - 07:35 PM | 53.3 | 49.3 | 08:10 PM - 08:15 PM | 53.8 | 49.9 |
| 07:35 PM - 07:40 PM | 57.5 | 48.8 | 08:15 PM - 08:20 PM | 48.5 | 45.4 |
| 07:40 PM - 07:45 PM | 57.0 | 49.2 | 08:20 PM - 08:25 PM | 50.5 | 45.9 |
| 07:45 PM - 07:50 PM | 55.8 | 48.9 | 08:25 PM - 08:30 PM | 49.0 | 45.0 |
| 07:50 PM - 07:55 PM | 57.9 | 46.4 | 08:30 PM - 08:35 PM | 49.6 | 45.9 |
| 07:55 PM - 08:00 PM | 54.2 | 50.7 | 08:35 PM - 08:40 PM | 49.7 | 45.4 |
| 08:00 PM - 08:05 PM | 54.4 | 50.1 | 08:40 PM - 08:45 PM | 53.2 | 45.2 |
| 08:05 PM - 08:10 PM | 54.3 | 50.1 | 08:45 PM - 08:50 PM | 46.4 | 42.6 |
| 08:10 PM - 08:15 PM | 53.7 | 48.7 | 08:50 PM - 08:55 PM | 49.3 | 44.8 |
| 08:15 PM - 08:20 PM | 52.6 | 49.3 | 08:55 PM - 09:00 PM | 49.3 | 44.8 |
| 08:20 PM - 08:25 PM | 51.7 | 48.9 | 09:00 PM - 09:05 PM | 51.5 | 44.6 |
| 08:25 PM - 08:30 PM | 56.2 | 50.9 | 09:05 PM - 09:10 PM | 48.1 | 43.2 |
| 08:30 PM - 08:35 PM | 55.2 | 51.2 | 09:10 PM - 09:15 PM | 48.6 | 42.7 |
| 08:35 PM - 08:40 PM | 53.2 | 49.9 | 09:15 PM - 09:20 PM | 49.6 | 43.1 |

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Approved by

Serayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, T-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262093-1

Page 2 of 3

| 2227911-10 | | | 2227911-10 | | |
|---------------------|-------|-------|---------------------|-------|-------|
| Parameter | | | Parameter | | |
| Location | | | Location | | |
| Measurement Date | | | Measurement Date | | |
| Measurement by | | | Measurement by | | |
| Sound Level meter | | | Sound Level meter | | |
| Serial No. 0023183 | | | Serial No. 0023183 | | |
| Mar 10, 2022 | Leq | L90 | Mar 10, 2022 | Leq | L90 |
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) |
| 10:00 AM - 10:05 AM | 54.7 | 45.5 | 12:40 PM - 12:45 PM | 51.8 | 48.8 |
| 10:05 AM - 10:10 AM | 52.9 | 47.9 | 12:45 PM - 12:50 PM | 52.7 | 49.0 |
| 10:10 AM - 10:15 AM | 50.5 | 47.1 | 12:50 PM - 12:55 PM | 52.6 | 50.8 |
| 10:15 AM - 10:20 AM | 51.2 | 47.6 | 12:55 PM - 01:00 PM | 52.4 | 48.8 |
| 10:20 AM - 10:25 AM | 53.0 | 48.7 | 01:00 PM - 01:05 PM | 52.0 | 47.7 |
| 10:25 AM - 10:30 AM | 53.7 | 50.5 | 01:05 PM - 01:10 PM | 50.3 | 47.2 |
| 10:30 AM - 10:35 AM | 51.5 | 48.6 | 01:10 PM - 01:15 PM | 53.7 | 46.4 |
| 10:35 AM - 10:40 AM | 52.5 | 48.1 | 01:15 PM - 01:20 PM | 61.5 | 54.9 |
| 10:40 AM - 10:45 AM | 50.9 | 46.4 | 01:20 PM - 01:25 PM | 47.1 | 63.3 |
| 10:45 AM - 10:50 AM | 53.2 | 47.4 | 01:25 PM - 01:30 PM | 63.3 | 60.7 |
| 10:50 AM - 10:55 AM | 56.8 | 49.4 | 01:30 PM - 01:35 PM | 58.7 | 47.4 |
| 10:55 AM - 11:00 AM | 54.3 | 48.9 | 01:35 PM - 01:40 PM | 52.3 | 49.0 |
| 11:00 AM - 11:05 AM | 54.4 | 50.6 | 01:40 PM - 01:45 PM | 54.3 | 50.6 |
| 11:05 AM - 11:10 AM | 56.2 | 50.1 | 01:45 PM - 01:50 PM | 56.0 | 52.8 |
| 11:10 AM - 11:15 AM | 66.2 | 61.4 | 01:50 PM - 01:55 PM | 54.2 | 52.4 |
| 11:15 AM - 11:20 AM | 65.4 | 52.7 | 01:55 PM - 02:00 PM | 50.7 | 47.0 |
| 11:20 AM - 11:25 AM | 51.8 | 48.6 | 02:00 PM - 02:05 PM | 49.9 | 45.4 |
| 11:25 AM - 11:30 AM | 52.4 | 48.0 | 02:05 PM - 02:10 PM | 51.2 | 47.4 |
| 11:30 AM - 11:35 AM | 53.2 | 47.5 | 02:10 PM - 02:15 PM | 52.7 | 48.3 |
| 11:35 AM - 11:40 AM | 51.6 | 46.3 | 02:15 PM - 02:20 PM | 51.3 | 47.4 |
| 11:40 AM - 11:45 AM | 54.2 | 48.3 | 02:20 PM - 02:25 PM | 51.6 | 48.5 |
| 11:45 AM - 11:50 AM | 52.9 | 47.7 | 02:25 PM - 02:30 PM | 52.9 | 50.7 |
| 11:50 AM - 11:55 AM | 52.5 | 49.5 | 02:30 PM - 02:35 PM | 53.4 | 49.2 |
| 11:55 AM - 12:00 PM | 52.2 | 49.1 | 02:35 PM - 02:40 PM | 52.5 | 50.1 |
| 12:00 PM - 12:05 PM | 51.9 | 47.8 | 02:40 PM - 02:45 PM | 52.6 | 47.2 |
| 12:05 PM - 12:10 PM | 57.5 | 49.8 | 02:45 PM - 02:50 PM | 51.4 | 48.0 |
| 12:10 PM - 12:15 PM | 57.6 | 51.8 | 02:50 PM - 02:55 PM | 51.2 | 45.7 |
| 12:15 PM - 12:20 PM | 54.3 | 52.0 | 02:55 PM - 03:00 PM | 51.0 | 46.7 |
| 12:20 PM - 12:25 PM | 52.4 | 48.6 | 03:00 PM - 03:05 PM | 50.2 | 46.3 |
| 12:25 PM - 12:30 PM | 51.7 | 46.5 | 03:05 PM - 03:10 PM | 51.4 | 45.6 |
| 12:30 PM - 12:35 PM | 54.1 | 46.9 | 03:10 PM - 03:15 PM | 50.2 | 45.9 |
| 12:35 PM - 12:40 PM | 51.4 | 45.8 | 03:15 PM - 03:20 PM | 50.6 | 45.4 |

The above results are valid only for the test and analytical methods indicated in this report. No part of the report or test results can be reproduced or used in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Serayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, T-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262094-1

Page 2 of 3

| | | | | | | | | |
|---------------------|------|--|---------------------|--------------|------|---------------------|-------|------|
| Sample Number | | 2227911-11 | | | | | | |
| Parameter | | Noise Level (Leq 5 min) | | | | | | |
| Location | | ถนนพหลโยธิน-ศรีนคร (GPS 47P 073531, 1402269) | | | | | | |
| Measurement Date | | Mar 10 - Mar 11, 2022 | | | | | | |
| Measurement by | | Sattha Phatthanag | | | | | | |
| Sound Level meter | | Serial No. 0023183 | | | | | | |
| Mar 11, 2022 | | Leq | L90 | Mar 11, 2022 | | Leq | L90 | |
| Time | | dB(A) | dB(A) | Time | | dB(A) | dB(A) | |
| 02:00 AM - 02:05 AM | 45.2 | 41.2 | 04:40 AM - 04:45 AM | 46.3 | 43.4 | 07:20 AM - 07:25 AM | 55.4 | 52.1 |
| 02:05 AM - 02:10 AM | 45.3 | 41.2 | 04:45 AM - 04:50 AM | 46.7 | 43.9 | 07:25 AM - 07:30 AM | 57.4 | 53.2 |
| 02:10 AM - 02:15 AM | 46.0 | 41.7 | 04:50 AM - 04:55 AM | 47.9 | 43.7 | 07:30 AM - 07:35 AM | 54.2 | 52.0 |
| 02:15 AM - 02:20 AM | 45.0 | 42.5 | 04:55 AM - 05:00 AM | 48.7 | 44.8 | 07:35 AM - 07:40 AM | 55.1 | 52.5 |
| 02:20 AM - 02:25 AM | 44.6 | 42.2 | 05:00 AM - 05:05 AM | 48.8 | 43.4 | 07:40 AM - 07:45 AM | 53.7 | 51.0 |
| 02:25 AM - 02:30 AM | 46.4 | 43.0 | 05:05 AM - 05:10 AM | 48.5 | 44.8 | 07:45 AM - 07:50 AM | 55.5 | 51.8 |
| 02:30 AM - 02:35 AM | 47.2 | 42.6 | 05:10 AM - 05:15 AM | 48.2 | 44.3 | 07:50 AM - 07:55 AM | 56.4 | 52.2 |
| 02:35 AM - 02:40 AM | 43.6 | 41.9 | 05:15 AM - 05:20 AM | 49.1 | 44.6 | 07:55 AM - 08:00 AM | 53.9 | 51.5 |
| 02:40 AM - 02:45 AM | 46.2 | 42.7 | 05:20 AM - 05:25 AM | 49.8 | 46.6 | 08:00 AM - 08:05 AM | 55.5 | 51.9 |
| 02:45 AM - 02:50 AM | 45.2 | 42.0 | 05:25 AM - 05:30 AM | 49.1 | 45.9 | 08:05 AM - 08:10 AM | 54.2 | 52.1 |
| 02:50 AM - 02:55 AM | 46.5 | 42.6 | 05:30 AM - 05:35 AM | 49.4 | 45.3 | 08:10 AM - 08:15 AM | 55.9 | 52.2 |
| 02:55 AM - 03:00 AM | 44.3 | 42.3 | 05:35 AM - 05:40 AM | 50.5 | 46.8 | 08:15 AM - 08:20 AM | 54.2 | 52.1 |
| 03:00 AM - 03:05 AM | 52.5 | 42.9 | 05:40 AM - 05:45 AM | 51.2 | 45.7 | 08:20 AM - 08:25 AM | 57.0 | 52.2 |
| 03:05 AM - 03:10 AM | 44.4 | 42.3 | 05:45 AM - 05:50 AM | 52.3 | 47.1 | 08:25 AM - 08:30 AM | 55.0 | 52.3 |
| 03:10 AM - 03:15 AM | 45.3 | 42.3 | 05:50 AM - 05:55 AM | 54.6 | 49.1 | 08:30 AM - 08:35 AM | 55.4 | 51.8 |
| 03:15 AM - 03:20 AM | 44.9 | 42.3 | 05:55 AM - 06:00 AM | 58.8 | 56.6 | 08:35 AM - 08:40 AM | 54.8 | 51.6 |
| 03:20 AM - 03:25 AM | 45.9 | 42.3 | 06:00 AM - 06:05 AM | 61.8 | 56.9 | 08:40 AM - 08:45 AM | 55.5 | 52.0 |
| 03:25 AM - 03:30 AM | 45.0 | 42.7 | 06:05 AM - 06:10 AM | 55.5 | 51.7 | 08:45 AM - 08:50 AM | 51.3 | 48.2 |
| 03:30 AM - 03:35 AM | 48.1 | 42.5 | 06:10 AM - 06:15 AM | 54.8 | 52.1 | 08:50 AM - 08:55 AM | 52.9 | 49.0 |
| 03:35 AM - 03:40 AM | 48.8 | 42.4 | 06:15 AM - 06:20 AM | 54.7 | 51.6 | 08:55 AM - 09:00 AM | 52.4 | 48.1 |
| 03:40 AM - 03:45 AM | 44.8 | 42.7 | 06:20 AM - 06:25 AM | 54.7 | 51.3 | 09:00 AM - 09:05 AM | 52.1 | 48.2 |
| 03:45 AM - 03:50 AM | 46.2 | 42.9 | 06:25 AM - 06:30 AM | 54.4 | 51.2 | 09:05 AM - 09:10 AM | 52.4 | 48.2 |
| 03:50 AM - 03:55 AM | 47.6 | 43.2 | 06:30 AM - 06:35 AM | 55.2 | 51.6 | 09:10 AM - 09:15 AM | 52.5 | 47.3 |
| 03:55 AM - 04:00 AM | 48.8 | 43.4 | 06:35 AM - 06:40 AM | 55.0 | 50.4 | 09:15 AM - 09:20 AM | 51.2 | 47.0 |
| 04:00 AM - 04:05 AM | 44.6 | 42.6 | 06:40 AM - 06:45 AM | 56.5 | 51.9 | 09:20 AM - 09:25 AM | 51.6 | 47.4 |
| 04:05 AM - 04:10 AM | 45.2 | 42.2 | 06:45 AM - 06:50 AM | 55.8 | 51.3 | 09:25 AM - 09:30 AM | 51.9 | 46.1 |
| 04:10 AM - 04:15 AM | 45.1 | 42.1 | 06:50 AM - 06:55 AM | 56.1 | 52.1 | 09:30 AM - 09:35 AM | 51.5 | 43.8 |
| 04:15 AM - 04:20 AM | 47.3 | 43.2 | 06:55 AM - 07:00 AM | 54.4 | 51.9 | 09:35 AM - 09:40 AM | 51.5 | 45.0 |
| 04:20 AM - 04:25 AM | 47.9 | 43.9 | 07:00 AM - 07:05 AM | 57.1 | 53.2 | 09:40 AM - 09:45 AM | 50.9 | 45.0 |
| 04:25 AM - 04:30 AM | 48.0 | 44.2 | 07:05 AM - 07:10 AM | 56.6 | 53.3 | 09:45 AM - 09:50 AM | 50.3 | 46.4 |
| 04:30 AM - 04:35 AM | 47.0 | 43.9 | 07:10 AM - 07:15 AM | 54.7 | 53.0 | 09:50 AM - 09:55 AM | 50.3 | 46.0 |
| 04:35 AM - 04:40 AM | 45.8 | 43.6 | 07:15 AM - 07:20 AM | 56.0 | 52.8 | 09:55 AM - 10:00 AM | 51.4 | 45.4 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-11
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262054-1

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|---------------------|------|---|---------------------|-------|------|---------------------|------|-------|---------------------|-------|------|---------------------|------|-------|---------------------|-------|------|
| Sample Number | | 2227911-11 | | | | | | | | | | | | | | | |
| Parameter | | Noise Level (Leq 5 min) | | | | | | | | | | | | | | | |
| Location | | Localities: Sindhupalchok (GPS 47°07'5531, 14°02'759) | | | | | | | | | | | | | | | |
| Measurement Date | | Mar 10 - Mar 11, 2022 | | | | | | | | | | | | | | | |
| Measurement by | | Sabitsha Phetawong | | | | | | | | | | | | | | | |
| Sound Level meter | | Serial No. 0023183 | | | | | | | | | | | | | | | |
| Mar 11, 2022 | | Leq | | L90 | | Mar 11, 2022 | | Leq | | L90 | | Mar 11, 2022 | | Leq | | L90 | |
| Time | | dB(A) | | dB(A) | | Time | | dB(A) | | dB(A) | | Time | | dB(A) | | dB(A) | |
| 10:00 AM - 10:05 AM | 53.4 | 50.5 | 12:40 PM - 12:45 PM | 55.0 | 47.6 | 03:20 PM - 03:25 PM | 50.9 | 46.1 | 06:00 PM - 06:05 PM | 58.7 | 51.3 | 08:40 PM - 08:45 PM | 53.8 | 49.9 | 11:20 PM - 11:25 PM | 51.2 | 45.9 |
| 10:05 AM - 10:10 AM | 54.4 | 56.5 | 12:45 PM - 12:50 PM | 51.4 | 47.9 | 03:25 PM - 03:30 PM | 51.9 | 46.7 | 06:05 PM - 06:10 PM | 58.7 | 51.3 | 08:45 PM - 08:50 PM | 54.6 | 49.4 | 11:25 PM - 11:30 PM | 52.5 | 45.1 |
| 10:10 AM - 10:15 AM | 52.3 | 47.0 | 12:50 PM - 12:55 PM | 57.0 | 46.8 | 03:30 PM - 03:35 PM | 50.8 | 46.9 | 06:10 PM - 06:15 PM | 56.1 | 51.3 | 08:50 PM - 08:55 PM | 55.7 | 49.1 | 11:30 PM - 11:35 PM | 50.8 | 44.4 |
| 10:15 AM - 10:20 AM | 57.0 | 47.5 | 12:55 PM - 01:00 PM | 53.2 | 50.2 | 03:35 PM - 03:40 PM | 51.7 | 46.7 | 06:15 PM - 06:20 PM | 56.0 | 50.9 | 08:55 PM - 09:00 PM | 51.6 | 47.4 | 11:35 PM - 11:40 PM | 51.2 | 45.8 |
| 10:20 AM - 10:25 AM | 66.0 | 55.3 | 01:00 PM - 01:05 PM | 56.2 | 51.0 | 03:40 PM - 03:45 PM | 51.9 | 47.8 | 06:20 PM - 06:25 PM | 56.8 | 49.9 | 09:00 PM - 09:05 PM | 53.2 | 50.4 | 11:40 PM - 11:45 PM | 57.7 | 43.5 |
| 10:25 AM - 10:30 AM | 55.6 | 52.3 | 01:05 PM - 01:10 PM | 57.0 | 55.4 | 03:45 PM - 03:50 PM | 53.2 | 49.5 | 06:25 PM - 06:30 PM | 64.6 | 61.0 | 09:05 PM - 09:10 PM | 52.4 | 49.2 | 11:45 PM - 11:50 PM | 50.5 | 43.7 |
| 10:30 AM - 10:35 AM | 57.7 | 50.1 | 01:10 PM - 01:15 PM | 60.8 | 57.1 | 03:50 PM - 03:55 PM | 53.3 | 48.0 | 06:30 PM - 06:35 PM | 54.9 | 51.8 | 09:10 PM - 09:15 PM | 52.4 | 49.9 | 11:50 PM - 11:55 PM | 50.5 | 43.7 |
| 10:35 AM - 10:40 AM | 58.2 | 55.2 | 01:15 PM - 01:20 PM | 63.8 | 61.1 | 03:55 PM - 04:00 PM | 53.3 | 48.0 | 06:35 PM - 06:40 PM | 57.8 | 55.4 | 09:15 PM - 09:20 PM | 52.4 | 48.2 | 11:55 PM - 12:00 AM | 54.2 | 44.9 |
| 10:40 AM - 10:45 AM | 56.9 | 55.0 | 01:20 PM - 01:25 PM | 56.6 | 51.9 | 04:00 PM - 04:05 PM | 52.0 | 47.6 | 06:40 PM - 06:45 PM | 54.9 | 51.8 | 09:20 PM - 09:25 PM | 51.9 | 47.6 | 12:00 AM - 12:05 AM | 49.7 | 43.8 |
| 10:45 AM - 10:50 AM | 56.4 | 50.7 | 01:25 PM - 01:30 PM | 54.1 | 51.5 | 04:05 PM - 04:10 PM | 53.8 | 49.2 | 06:45 PM - 06:50 PM | 54.0 | 51.1 | 09:25 PM - 09:30 PM | 54.1 | 49.9 | 12:05 AM - 12:10 AM | 48.7 | 42.1 |
| 10:50 AM - 10:55 AM | 50.1 | 44.3 | 01:30 PM - 01:35 PM | 58.7 | 54.0 | 04:10 PM - 04:15 PM | 52.1 | 48.5 | 06:50 PM - 06:55 PM | 54.5 | 50.1 | 09:30 PM - 09:35 PM | 54.0 | 48.4 | 12:10 AM - 12:15 AM | 48.5 | 43.5 |
| 10:55 AM - 11:00 AM | 50.2 | 45.8 | 01:35 PM - 01:40 PM | 59.0 | 51.5 | 04:15 PM - 04:20 PM | 53.7 | 49.5 | 06:55 PM - 07:00 PM | 56.0 | 52.5 | 09:35 PM - 09:40 PM | 53.7 | 49.4 | 12:15 AM - 12:20 AM | 48.5 | 43.5 |
| 11:00 AM - 11:05 AM | 51.6 | 46.8 | 01:40 PM - 01:45 PM | 51.0 | 47.1 | 04:20 PM - 04:25 PM | 53.5 | 48.7 | 07:00 PM - 07:05 PM | 57.8 | 53.2 | 09:40 PM - 09:45 PM | 55.0 | 48.6 | 12:20 AM - 12:25 AM | 45.8 | 42.9 |
| 11:05 AM - 11:10 AM | 53.6 | 47.8 | 01:45 PM - 01:50 PM | 51.8 | 48.4 | 04:25 PM - 04:30 PM | 54.9 | 51.5 | 07:05 PM - 07:10 PM | 56.2 | 53.8 | 09:45 PM - 09:50 PM | 53.8 | 49.5 | 12:25 AM - 12:30 AM | 46.2 | 43.5 |
| 11:10 AM - 11:15 AM | 55.3 | 51.8 | 01:50 PM - 01:55 PM | 57.2 | 52.5 | 04:30 PM - 04:35 PM | 55.2 | 50.9 | 07:10 PM - 07:15 PM | 56.9 | 52.4 | 09:50 PM - 09:55 PM | 53.3 | 48.8 | 12:30 AM - 12:35 PM | 46.7 | 44.9 |
| 11:15 AM - 11:20 AM | 55.8 | 48.4 | 01:55 PM - 02:00 PM | 58.8 | 50.5 | 04:35 PM - 04:40 PM | 53.8 | 50.4 | 07:15 PM - 07:20 PM | 56.2 | 53.2 | 09:55 PM - 10:00 PM | 53.3 | 48.8 | 12:35 AM - 12:40 AM | 46.7 | 44.9 |
| 11:20 AM - 11:25 AM | 56.7 | 48.9 | 02:00 PM - 02:05 PM | 59.0 | 57.0 | 04:40 PM - 04:45 PM | 52.7 | 49.7 | 07:20 PM - 07:25 PM | 56.9 | 52.4 | 10:00 PM - 10:05 PM | 50.5 | 47.8 | 12:40 AM - 12:45 AM | 46.7 | 43.8 |
| 11:25 AM - 11:30 AM | 52.3 | 48.5 | 02:05 PM - 02:10 PM | 57.7 | 47.7 | 04:45 PM - 04:50 PM | 54.4 | 49.8 | 07:25 PM - 07:30 PM | 57.3 | 50.8 | 10:05 PM - 10:10 PM | 54.6 | 51.3 | 12:45 AM - 12:50 AM | 47.0 | 43.2 |
| 11:30 AM - 11:35 AM | 54.9 | 50.3 | 02:10 PM - 02:15 PM | 51.7 | 46.9 | 04:50 PM - 04:55 PM | 54.4 | 51.3 | 07:30 PM - 07:35 PM | 55.5 | 51.1 | 10:10 PM - 10:15 PM | 51.2 | 47.0 | 12:50 AM - 12:55 AM | 46.6 | 43.7 |
| 11:35 AM - 11:40 AM | 53.7 | 50.4 | 02:15 PM - 02:20 PM | 49.9 | 45.4 | 04:55 PM - 05:00 PM | 53.7 | 50.0 | 07:35 PM - 07:40 PM | 55.5 | 51.1 | 10:15 PM - 10:20 PM | 49.3 | 45.9 | 12:55 AM - 01:00 AM | 49.4 | 42.4 |
| 11:40 AM - 11:45 AM | 55.3 | 53.4 | 02:20 PM - 02:25 PM | 51.3 | 46.0 | 05:00 PM - 05:05 PM | 52.7 | 49.8 | 07:40 PM - 07:45 PM | 54.3 | 51.6 | 10:20 PM - 10:25 PM | 54.7 | 50.9 | 01:00 AM - 01:05 AM | 45.4 | 42.6 |
| 11:45 AM - 11:50 AM | 60.9 | 55.0 | 02:25 PM - 02:30 PM | 50.1 | 45.3 | 05:05 PM - 05:10 PM | 53.1 | 49.2 | 07:45 PM - 07:50 PM | 54.3 | 51.6 | 10:25 PM - 10:30 PM | 50.4 | 45.8 | 01:05 AM - 01:10 AM | 48.3 | 44.8 |
| 11:50 AM - 11:55 AM | 61.0 | 55.6 | 02:30 PM - 02:35 PM | 51.5 | 45.9 | 05:10 PM - 05:15 PM | 54.6 | 50.6 | 07:50 PM - 07:55 PM | 54.1 | 51.8 | 10:30 PM - 10:35 PM | 54.7 | 51.5 | 01:10 AM - 01:15 AM | 46.4 | 43.7 |
| 11:55 AM - 12:00 PM | 54.2 | 50.3 | 02:35 PM - 02:40 PM | 51.6 | 46.7 | 05:15 PM - 05:20 PM | 55.0 | 50.4 | 07:55 PM - 08:00 PM | 54.7 | 50.9 | 10:35 PM - 10:40 PM | 51.7 | 46.0 | 01:15 AM - 01:20 AM | 48.8 | 44.4 |
| 12:00 PM - 12:05 PM | 51.9 | 47.7 | 02:40 PM - 02:45 PM | 51.5 | 46.8 | 05:20 PM - 05:25 PM | 55.9 | 51.3 | 08:00 PM - 08:05 PM | 54.1 | 50.9 | 10:40 PM - 10:45 PM | 51.7 | 46.0 | 01:20 AM - 01:25 AM | 46.8 | 44.4 |
| 12:05 PM - 12:10 PM | 56.7 | 47.6 | 02:45 PM - 02:50 PM | 53.9 | 47.2 | 05:25 PM - 05:30 PM | 54.0 | 49.4 | 08:05 PM - 08:10 PM | 54.3 | 51.6 | 10:45 PM - 10:50 PM | 51.4 | 46.4 | 01:25 AM - 01:30 AM | 45.3 | 42.9 |
| 12:10 PM - 12:15 PM | 53.3 | 48.1 | 02:50 PM - 02:55 PM | 51.2 | 46.7 | 05:30 PM - 05:35 PM | 56.8 | 50.4 | 08:10 PM - 08:15 PM | 54.1 | 50.9 | 10:50 PM - 10:55 PM | 51.4 | 46.4 | 01:30 AM - 01:35 AM | 45.0 | 43.0 |
| 12:15 PM - 12:20 PM | 51.3 | 46.9 | 02:55 PM - 03:00 PM | 54.2 | 51.0 | 05:35 PM - 05:40 PM | 61.2 | 52.6 | 08:15 PM - 08:20 PM | 54.0 | 50.9 | 10:55 PM - 11:00 PM | 51.3 | 46.3 | 01:35 AM - 01:40 AM | 48.6 | 44.8 |
| 12:20 PM - 12:25 PM | 53.8 | 48.5 | 03:00 PM - 03:05 PM | 51.9 | 47.7 | 05:40 PM - 05:45 PM | 57.7 | 50.3 | 08:20 PM - 08:25 PM | 54.3 | 51.6 | 11:00 PM - 11:05 PM | 51.3 | 46.3 | 01:40 AM - 01:45 AM | 48.5 | 44.8 |
| 12:25 PM - 12:30 PM | 52.7 | 47.7 | 03:05 PM - 03:10 PM | 52.9 | 47.5 | 05:45 PM - 05:50 PM | 52.1 | 48.2 | 08:25 PM - 08:30 PM | 54.3 | 51.6 | 11:05 PM - 11:10 PM | 50.3 | 46.0 | 01:45 AM - 01:50 AM | 47.0 | 43.7 |
| 12:30 PM - 12:35 PM | 52.6 | 47.5 | 03:10 PM - 03:15 PM | 50.2 | 45.8 | 05:50 PM - 05:55 PM | 54.0 | 49.4 | 08:30 PM - 08:35 PM | 54.1 | 50.9 | 11:10 PM - 11:15 PM | 50.3 | 46.0 | 01:50 AM - 01:55 AM | 49.4 | 44.3 |
| 12:35 PM - 12:40 PM | 53.2 | 48.9 | 03:15 PM - 03:20 PM | 55.0 | 47.5 | 05:55 PM - 06:00 PM | 59.6 | 51.8 | 08:35 PM - 08:40 PM | 54.1 | 50.9 | 11:15 PM - 11:20 PM | 50.3 | 46.0 | 01:55 AM - 02:00 AM | 47.0 | 43.7 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911-12
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262055-1

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|---------------------|--|------------|--|-------------------------|--|----------|--|---|--|-----------------------|--|-----------------------|--|----------------|--|---------------------|--|-------------------|--|--------------------|--|
| Sample Number | | 2227911-12 | | Noise Level (Leq 5 min) | | Location | | บริเวณถนนหน้าวัด (GPS 47 075531, 1402769) | | Measurement Date | | Mar 11 - Mar 12, 2022 | | Measurement by | | Sirisha Phetwattana | | Sound Level meter | | Serial No. 0023183 | |
| Mar 11, 2022 | | L90 | | Mar 11, 2022 | | Leq | | L90 | | Mar 11 - Mar 12, 2022 | | Leq | | L90 | | | | | | | |
| Time | | dB(A) | | Time | | dB(A) | | Time | | Time | | dB(A) | | dB(A) | | | | | | | |
| 06:00 PM - 06:05 PM | | 59.0 | | 06:40 PM - 06:45 PM | | 53.8 | | 49.9 | | 11:20 PM - 11:25 PM | | 51.2 | | 45.9 | | | | | | | |
| 06:05 PM - 06:10 PM | | 58.7 | | 06:45 PM - 06:50 PM | | 54.6 | | 49.4 | | 11:25 PM - 11:30 PM | | 52.5 | | 45.1 | | | | | | | |
| 06:10 PM - 06:15 PM | | 56.1 | | 06:50 PM - 06:55 PM | | 54.7 | | 49.1 | | 11:30 PM - 11:35 PM | | 50.8 | | 44.4 | | | | | | | |
| 06:15 PM - 06:20 PM | | 56.0 | | 06:55 PM - 07:00 PM | | 51.6 | | 47.4 | | 11:35 PM - 11:40 PM | | 51.2 | | 43.6 | | | | | | | |
| 06:20 PM - 06:25 PM | | 56.8 | | 07:00 PM - 07:05 PM | | 53.2 | | 50.4 | | 11:40 PM - 11:45 PM | | 51.7 | | 43.5 | | | | | | | |
| 06:25 PM - 06:30 PM | | 66.1 | | 07:05 PM - 07:10 PM | | 54.4 | | 50.5 | | 11:45 PM - 11:50 PM | | 47.7 | | 43.4 | | | | | | | |
| 06:30 PM - 06:35 PM | | 64.8 | | 07:10 PM - 07:15 PM | | 54.2 | | 49.2 | | 11:50 PM - 11:55 PM | | 50.5 | | 43.7 | | | | | | | |
| 06:35 PM - 06:40 PM | | 57.8 | | 07:15 PM - 07:20 PM | | 52.4 | | 48.0 | | 11:55 PM - 12:00 AM | | 54.2 | | 46.0 | | | | | | | |
| 06:40 PM - 06:45 PM | | 54.9 | | 07:20 PM - 07:25 PM | | 51.9 | | 47.6 | | 12:00 AM - 12:05 AM | | 49.7 | | 43.5 | | | | | | | |
| 06:45 PM - 06:50 PM | | 54.5 | | 07:25 PM - 07:30 PM | | 51.9 | | 46.8 | | 12:05 AM - 12:10 AM | | 46.7 | | 42.1 | | | | | | | |
| 06:50 PM - 06:55 PM | | 50.4 | | 07:30 PM - 07:35 PM | | 54.1 | | 49.9 | | 12:10 AM - 12:15 AM | | 52.1 | | 43.8 | | | | | | | |
| 06:55 PM - 07:00 PM | | 56.0 | | 07:35 PM - 07:40 PM | | 54.0 | | 48.4 | | 12:15 AM - 12:20 AM | | 48.5 | | 43.5 | | | | | | | |
| 07:00 PM - 07:05 PM | | 57.8 | | 07:40 PM - 07:45 PM | | 53.0 | | 48.5 | | 12:20 AM - 12:25 AM | | 45.8 | | 42.9 | | | | | | | |
| 07:05 PM - 07:10 PM | | 54.8 | | 07:45 PM - 07:50 PM | | 53.7 | | 49.4 | | 12:25 AM - 12:30 AM | | 46.2 | | 43.5 | | | | | | | |
| 07:10 PM - 07:15 PM | | 56.2 | | 07:50 PM - 07:55 PM | | 53.8 | | 49.3 | | 12:30 AM - 12:35 AM | | 49.1 | | 44.4 | | | | | | | |
| 07:15 PM - 07:20 PM | | 52.5 | | 07:55 PM - 08:00 PM | | 53.3 | | 48.3 | | 12:35 AM - 12:40 AM | | 46.7 | | 40.9 | | | | | | | |
| 07:20 PM - 07:25 PM | | 56.9 | | 08:00 PM - 08:05 PM | | 50.5 | | 47.8 | | 12:40 AM - 12:45 AM | | 46.7 | | 43.8 | | | | | | | |
| 07:25 PM - 07:30 PM | | 54.8 | | 08:05 PM - 08:10 PM | | 50.4 | | 47.6 | | 12:45 AM - 12:50 AM | | 47.0 | | 43.3 | | | | | | | |
| 07:30 PM - 07:35 PM | | 53.3 | | 08:10 PM - 08:15 PM | | 51.2 | | 47.0 | | 12:50 AM - 12:55 AM | | 46.6 | | 43.7 | | | | | | | |
| 07:35 PM - 07:40 PM | | 55.5 | | 08:15 PM - 08:20 PM | | 49.3 | | 45.9 | | 12:55 AM - 01:00 AM | | 46.4 | | 42.4 | | | | | | | |
| 07:40 PM - 07:45 PM | | 50.9 | | 08:20 PM - 08:25 PM | | 50.1 | | 46.5 | | 01:00 AM - 01:05 AM | | 45.4 | | 42.6 | | | | | | | |
| 07:45 PM - 07:50 PM | | 57.5 | | 08:25 PM - 08:30 PM | | 50.4 | | 45.8 | | 01:05 AM - 01:10 AM | | 48.3 | | 44.8 | | | | | | | |
| 07:50 PM - 07:55 PM | | 54.7 | | 08:30 PM - 08:35 PM | | 53.7 | | 47.0 | | 01:10 AM - 01:15 AM | | 46.4 | | 43.7 | | | | | | | |
| 07:55 PM - 08:00 PM | | 54.1 | | 08:35 PM - 08:40 PM | | 51.2 | | 47.0 | | 01:15 AM - 01:20 AM | | 48.8 | | 44.4 | | | | | | | |
| 08:00 PM - 08:05 PM | | 54.3 | | 08:40 PM - 08:45 PM | | 51.7 | | 46.9 | | 01:20 AM - 01:25 AM | | 45.3 | | 42.9 | | | | | | | |
| 08:05 PM - 08:10 PM | | 58.5 | | 08:45 PM - 08:50 PM | | 50.4 | | 46.5 | | 01:25 AM - 01:30 AM | | 45.3 | | 42.9 | | | | | | | |
| 08:10 PM - 08:15 PM | | 55.5 | | 08:50 PM - 08:55 PM | | 50.0 | | 45.9 | | 01:30 AM - 01:35 AM | | 48.6 | | 43.1 | | | | | | | |
| 08:15 PM - 08:20 PM | | 54.4 | | 08:55 PM - 09:00 PM | | 53.4 | | 51.1 | | 01:35 AM - 01:40 AM | | 46.9 | | 43.4 | | | | | | | |
| 08:20 PM - 08:25 PM | | 54.1 | | 09:00 PM - 09:05 PM | | 51.5 | | 47.1 | | 01:40 AM - 01:45 AM | | 48.5 | | 44.0 | | | | | | | |
| 08:25 PM - 08:30 PM | | 50.9 | | 09:05 PM - 09:10 PM | | 48.4 | | 45.5 | | 01:45 AM - 01:50 AM | | 49.4 | | 44.3 | | | | | | | |
| 08:30 PM - 08:35 PM | | 55.9 | | 09:10 PM - 09:15 PM | | 51.3 | | 46.3 | | 01:50 AM - 01:55 AM | | 51.0 | | 44.4 | | | | | | | |
| 08:35 PM - 08:40 PM | | 54.1 | | 09:15 PM - 09:20 PM | | 50.3 | | 46.0 | | 01:55 AM - 02:00 AM | | 47.0 | | 43.7 | | | | | | | |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262066-1

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| | | | | | | | | | |
|---------------------|--|-------|---------------------|-------|-------|-----------------------|-------|-------|--|
| Sample Number | 2227911-13 | | | | | | | | |
| Parameter | Noise Level (Leq 5 min) | | | | | | | | |
| Location | สุราษฎร์ธานี-สุราษฎร์ธานี (GPS 47° 07'55.531, 140°27'49) | | | | | | | | |
| Measurement Date | Mar 12 - Mar 13, 2022 | | | | | | | | |
| Measurement by | Satcha Phetsawang | | | | | | | | |
| Sound Level meter | Serial No. 00233183 | | | | | | | | |
| Mar 12, 2022 | Leq | L90 | Mar 12, 2022 | Leq | L90 | Mar 12 - Mar 13, 2022 | Leq | L90 | |
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | |
| 06:00 PM - 06:05 PM | 55.2 | 50.3 | 08:40 PM - 08:45 PM | 52.7 | 48.8 | 11:20 PM - 11:25 PM | 50.5 | 45.4 | |
| 06:05 PM - 06:10 PM | 54.4 | 51.0 | 08:45 PM - 08:50 PM | 55.5 | 49.9 | 11:25 PM - 11:30 PM | 50.6 | 45.1 | |
| 06:10 PM - 06:15 PM | 55.7 | 50.4 | 08:50 PM - 08:55 PM | 52.4 | 49.0 | 11:30 PM - 11:35 PM | 51.8 | 44.8 | |
| 06:15 PM - 06:20 PM | 57.0 | 50.7 | 08:55 PM - 09:00 PM | 51.3 | 47.5 | 11:35 PM - 11:40 PM | 50.2 | 45.0 | |
| 06:20 PM - 06:25 PM | 57.5 | 51.6 | 09:00 PM - 09:05 PM | 51.2 | 46.7 | 11:40 PM - 11:45 PM | 55.1 | 45.1 | |
| 06:25 PM - 06:30 PM | 57.2 | 54.8 | 09:05 PM - 09:10 PM | 51.9 | 47.3 | 11:45 PM - 11:50 PM | 51.1 | 44.0 | |
| 06:30 PM - 06:35 PM | 56.8 | 50.0 | 09:10 PM - 09:15 PM | 55.9 | 46.3 | 11:50 PM - 11:55 PM | 55.1 | 44.1 | |
| 06:35 PM - 06:40 PM | 56.7 | 55.5 | 09:15 PM - 09:20 PM | 52.3 | 46.3 | 11:55 PM - 12:00 AM | 51.5 | 41.5 | |
| 06:40 PM - 06:45 PM | 56.7 | 51.0 | 09:20 PM - 09:25 PM | 51.4 | 47.1 | 12:00 AM - 12:05 AM | 47.5 | 41.9 | |
| 06:45 PM - 06:50 PM | 54.9 | 49.5 | 09:25 PM - 09:30 PM | 51.4 | 47.1 | 12:05 AM - 12:10 AM | 47.7 | 43.0 | |
| 06:50 PM - 06:55 PM | 55.7 | 51.2 | 09:30 PM - 09:35 PM | 50.7 | 46.3 | 12:10 AM - 12:15 AM | 50.5 | 44.8 | |
| 06:55 PM - 07:00 PM | 55.6 | 50.5 | 09:35 PM - 09:40 PM | 52.8 | 46.5 | 12:15 AM - 12:20 AM | 50.6 | 43.0 | |
| 07:00 PM - 07:05 PM | 56.5 | 51.9 | 09:40 PM - 09:45 PM | 52.6 | 46.8 | 12:20 AM - 12:25 AM | 50.5 | 42.7 | |
| 07:05 PM - 07:10 PM | 56.6 | 51.0 | 09:45 PM - 09:50 PM | 50.5 | 46.2 | 12:25 AM - 12:30 AM | 47.1 | 42.0 | |
| 07:10 PM - 07:15 PM | 54.9 | 51.2 | 09:50 PM - 09:55 PM | 50.7 | 45.8 | 12:30 AM - 12:35 AM | 46.5 | 43.0 | |
| 07:15 PM - 07:20 PM | 52.8 | 50.0 | 09:55 PM - 10:00 PM | 55.2 | 46.5 | 12:35 AM - 12:40 AM | 48.5 | 43.0 | |
| 07:20 PM - 07:25 PM | 55.0 | 50.0 | 10:00 PM - 10:05 PM | 52.2 | 46.7 | 12:40 AM - 12:45 AM | 46.4 | 42.7 | |
| 07:25 PM - 07:30 PM | 55.6 | 49.5 | 10:05 PM - 10:10 PM | 51.8 | 46.5 | 12:45 AM - 12:50 AM | 47.2 | 42.9 | |
| 07:30 PM - 07:35 PM | 55.2 | 50.3 | 10:10 PM - 10:15 PM | 55.5 | 45.4 | 12:50 AM - 12:55 AM | 51.1 | 43.5 | |
| 07:35 PM - 07:40 PM | 55.6 | 50.1 | 10:15 PM - 10:20 PM | 51.4 | 45.9 | 12:55 AM - 01:00 AM | 47.0 | 43.3 | |
| 07:40 PM - 07:45 PM | 55.3 | 49.8 | 10:20 PM - 10:25 PM | 49.8 | 46.2 | 01:00 AM - 01:05 AM | 48.9 | 43.3 | |
| 07:45 PM - 07:50 PM | 52.8 | 49.3 | 10:25 PM - 10:30 PM | 51.5 | 48.8 | 01:05 AM - 01:10 AM | 51.7 | 42.9 | |
| 07:50 PM - 07:55 PM | 58.6 | 49.4 | 10:30 PM - 10:35 PM | 48.9 | 44.7 | 01:10 AM - 01:15 AM | 46.5 | 43.5 | |
| 07:55 PM - 08:00 PM | 57.8 | 51.2 | 10:35 PM - 10:40 PM | 48.9 | 44.4 | 01:15 AM - 01:20 AM | 49.7 | 44.8 | |
| 08:00 PM - 08:05 PM | 58.1 | 50.8 | 10:40 PM - 10:45 PM | 48.5 | 44.2 | 01:20 AM - 01:25 AM | 49.7 | 43.7 | |
| 08:05 PM - 08:10 PM | 58.7 | 50.3 | 10:45 PM - 10:50 PM | 51.3 | 45.3 | 01:25 AM - 01:30 AM | 46.2 | 43.0 | |
| 08:10 PM - 08:15 PM | 59.3 | 50.2 | 10:50 PM - 10:55 PM | 52.9 | 45.3 | 01:30 AM - 01:35 AM | 50.4 | 43.0 | |
| 08:15 PM - 08:20 PM | 52.6 | 49.6 | 10:55 PM - 11:00 PM | 50.0 | 44.2 | 01:35 AM - 01:40 AM | 47.7 | 42.4 | |
| 08:20 PM - 08:25 PM | 52.6 | 48.4 | 11:00 PM - 11:05 PM | 48.7 | 45.2 | 01:40 AM - 01:45 AM | 47.5 | 42.1 | |
| 08:25 PM - 08:30 PM | 51.0 | 48.3 | 11:05 PM - 11:10 PM | 53.5 | 45.5 | 01:45 AM - 01:50 AM | 47.1 | 42.7 | |
| 08:30 PM - 08:35 PM | 54.0 | 48.7 | 11:10 PM - 11:15 PM | 49.4 | 45.1 | 01:50 AM - 01:55 AM | 49.5 | 45.9 | |
| 08:35 PM - 08:40 PM | 53.3 | 49.4 | 11:15 PM - 11:20 PM | 50.4 | 46.5 | 01:55 AM - 02:00 AM | 51.3 | 45.0 | |

Approved by

Satcha Phetsawang
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262066-1

Page 2 of 3

| | | | | | | | | | |
|---------------------|--|-------|---------------------|-------|-------|---------------------|-------|-------|--|
| Sample Number | 2227911-13 | | | | | | | | |
| Parameter | Noise Level (Leq 5 min) | | | | | | | | |
| Location | สุราษฎร์ธานี-สุราษฎร์ธานี (GPS 47° 07'55.531, 140°27'49) | | | | | | | | |
| Measurement Date | Mar 12 - Mar 13, 2022 | | | | | | | | |
| Measurement by | Satcha Phetsawang | | | | | | | | |
| Sound Level meter | Serial No. 00233183 | | | | | | | | |
| Mar 13, 2022 | Leq | L90 | Mar 13, 2022 | Leq | L90 | Mar 13, 2022 | Leq | L90 | |
| Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | Time | dB(A) | dB(A) | |
| 02:00 AM - 02:05 AM | 46.6 | 42.5 | 04:40 AM - 04:45 AM | 47.5 | 43.6 | 07:20 AM - 07:25 AM | 53.4 | 49.1 | |
| 02:05 AM - 02:10 AM | 46.6 | 41.7 | 04:45 AM - 04:50 AM | 48.0 | 43.7 | 07:25 AM - 07:30 AM | 53.0 | 50.3 | |
| 02:10 AM - 02:15 AM | 48.4 | 42.1 | 04:50 AM - 04:55 AM | 47.1 | 43.4 | 07:30 AM - 07:35 AM | 53.5 | 50.4 | |
| 02:15 AM - 02:20 AM | 54.3 | 41.5 | 04:55 AM - 05:00 AM | 47.9 | 44.4 | 07:35 AM - 07:40 AM | 54.2 | 49.5 | |
| 02:20 AM - 02:25 AM | 46.9 | 41.7 | 05:00 AM - 05:05 AM | 48.3 | 43.1 | 07:40 AM - 07:45 AM | 52.9 | 49.8 | |
| 02:25 AM - 02:30 AM | 45.3 | 42.5 | 05:05 AM - 05:10 AM | 48.0 | 43.9 | 07:45 AM - 07:50 AM | 53.6 | 50.4 | |
| 02:30 AM - 02:35 AM | 47.2 | 42.3 | 05:10 AM - 05:15 AM | 48.5 | 44.5 | 07:50 AM - 07:55 AM | 53.8 | 45.9 | |
| 02:35 AM - 02:40 AM | 46.0 | 42.7 | 05:15 AM - 05:20 AM | 48.4 | 44.0 | 07:55 AM - 08:00 AM | 57.0 | 49.4 | |
| 02:40 AM - 02:45 AM | 43.8 | 42.5 | 05:20 AM - 05:25 AM | 46.6 | 42.5 | 08:00 AM - 08:05 AM | 53.7 | 49.5 | |
| 02:45 AM - 02:50 AM | 48.8 | 42.8 | 05:25 AM - 05:30 AM | 47.0 | 42.8 | 08:05 AM - 08:10 AM | 54.2 | 50.1 | |
| 02:50 AM - 02:55 AM | 45.9 | 42.8 | 05:30 AM - 05:35 AM | 47.1 | 43.1 | 08:10 AM - 08:15 AM | 51.7 | 51.2 | |
| 02:55 AM - 03:00 AM | 47.3 | 41.9 | 05:35 AM - 05:40 AM | 50.0 | 43.9 | 08:15 AM - 08:20 AM | 52.6 | 46.6 | |
| 03:00 AM - 03:05 AM | 46.8 | 42.5 | 05:40 AM - 05:45 AM | 50.2 | 45.5 | 08:20 AM - 08:25 AM | 50.7 | 46.5 | |
| 03:05 AM - 03:10 AM | 47.2 | 42.2 | 05:45 AM - 05:50 AM | 59.8 | 46.8 | 08:25 AM - 08:30 AM | 52.4 | 47.9 | |
| 03:10 AM - 03:15 AM | 47.3 | 41.9 | 05:50 AM - 05:55 AM | 49.3 | 46.1 | 08:30 AM - 08:35 AM | 52.1 | 48.3 | |
| 03:15 AM - 03:20 AM | 46.7 | 41.8 | 05:55 AM - 06:00 AM | 65.2 | 62.4 | 08:35 AM - 08:40 AM | 51.7 | 48.1 | |
| 03:20 AM - 03:25 AM | 42.9 | 41.0 | 06:00 AM - 06:05 AM | 57.9 | 52.3 | 08:40 AM - 08:45 AM | 51.8 | 47.6 | |
| 03:25 AM - 03:30 AM | 44.7 | 41.4 | 06:05 AM - 06:10 AM | 54.2 | 52.2 | 08:45 AM - 08:50 AM | 52.4 | 46.6 | |
| 03:30 AM - 03:35 AM | 45.7 | 42.8 | 06:10 AM - 06:15 AM | 55.4 | 51.9 | 08:50 AM - 08:55 AM | 55.6 | 47.1 | |
| 03:35 AM - 03:40 AM | 49.6 | 42.5 | 06:15 AM - 06:20 AM | 53.3 | 50.3 | 08:55 AM - 09:00 AM | 52.6 | 49.5 | |
| 03:40 AM - 03:45 AM | 45.6 | 41.6 | 06:20 AM - 06:25 AM | 52.4 | 49.2 | 09:00 AM - 09:05 AM | 52.9 | 52.8 | |
| 03:45 AM - 03:50 AM | 46.5 | 41.7 | 06:25 AM - 06:30 AM | 52.0 | 46.3 | 09:05 AM - 09:10 AM | 52.8 | 50.7 | |
| 03:50 AM - 03:55 AM | 45.2 | 42.2 | 06:30 AM - 06:35 AM | 52.4 | 47.1 | 09:10 AM - 09:15 AM | 53.6 | 51.2 | |
| 03:55 AM - 04:00 AM | 47.6 | 42.2 | 06:35 AM - 06:40 AM | 53.2 | 48.0 | 09:15 AM - 09:20 AM | 56.3 | 48.0 | |
| 04:00 AM - 04:05 AM | 50.3 | 42.8 | 06:40 AM - 06:45 AM | 56.4 | 49.8 | 09:20 AM - 09:25 AM | 51.3 | 47.8 | |
| 04:05 AM - 04:10 AM | 48.6 | 42.1 | 06:45 AM - 06:50 AM | 52.2 | 48.8 | 09:25 AM - 09:30 AM | 52.3 | 45.8 | |
| 04:10 AM - 04:15 AM | 49.2 | 41.9 | 06:50 AM - 06:55 AM | 53.5 | 49.4 | 09:30 AM - 09:35 AM | 52.8 | 49.1 | |
| 04:15 AM - 04:20 AM | 49.1 | 42.2 | 06:55 AM - 07:00 AM | 56.0 | 49.6 | 09:35 AM - 09:40 AM | 52.7 | 50.1 | |
| 04:20 AM - 04:25 AM | 50.9 | 43.8 | 07:00 AM - 07:05 AM | 55.5 | 50.5 | 09:40 AM - 09:45 AM | 51.6 | 49.8 | |
| 04:25 AM - 04:30 AM | 46.7 | 41.6 | 07:05 AM - 07:10 AM | 53.6 | 50.1 | 09:45 AM - 09:50 AM | 54.8 | 50.6 | |
| 04:30 AM - 04:35 AM | 46.4 | 43.1 | 07:10 AM - 07:15 AM | 51.5 | 48.9 | 09:50 AM - 09:55 AM | 51.9 | 46.3 | |
| 04:35 AM - 04:40 AM | 46.4 | 43.1 | 07:15 AM - 07:20 AM | 52.5 | 49.6 | 09:55 AM - 10:00 AM | 52.2 | 48.2 | |

Approved by

Satcha Phetsawang
Assistant General Manager



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262066-1

Page 2 of 3

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|-------------------|--|--|--|--|--|--|--|--|
| Sample Number | 2227911-13 | | | | | | | |
| Parameter | Noise Level (Leq 5 min) | | | | | | | |
| Location | สุราษฎร์ธานี-สุราษฎร์ธานี (GPS 47° 07'55.531, 140°27'49) | | | | | | | |
| Measurement Date | Mar 12 - Mar 13, 2022 | | | | | | | |
| Measurement by | Satcha Phetsawang | | | | | | | |
| Sound Level meter | Serial No. 00233183 | | | | | | | |
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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262067-1

P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Sample Number : 2227911-14
Parameter : Noise Level (Leq 5 min)
Location : Substation-511515 (GPS 47P 0735531, 1402769)
Measurement Date : Mar 13 - Mar 14, 2022
Measurement by : Sattha Phetsawang
Sound Level meter : Serial No. 00233183

Page 2 of 2

| Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) |
|---------------------|--------------|--------------|---------------------|--------------|--------------|---------------------|--------------|--------------|
| 02:00 AM - 02:05 AM | 45.9 | 44.0 | 04:40 AM - 04:45 AM | 46.5 | 44.1 | 07:20 AM - 07:25 AM | 54.9 | 50.3 |
| 02:05 AM - 02:10 AM | 45.4 | 43.9 | 04:45 AM - 04:50 AM | 48.9 | 43.9 | 07:25 AM - 07:30 AM | 53.1 | 49.2 |
| 02:10 AM - 02:15 AM | 47.3 | 44.3 | 04:50 AM - 04:55 AM | 48.5 | 43.9 | 07:30 AM - 07:35 AM | 54.4 | 52.0 |
| 02:15 AM - 02:20 AM | 52.5 | 50.9 | 04:55 AM - 05:00 AM | 47.9 | 44.1 | 07:35 AM - 07:40 AM | 53.5 | 48.1 |
| 02:20 AM - 02:25 AM | 54.0 | 52.9 | 05:00 AM - 05:05 AM | 48.6 | 44.7 | 07:40 AM - 07:45 AM | 54.0 | 47.6 |
| 02:25 AM - 02:30 AM | 50.8 | 48.9 | 05:05 AM - 05:10 AM | 49.2 | 44.7 | 07:45 AM - 07:50 AM | 53.6 | 48.0 |
| 02:30 AM - 02:35 AM | 48.6 | 42.9 | 05:10 AM - 05:15 AM | 51.6 | 45.2 | 07:50 AM - 07:55 AM | 53.6 | 49.6 |
| 02:35 AM - 02:40 AM | 45.2 | 42.1 | 05:15 AM - 05:20 AM | 49.0 | 44.9 | 07:55 AM - 08:00 AM | 53.2 | 50.5 |
| 02:40 AM - 02:45 AM | 46.6 | 44.3 | 05:20 AM - 05:25 AM | 48.1 | 44.7 | 08:00 AM - 08:05 AM | 53.7 | 50.3 |
| 02:45 AM - 02:50 AM | 45.8 | 44.1 | 05:25 AM - 05:30 AM | 48.6 | 44.2 | 08:05 AM - 08:10 AM | 53.7 | 51.8 |
| 02:50 AM - 02:55 AM | 49.0 | 43.9 | 05:30 AM - 05:35 AM | 49.5 | 44.7 | 08:10 AM - 08:15 AM | 53.5 | 50.8 |
| 02:55 AM - 03:00 AM | 45.4 | 43.9 | 05:35 AM - 05:40 AM | 50.1 | 46.7 | 08:15 AM - 08:20 AM | 53.6 | 50.6 |
| 03:00 AM - 03:05 AM | 45.7 | 43.9 | 05:40 AM - 05:45 AM | 52.1 | 46.4 | 08:20 AM - 08:25 AM | 54.8 | 48.3 |
| 03:05 AM - 03:10 AM | 46.2 | 44.1 | 05:45 AM - 05:50 AM | 54.5 | 49.0 | 08:25 AM - 08:30 AM | 51.9 | 46.6 |
| 03:10 AM - 03:15 AM | 44.8 | 43.2 | 05:50 AM - 05:55 AM | 63.8 | 62.2 | 08:30 AM - 08:35 AM | 51.9 | 48.9 |
| 03:15 AM - 03:20 AM | 46.3 | 41.7 | 05:55 AM - 06:00 AM | 69.4 | 61.6 | 08:35 AM - 08:40 AM | 54.0 | 49.3 |
| 03:20 AM - 03:25 AM | 46.1 | 42.2 | 06:00 AM - 06:05 AM | 63.9 | 51.6 | 08:40 AM - 08:45 AM | 53.5 | 50.3 |
| 03:25 AM - 03:30 AM | 46.3 | 42.3 | 06:05 AM - 06:10 AM | 53.4 | 51.3 | 08:45 AM - 08:50 AM | 53.6 | 50.4 |
| 03:30 AM - 03:35 AM | 45.6 | 42.9 | 06:10 AM - 06:15 AM | 54.6 | 50.8 | 08:50 AM - 08:55 AM | 51.7 | 46.0 |
| 03:35 AM - 03:40 AM | 49.1 | 42.4 | 06:15 AM - 06:20 AM | 53.3 | 50.9 | 08:55 AM - 09:00 AM | 51.0 | 45.6 |
| 03:40 AM - 03:45 AM | 46.3 | 42.7 | 06:20 AM - 06:25 AM | 54.2 | 50.8 | 09:00 AM - 09:05 AM | 51.5 | 44.3 |
| 03:45 AM - 03:50 AM | 45.1 | 42.7 | 06:25 AM - 06:30 AM | 54.7 | 51.4 | 09:05 AM - 09:10 AM | 53.2 | 47.7 |
| 03:50 AM - 03:55 AM | 47.7 | 43.0 | 06:30 AM - 06:35 AM | 53.8 | 50.0 | 09:10 AM - 09:15 AM | 50.5 | 43.6 |
| 03:55 AM - 04:00 AM | 52.3 | 43.4 | 06:35 AM - 06:40 AM | 56.2 | 50.1 | 09:15 AM - 09:20 AM | 53.2 | 47.2 |
| 04:00 AM - 04:05 AM | 44.7 | 42.2 | 06:40 AM - 06:45 AM | 55.9 | 50.4 | 09:20 AM - 09:25 AM | 50.9 | 45.7 |
| 04:05 AM - 04:10 AM | 44.6 | 42.2 | 06:45 AM - 06:50 AM | 53.5 | 50.0 | 09:25 AM - 09:30 AM | 50.2 | 45.8 |
| 04:10 AM - 04:15 AM | 49.4 | 44.0 | 06:50 AM - 06:55 AM | 52.1 | 48.8 | 09:30 AM - 09:35 AM | 50.9 | 45.8 |
| 04:15 AM - 04:20 AM | 48.8 | 44.0 | 06:55 AM - 07:00 AM | 54.5 | 48.2 | 09:35 AM - 09:40 AM | 51.2 | 45.9 |
| 04:20 AM - 04:25 AM | 48.2 | 43.3 | 07:00 AM - 07:05 AM | 54.4 | 48.2 | 09:40 AM - 09:45 AM | 49.2 | 44.1 |
| 04:25 AM - 04:30 AM | 46.4 | 43.2 | 07:05 AM - 07:10 AM | 53.0 | 47.4 | 09:45 AM - 09:50 AM | 49.7 | 44.9 |
| 04:30 AM - 04:35 AM | 47.8 | 43.3 | 07:10 AM - 07:15 AM | 53.7 | 49.6 | 09:50 AM - 09:55 AM | 51.5 | 44.4 |
| 04:35 AM - 04:40 AM | 45.7 | 43.2 | 07:15 AM - 07:20 AM | 56.1 | 50.8 | 09:55 AM - 10:00 AM | 50.9 | 44.9 |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150

Lot ID: 2227911
Date Received : Mar 15, 2022
Date Reported : Mar 17, 2022
Report Number : 2262067-1

P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Sample Number : 2227911-14
Parameter : Noise Level (Leq 5 min)
Location : Substation-511515 (GPS 47P 0735531, 1402769)
Measurement Date : Mar 13 - Mar 14, 2022
Measurement by : Sattha Phetsawang
Sound Level meter : Serial No. 00233183

Page 2 of 2

| Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) | Time | Leq dB(A) | L90 dB(A) |
|---------------------|--------------|--------------|---------------------|--------------|--------------|---------------------|--------------|--------------|
| 10:00 AM - 10:05 AM | 51.1 | 44.8 | 12:40 PM - 12:45 PM | 52.2 | 47.2 | 03:20 PM - 03:25 PM | 50.8 | 46.3 |
| 10:05 AM - 10:10 AM | 48.4 | 42.9 | 12:45 PM - 12:50 PM | 52.4 | 46.5 | 03:25 PM - 03:30 PM | 52.5 | 48.6 |
| 10:10 AM - 10:15 AM | 49.2 | 44.7 | 12:50 PM - 12:55 PM | 52.0 | 46.4 | 03:30 PM - 03:35 PM | 52.0 | 48.7 |
| 10:15 AM - 10:20 AM | 51.6 | 44.6 | 12:55 PM - 01:00 PM | 53.6 | 48.0 | 03:35 PM - 03:40 PM | 53.3 | 47.4 |
| 10:20 AM - 10:25 AM | 52.0 | 45.7 | 01:00 PM - 01:05 PM | 51.8 | 47.3 | 03:40 PM - 03:45 PM | 56.9 | 47.5 |
| 10:25 AM - 10:30 AM | 54.7 | 45.7 | 01:05 PM - 01:10 PM | 56.2 | 50.3 | 03:45 PM - 03:50 PM | 54.0 | 51.6 |
| 10:30 AM - 10:35 AM | 49.7 | 45.3 | 01:10 PM - 01:15 PM | 52.0 | 45.8 | 03:50 PM - 03:55 PM | 51.2 | 48.3 |
| 10:35 AM - 10:40 AM | 49.0 | 45.2 | 01:15 PM - 01:20 PM | 51.3 | 46.4 | 03:55 PM - 04:00 PM | 53.8 | 45.1 |
| 10:40 AM - 10:45 AM | 50.3 | 45.8 | 01:20 PM - 01:25 PM | 52.6 | 49.2 | 04:00 PM - 04:05 PM | 52.8 | 48.7 |
| 10:45 AM - 10:50 AM | 50.8 | 46.6 | 01:25 PM - 01:30 PM | 53.8 | 51.0 | 04:05 PM - 04:10 PM | 51.8 | 47.6 |
| 10:50 AM - 10:55 AM | 52.2 | 46.6 | 01:30 PM - 01:35 PM | 51.6 | 46.9 | 04:10 PM - 04:15 PM | 52.6 | 47.7 |
| 10:55 AM - 11:00 AM | 52.5 | 48.7 | 01:35 PM - 01:40 PM | 50.5 | 46.1 | 04:15 PM - 04:20 PM | 51.4 | 45.9 |
| 11:00 AM - 11:05 AM | 55.6 | 53.5 | 01:40 PM - 01:45 PM | 51.6 | 46.5 | 04:20 PM - 04:25 PM | 52.1 | 48.0 |
| 11:05 AM - 11:10 AM | 56.7 | 54.0 | 01:45 PM - 01:50 PM | 50.5 | 46.5 | 04:25 PM - 04:30 PM | 56.1 | 48.3 |
| 11:10 AM - 11:15 AM | 54.6 | 51.6 | 01:50 PM - 01:55 PM | 52.2 | 46.1 | 04:30 PM - 04:35 PM | 53.9 | 47.7 |
| 11:15 AM - 11:20 AM | 51.9 | 48.9 | 01:55 PM - 02:00 PM | 55.2 | 46.5 | 04:35 PM - 04:40 PM | 56.0 | 48.2 |
| 11:20 AM - 11:25 AM | 51.9 | 48.2 | 02:00 PM - 02:05 PM | 52.1 | 45.3 | 04:40 PM - 04:45 PM | 52.0 | 48.6 |
| 11:25 AM - 11:30 AM | 52.6 | 48.3 | 02:05 PM - 02:10 PM | 52.7 | 45.6 | 04:45 PM - 04:50 PM | 52.7 | 48.2 |
| 11:30 AM - 11:35 AM | 50.7 | 45.9 | 02:10 PM - 02:15 PM | 52.7 | 44.2 | 04:50 PM - 04:55 PM | 52.8 | 47.2 |
| 11:35 AM - 11:40 AM | 51.7 | 47.3 | 02:15 PM - 02:20 PM | 51.6 | 44.7 | 04:55 PM - 05:00 PM | 51.1 | 50.1 |
| 11:40 AM - 11:45 AM | 54.1 | 49.2 | 02:20 PM - 02:25 PM | 51.7 | 44.3 | 05:00 PM - 05:05 PM | 53.4 | 48.8 |
| 11:45 AM - 11:50 AM | 55.7 | 50.8 | 02:25 PM - 02:30 PM | 49.5 | 41.3 | 05:05 PM - 05:10 PM | 53.6 | 48.8 |
| 11:50 AM - 11:55 AM | 56.3 | 51.8 | 02:30 PM - 02:35 PM | 51.4 | 43.6 | 05:10 PM - 05:15 PM | 54.6 | 48.1 |
| 11:55 AM - 12:00 PM | 52.4 | 49.9 | 02:35 PM - 02:40 PM | 50.7 | 44.7 | 05:15 PM - 05:20 PM | 54.7 | 48.4 |
| 12:00 PM - 12:05 PM | 56.5 | 53.2 | 02:40 PM - 02:45 PM | 52.4 | 48.3 | 05:20 PM - 05:25 PM | 51.5 | 49.7 |
| 12:05 PM - 12:10 PM | 56.7 | 54.3 | 02:45 PM - 02:50 PM | 56.7 | 55.0 | 05:25 PM - 05:30 PM | 57.4 | 56.3 |
| 12:10 PM - 12:15 PM | 63.6 | 53.3 | 02:50 PM - 02:55 PM | 57.8 | 55.5 | 05:30 PM - 05:35 PM | 57.4 | 50.3 |
| 12:15 PM - 12:20 PM | 55.8 | 52.0 | 02:55 PM - 03:00 PM | 56.2 | 57.6 | 05:35 PM - 05:40 PM | 56.7 | 52.2 |
| 12:20 PM - 12:25 PM | 55.2 | 53.3 | 03:00 PM - 03:05 PM | 52.4 | 47.6 | 05:40 PM - 05:45 PM | 56.0 | 51.3 |
| 12:25 PM - 12:30 PM | 52.0 | 48.5 | 03:05 PM - 03:10 PM | 53.2 | 45.1 | 05:45 PM - 05:50 PM | 55.1 | 50.8 |
| 12:30 PM - 12:35 PM | 54.9 | 47.7 | 03:10 PM - 03:15 PM | 51.6 | 45.3 | 05:50 PM - 05:55 PM | 54.1 | 51.0 |
| 12:35 PM - 12:40 PM | 52.6 | 47.4 | 03:15 PM - 03:20 PM | 57.0 | 45.9 | 05:55 PM - 06:00 PM | 54.5 | 51.0 |

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Approved by

Saranyth Jetrarot
Assistant General Manager

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Approved by

Saranyth Jetrarot
Assistant General Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number : 2262419-1

P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Sample Number : 2227905-1
Parameter : Noise (Leq 24 hrs.)
Location : Substation-511515 (GPS 47P 0734090, 1404555)
Measurement Date : Mar 07 - Mar 08, 2022
Measurement by : Sattha Phetsawang
Sound Level meter : Serial No. 734221

Page 1 of 1

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 11:00 AM - 11:05 PM | 65.0 | 85.6 | 64.1 |
| 11:05 PM - 01:00 PM | 64.5 | 72.3 | 63.9 |
| 01:00 PM - 02:00 PM | 65.0 | 77.2 | 64.1 |
| 02:00 PM - 03:00 PM | 65.3 | 75.9 | 64.5 |
| 03:00 PM - 04:00 PM | 64.6 | 72.5 | 64.0 |
| 04:00 PM - 05:00 PM | 65.0 | 70.9 | 64.3 |
| 05:00 PM - 06:00 PM | 64.7 | 72.9 | 64.1 |
| 06:00 PM - 07:00 PM | 65.3 | 70.2 | 64.7 |
| 07:00 PM - 08:00 PM | 65.0 | 76.0 | 64.3 |
| 08:00 PM - 09:00 PM | 65.5 | 76.1 | 64.6 |
| 09:00 PM - 10:00 PM | 65.3 | 69.1 | 64.5 |
| 10:00 PM - 11:00 PM | 64.7 | 70.3 | 64.1 |
| 11:00 PM - 12:00 AM | 64.1 | 76.9 | 63.4 |
| 12:00 AM - 01:00 AM | 64.3 | 70.3 | 63.6 |
| 01:00 AM - 02:00 AM | 64.3 | 58.9 | 63.7 |
| 02:00 AM - 03:00 AM | 64.2 | 72.0 | 64.3 |
| 03:00 AM - 04:00 AM | 64.4 | 67.6 | 63.8 |
| 04:00 AM - 05:00 AM | 64.5 | 68.8 | 63.8 |
| 05:00 AM - 06:00 AM | 64.7 | 67.1 | 64.1 |
| 06:00 AM - 07:00 AM | 64.5 | 71.9 | 63.8 |
| 07:00 AM - 08:00 AM | 65.1 | 74.7 | 64.2 |
| 08:00 AM - 09:00 AM | 65.0 | 70.5 | 64.2 |
| 09:00 AM - 10:00 AM | 65.2 | 76.2 | 64.4 |
| 10:00 AM - 11:00 AM | 64.8 | 83.8 | 63.9 |
| Leq Average 24 hrs. (dB(A)) | 64.8 | | |
| Lmax (dB(A)) | | 85.6 | |
| L90 (dB(A)) | | | 64.1 |
| L95 (dB(A)) | 71.0 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

Standard : 1. มาตรฐานการวัดและประเมินค่าเสียงตามอาคาร (ม.ร.ว. 2540) (มาตรฐานการวัดและประเมินค่าเสียงตามอาคาร)
2. มาตรฐานการวัดและประเมินค่าเสียงตามอาคาร (ม.ร.ว. 2540) (มาตรฐานการวัดและประเมินค่าเสียงตามอาคาร)
โดย ม.ร.ว. 2540

Technical Management

Thanitak
Thanitak Kulsurwong
Scientist (V)

Approved by

Supt Saranah
Supt Saranah
Section Head

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Huang, Rayong Thailand 21150

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number : 2262419-1

P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Sample Number : 2227905-2
Parameter : Noise (Leq 24 hrs.)
Location : Substation-511515 (GPS 47P 0734090, 1404555)
Measurement Date : Mar 08 - Mar 09, 2022
Measurement by : Sattha Phetsawang
Sound Level meter : Serial No. 734221

Page 1 of 1

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 64.5 | 70.8 | 63.8 |
| 12:00 PM - 01:00 PM | 64.7 | 71.4 | 64.0 |
| 01:00 PM - 02:00 PM | 65.5 | 72.2 | 64.5 |
| 02:00 PM - 03:00 PM | 64.6 | 75.3 | 64.0 |



Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262420-1

Page 1 of 1

Sample Number : 2227905-3
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณพื้นที่พักอาศัยชุมชน (GPS 47P 0734090, 1404555)
Measurement Date : Mar 09 - Mar 10, 2022
Measurement by : Sattha Phatsavong
Sound Level meter : Serial No. 734221

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 64.3 | 69.4 | 63.7 |
| 12:00 PM - 01:00 PM | 65.5 | 78.8 | 64.5 |
| 01:00 PM - 02:00 PM | 65.0 | 76.2 | 64.0 |
| 02:00 PM - 03:00 PM | 65.6 | 95.6 | 64.4 |
| 03:00 PM - 04:00 PM | 64.7 | 74.9 | 64.1 |
| 04:00 PM - 05:00 PM | 64.3 | 76.1 | 63.7 |
| 05:00 PM - 06:00 PM | 64.3 | 68.4 | 63.7 |
| 06:00 PM - 07:00 PM | 64.6 | 70.8 | 63.8 |
| 07:00 PM - 08:00 PM | 64.0 | 66.8 | 63.4 |
| 08:00 PM - 09:00 PM | 64.4 | 73.6 | 63.7 |
| 09:00 PM - 10:00 PM | 64.3 | 72.0 | 63.7 |
| 10:00 PM - 11:00 PM | 64.4 | 67.6 | 63.5 |
| 11:00 PM - 12:00 AM | 64.2 | 70.0 | 63.6 |
| 12:00 AM - 01:00 AM | 65.1 | 75.1 | 64.3 |
| 01:00 AM - 02:00 AM | 64.9 | 77.4 | 64.2 |
| 02:00 AM - 03:00 AM | 64.7 | 78.1 | 64.1 |
| 03:00 AM - 04:00 AM | 64.6 | 75.8 | 63.9 |
| 04:00 AM - 05:00 AM | 64.0 | 68.8 | 63.3 |
| 05:00 AM - 06:00 AM | 64.0 | 67.3 | 63.4 |
| 06:00 AM - 07:00 AM | 64.4 | 67.5 | 63.8 |
| 07:00 AM - 08:00 AM | 65.3 | 79.0 | 64.5 |
| 08:00 AM - 09:00 AM | 65.4 | 79.6 | 64.4 |
| 09:00 AM - 10:00 AM | 64.9 | 80.9 | 64.1 |
| 10:00 AM - 11:00 AM | 64.6 | 72.7 | 63.8 |

Leq Average 24 hrs. (dB(A)) : 64.7
Lmax (dB(A)) : 95.6
L90 (dB(A)) : 63.8
Ldn (dB(A)) : 71.0
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ใช้มาตรฐานการวัดและประเมินผลตามข้อกำหนด 15 (พ.ร.บ. 2540) ที่กำหนดมาตรฐานการวัดและประเมินผล
2. ใช้มาตรฐานการวัดและประเมินผลตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์
โดย พ.ร.บ. 2548

Technical Management

Thanitak

Approved by

Supt S

Thanita Kulswong
Scientist (4)Supt Salanth
Section Head

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S:\Report\Air Noise rpt (3.40PM)



Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262422-1

Page 1 of 1

Sample Number : 2227905-5
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณพื้นที่พักอาศัยชุมชน (GPS 47P 0734090, 1404555)
Measurement Date : Mar 11 - Mar 12, 2022
Measurement by : Sattha Phatsavong
Sound Level meter : Serial No. 734221

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 65.2 | 70.4 | 64.1 |
| 12:00 PM - 01:00 PM | 65.2 | 71.9 | 64.2 |
| 01:00 PM - 02:00 PM | 65.4 | 71.4 | 64.3 |
| 02:00 PM - 03:00 PM | 64.7 | 71.2 | 64.0 |
| 03:00 PM - 04:00 PM | 64.5 | 72.7 | 63.6 |
| 04:00 PM - 05:00 PM | 64.9 | 74.3 | 64.2 |
| 05:00 PM - 06:00 PM | 65.1 | 72.3 | 64.2 |
| 06:00 PM - 07:00 PM | 64.4 | 71.8 | 63.8 |
| 07:00 PM - 08:00 PM | 64.3 | 70.1 | 63.7 |
| 08:00 PM - 09:00 PM | 64.2 | 70.2 | 63.5 |
| 09:00 PM - 10:00 PM | 64.1 | 71.3 | 63.5 |
| 10:00 PM - 11:00 PM | 64.4 | 69.9 | 63.7 |
| 11:00 PM - 12:00 AM | 64.7 | 71.8 | 63.8 |
| 12:00 AM - 01:00 AM | 65.4 | 70.7 | 64.3 |
| 01:00 AM - 02:00 AM | 65.5 | 73.8 | 64.3 |
| 02:00 AM - 03:00 AM | 64.8 | 70.9 | 64.1 |
| 03:00 AM - 04:00 AM | 64.4 | 71.4 | 63.8 |
| 04:00 AM - 05:00 AM | 64.4 | 68.3 | 63.8 |
| 05:00 AM - 06:00 AM | 65.1 | 72.7 | 64.4 |
| 06:00 AM - 07:00 AM | 64.7 | 71.3 | 64.0 |
| 07:00 AM - 08:00 AM | 64.9 | 71.6 | 64.1 |
| 08:00 AM - 09:00 AM | 65.8 | 71.3 | 64.7 |
| 09:00 AM - 10:00 AM | 64.6 | 75.3 | 63.3 |
| 10:00 AM - 11:00 AM | 63.9 | 70.5 | 63.1 |

Leq Average 24 hrs. (dB(A)) : 64.8
Lmax (dB(A)) : 75.3
L90 (dB(A)) : 64.0
Ldn (dB(A)) : 71.2
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ใช้มาตรฐานการวัดและประเมินผลตามข้อกำหนด 15 (พ.ร.บ. 2540) ที่กำหนดมาตรฐานการวัดและประเมินผล
2. ใช้มาตรฐานการวัดและประเมินผลตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์
โดย พ.ร.บ. 2548

Technical Management

Thanitak

Approved by

Supt S

Thanita Kulswong
Scientist (4)Supt Salanth
Section Head

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S:\Report\Air Noise rpt (3.40PM)



Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262421-1

Page 1 of 1

Sample Number : 2227905-4
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณพื้นที่พักอาศัยชุมชน (GPS 47P 0734090, 1404555)
Measurement Date : Mar 10 - Mar 11, 2022
Measurement by : Sattha Phatsavong
Sound Level meter : Serial No. 734221

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 11:00 AM - 12:00 PM | 64.1 | 75.8 | 63.5 |
| 12:00 PM - 01:00 PM | 65.7 | 75.6 | 64.4 |
| 01:00 PM - 02:00 PM | 65.9 | 75.8 | 64.7 |
| 02:00 PM - 03:00 PM | 65.2 | 78.4 | 64.3 |
| 03:00 PM - 04:00 PM | 64.8 | 69.5 | 64.1 |
| 04:00 PM - 05:00 PM | 64.9 | 69.7 | 64.2 |
| 05:00 PM - 06:00 PM | 64.3 | 70.2 | 63.8 |
| 06:00 PM - 07:00 PM | 64.5 | 68.4 | 63.8 |
| 07:00 PM - 08:00 PM | 64.6 | 73.9 | 63.6 |
| 08:00 PM - 09:00 PM | 64.2 | 67.9 | 63.5 |
| 09:00 PM - 10:00 PM | 64.5 | 70.6 | 63.6 |
| 10:00 PM - 11:00 PM | 63.0 | 74.5 | 64.1 |
| 11:00 PM - 12:00 AM | 64.4 | 69.6 | 63.7 |
| 12:00 AM - 01:00 AM | 64.5 | 71.7 | 63.8 |
| 01:00 AM - 02:00 AM | 65.5 | 71.1 | 64.4 |
| 02:00 AM - 03:00 AM | 64.6 | 74.2 | 63.3 |
| 03:00 AM - 04:00 AM | 64.7 | 70.9 | 63.9 |
| 04:00 AM - 05:00 AM | 65.3 | 71.6 | 64.2 |
| 05:00 AM - 06:00 AM | 65.0 | 73.2 | 64.1 |
| 06:00 AM - 07:00 AM | 64.6 | 68.0 | 63.9 |
| 07:00 AM - 08:00 AM | 64.9 | 71.7 | 64.1 |
| 08:00 AM - 09:00 AM | 64.2 | 70.0 | 63.5 |
| 09:00 AM - 10:00 AM | 64.5 | 77.0 | 63.6 |
| 10:00 AM - 11:00 AM | 64.3 | 75.1 | 63.5 |

Leq Average 24 hrs. (dB(A)) : 64.8
Lmax (dB(A)) : 78.4
L90 (dB(A)) : 63.8
Ldn (dB(A)) : 71.2
Standard (dB(A)) : 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ใช้มาตรฐานการวัดและประเมินผลตามข้อกำหนด 15 (พ.ร.บ. 2540) ที่กำหนดมาตรฐานการวัดและประเมินผล
2. ใช้มาตรฐานการวัดและประเมินผลตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์
โดย พ.ร.บ. 2548

Technical Management

Thanitak

Approved by

Supt S

Thanita Kulswong
Scientist (4)Supt Salanth
Section Head

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S:\Report\Air Noise rpt (3.40PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262421-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 2227905-7 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | บริเวณพื้นที่อุตสาหกรรม (GPS 47P 0734090, 1404555) | | |
| Measurement Date | Mar 13 - Mar 14, 2022 | | |
| Measurement by | Satcha Phetsawang | | |
| Sound Level meter | Serial No. 734221 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 11:00 AM - 12:00 PM | 64.9 | 70.3 | 64.0 |
| 12:00 PM - 01:00 PM | 65.7 | 76.5 | 64.7 |
| 01:00 PM - 02:00 PM | 65.7 | 72.6 | 64.6 |
| 02:00 PM - 03:00 PM | 65.4 | 71.1 | 64.4 |
| 03:00 PM - 04:00 PM | 64.4 | 71.1 | 63.3 |
| 04:00 PM - 05:00 PM | 64.0 | 69.4 | 63.1 |
| 05:00 PM - 06:00 PM | 65.7 | 72.5 | 64.3 |
| 06:00 PM - 07:00 PM | 65.3 | 69.4 | 64.1 |
| 07:00 PM - 08:00 PM | 64.1 | 72.2 | 63.3 |
| 08:00 PM - 09:00 PM | 65.3 | 70.1 | 64.3 |
| 09:00 PM - 10:00 PM | 65.3 | 69.6 | 64.4 |
| 10:00 PM - 11:00 PM | 65.1 | 69.1 | 64.1 |
| 11:00 PM - 12:00 AM | 65.1 | 74.5 | 64.2 |
| 12:00 AM - 01:00 AM | 64.9 | 73.2 | 63.8 |
| 01:00 AM - 02:00 AM | 65.1 | 71.5 | 64.2 |
| 02:00 AM - 03:00 AM | 64.4 | 67.5 | 63.6 |
| 03:00 AM - 04:00 AM | 64.6 | 70.4 | 63.7 |
| 04:00 AM - 05:00 AM | 64.8 | 70.7 | 63.8 |
| 05:00 AM - 06:00 AM | 64.5 | 67.8 | 63.6 |
| 06:00 AM - 07:00 AM | 64.3 | 67.8 | 63.3 |
| 07:00 AM - 08:00 AM | 64.3 | 66.8 | 63.2 |
| 08:00 AM - 09:00 AM | 64.8 | 70.0 | 63.8 |
| 09:00 AM - 10:00 AM | 65.2 | 79.2 | 64.0 |
| 10:00 AM - 11:00 AM | 65.4 | 79.7 | 63.9 |
| Leq Average 24 hrs. (dB(A)) | 65.0 | | |
| Lmax (dB(A)) | | 79.7 | |
| L90 (dB(A)) | | | 63.9 |
| Ldn (dB(A)) | 71.2 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ (พ.ศ. 2540) สำหรับพื้นที่อุตสาหกรรม
2. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ (พ.ศ. 2540) สำหรับพื้นที่ชุมชน

Technical Management

Thanitak.

Approved by

Supt S

Thanita Kulthong
Scientist (E)

Supt Salmeh
Section Head

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4989-1321/THAIL

S. Vajiraporn, Air Noise rpt (3.41PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262421-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 2227905-9 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | บริเวณพื้นที่อุตสาหกรรม (GPS 47P 0735018, 1405845) | | |
| Measurement Date | Mar 08 - Mar 09, 2022 | | |
| Measurement by | Satcha Phetsawang | | |
| Sound Level meter | Serial No. 233184 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 12:00 PM - 01:00 PM | 51.9 | 70.9 | 46.7 |
| 01:00 PM - 02:00 PM | 51.4 | 72.8 | 48.4 |
| 02:00 PM - 03:00 PM | 52.5 | 69.7 | 48.5 |
| 03:00 PM - 04:00 PM | 53.1 | 77.2 | 48.7 |
| 04:00 PM - 05:00 PM | 60.5 | 73.2 | 54.4 |
| 05:00 PM - 06:00 PM | 60.0 | 68.2 | 46.9 |
| 06:00 PM - 07:00 PM | 49.1 | 68.8 | 46.5 |
| 07:00 PM - 08:00 PM | 52.8 | 75.5 | 46.4 |
| 08:00 PM - 09:00 PM | 47.2 | 60.9 | 45.8 |
| 09:00 PM - 10:00 PM | 47.2 | 67.9 | 45.0 |
| 10:00 PM - 11:00 PM | 46.9 | 71.4 | 43.9 |
| 11:00 PM - 12:00 AM | 46.6 | 63.7 | 45.4 |
| 12:00 AM - 01:00 AM | 49.4 | 66.3 | 45.5 |
| 01:00 AM - 02:00 AM | 46.2 | 64.0 | 44.7 |
| 02:00 AM - 03:00 AM | 46.1 | 63.7 | 44.7 |
| 03:00 AM - 04:00 AM | 48.9 | 60.5 | 47.8 |
| 04:00 AM - 05:00 AM | 60.4 | 78.0 | 55.3 |
| 05:00 AM - 06:00 AM | 52.1 | 66.1 | 49.9 |
| 06:00 AM - 07:00 AM | 54.3 | 72.6 | 48.8 |
| 07:00 AM - 08:00 AM | 58.1 | 76.5 | 50.5 |
| 08:00 AM - 09:00 AM | 54.4 | 84.8 | 50.0 |
| 09:00 AM - 10:00 AM | 51.2 | 71.0 | 48.4 |
| 10:00 AM - 11:00 AM | 51.7 | 68.8 | 48.3 |
| 11:00 AM - 12:00 PM | 52.3 | 78.3 | 48.0 |
| Leq Average 24 hrs. (dB(A)) | 53.7 | | |
| Lmax (dB(A)) | | 84.8 | |
| L90 (dB(A)) | | | 47.8 |
| Ldn (dB(A)) | 59.7 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ (พ.ศ. 2540) สำหรับพื้นที่อุตสาหกรรม
2. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ (พ.ศ. 2540) สำหรับพื้นที่ชุมชน

Technical Management

Thanitak.

Approved by

Supt S

Thanita Kulthong
Scientist (E)

Supt Salmeh
Section Head

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4989-1321/THAIL

S. Vajiraporn, Air Noise rpt (3.41PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262421-1

Page 1 of 1

| Sample Number | 2227905-8 | | |
|-----------------------------|--|--------------|-------------|
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | บริเวณพื้นที่อุตสาหกรรม (GPS 47P 0735018, 1405845) | | |
| Measurement Date | Mar 07 - Mar 08, 2022 | | |
| Measurement by | Satcha Phetsawang | | |
| Sound Level meter | Serial No. 233184 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 12:00 PM - 01:00 PM | 55.6 | 78.8 | 51.3 |
| 01:00 PM - 02:00 PM | 54.9 | 76.3 | 50.5 |
| 02:00 PM - 03:00 PM | 52.5 | 68.0 | 50.5 |
| 03:00 PM - 04:00 PM | 53.1 | 73.0 | 51.0 |
| 04:00 PM - 05:00 PM | 61.5 | 71.3 | 59.5 |
| 05:00 PM - 06:00 PM | 53.9 | 67.8 | 50.1 |
| 06:00 PM - 07:00 PM | 51.1 | 67.6 | 49.5 |
| 07:00 PM - 08:00 PM | 53.2 | 75.9 | 50.6 |
| 08:00 PM - 09:00 PM | 58.0 | 67.3 | 55.8 |
| 09:00 PM - 10:00 PM | 50.6 | 65.4 | 50.0 |
| 10:00 PM - 11:00 PM | 62.0 | 71.8 | 59.3 |
| 11:00 PM - 12:00 AM | 63.3 | 71.8 | 61.1 |
| 12:00 AM - 01:00 AM | 58.5 | 65.1 | 57.5 |
| 01:00 AM - 02:00 AM | 63.9 | 68.1 | 63.2 |
| 02:00 AM - 03:00 AM | 51.1 | 66.0 | 52.3 |
| 03:00 AM - 04:00 AM | 50.4 | 66.2 | 49.3 |
| 04:00 AM - 05:00 AM | 59.5 | 70.2 | 54.9 |
| 05:00 AM - 06:00 AM | 53.5 | 70.0 | 51.0 |
| 06:00 AM - 07:00 AM | 54.7 | 72.0 | 50.5 |
| 07:00 AM - 08:00 AM | 59.3 | 74.8 | 52.0 |
| 08:00 AM - 09:00 AM | 57.0 | 71.8 | 51.5 |
| 09:00 AM - 10:00 AM | 51.1 | 68.5 | 48.6 |
| 10:00 AM - 11:00 AM | 51.0 | 67.4 | 48.0 |
| 11:00 AM - 12:00 PM | 50.0 | 73.7 | 47.1 |
| Leq Average 24 hrs. (dB(A)) | 57.7 | | |
| Lmax (dB(A)) | | 78.8 | |
| L90 (dB(A)) | | | 51.0 |
| Ldn (dB(A)) | 65.8 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ (พ.ศ. 2540) สำหรับพื้นที่อุตสาหกรรม
2. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ (พ.ศ. 2540) สำหรับพื้นที่ชุมชน

Technical Management

Thanitak.

Approved by

Supt S

Thanita Kulthong
Scientist (E)

Supt Salmeh
Section Head

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S. Vajiraporn, Air Noise rpt (3.41PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262421-1

Page 1 of 1

| | | | |
|-----------------------------|---------------------------------------|--------------|-------------|
| Sample Number | 2227905-10 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | พื้นที่ถนน (GPS 47P 0735018, 1405845) | | |
| Measurement Date | Mar 09 - Mar 10, 2022 | | |
| Measurement by | Satcha Phetsawang | | |
| Sound Level meter | Serial No. 233184 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 12:00 PM - 01:00 PM | 51.5 | 72.6 | 47.6 |
| 01:00 PM - 02:00 PM | 52.4 | 70.8 | 48.1 |
| 02:00 PM - 03:00 PM | 52.2 | 73.4 | 48.0 |
| 03:00 PM - 04:00 PM | 52.8 | 75.8 | 48.8 |
| 04:00 PM - 05:00 PM | 60.9 | 79.0 | 58.2 |
| 05:00 PM - 06:00 PM | 54.5 | 74.9 | 49.7 |
| 06:00 PM - 07:00 PM | 49.3 | 64.3 | 47.3 |
| 07:00 PM - 08:00 PM | 53.3 | 77.1 | 46.9 |
| 08:00 PM - 09:00 PM | 46.5 | 68.1 | 46.9 |
| 09:00 PM - 10:00 PM | 46.7 | 60.8 | 47.7 |
| 10:00 PM - 11:00 PM | 57.7 | 69.9 | 54.2 |
| 11:00 PM - 12:00 AM | 46.2 | 64.0 | 44.4 |
| 12:00 AM - 01:00 AM | 45.4 | 58.6 | 44.2 |
| 01:00 AM - 02:00 AM | 45.6 | 62.7 | 44.3 |
| 02:00 AM - 03:00 AM | 46.1 | 61.9 | 44.4 |
| 03:00 AM - 04:00 AM | 47.2 | 68.0 | 45.3 |
| 04:00 AM - 05:00 AM | 59.0 | 77.9 | 54.2 |
| 05:00 AM - 06:00 AM | 52.9 | 69.7 | 49.7 |
| 06:00 AM - 07:00 AM | 52.2 | 56.5 | 48.4 |
| 07:00 AM - 08:00 AM | 52.7 | 78.5 | 48.1 |
| 08:00 AM - 09:00 AM | 54.6 | 83.4 | 48.4 |
| 09:00 AM - 10:00 AM | 56.3 | 78.9 | 48.7 |
| 10:00 AM - 11:00 AM | 52.0 | 68.9 | 49.3 |
| 11:00 AM - 12:00 PM | 54.7 | 75.5 | 50.1 |
| Leq Average 24 hrs. (dB(A)) | 53.9 | | |
| Lmax (dB(A)) | | 83.4 | |
| L90 (dB(A)) | | | 48.1 |
| Ldn (dB(A)) | 59.9 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ (พ.ศ. 2540) สำหรับพื้นที่อุตสาหกรรม
2. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ (พ.ศ. 2540) สำหรับพื้นที่ชุมชน

Technical Management

Thanitak.

Approved by

Supt S

Thanita Kulthong
Scientist (E)

Supt Salmeh
Section Head

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4989-1321/THAIL

S. Vajiraporn, Air Noise rpt (3.41PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 15, 2022
Report Number: 2252428-1

Page 1 of 1

| | |
|-------------------|---------------------------------------|
| Sample Number | 2227905-11 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | ถนนวิภาวดี (GPS 47P 0735038, 1405843) |
| Measurement Date | Mar 10 - Mar 11, 2022 |
| Measurement by | Satcha Phatsavong |
| Sound Level meter | Serial No. 233184 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 12:00 PM - 01:00 PM | 56.8 | 75.5 | 49.9 |
| 01:00 PM - 02:00 PM | 59.2 | 75.3 | 50.4 |
| 02:00 PM - 03:00 PM | 55.9 | 77.0 | 48.9 |
| 03:00 PM - 04:00 PM | 54.3 | 77.8 | 49.7 |
| 04:00 PM - 05:00 PM | 62.1 | 78.1 | 57.2 |
| 05:00 PM - 06:00 PM | 58.5 | 70.4 | 53.6 |
| 06:00 PM - 07:00 PM | 55.2 | 72.0 | 47.7 |
| 07:00 PM - 08:00 PM | 49.3 | 70.4 | 46.4 |
| 08:00 PM - 09:00 PM | 49.5 | 69.4 | 45.0 |
| 09:00 PM - 10:00 PM | 46.3 | 68.2 | 44.2 |
| 10:00 PM - 11:00 PM | 50.1 | 60.1 | 47.7 |
| 11:00 PM - 12:00 AM | 45.4 | 64.6 | 42.9 |
| 12:00 AM - 01:00 AM | 44.7 | 60.1 | 42.8 |
| 01:00 AM - 02:00 AM | 54.5 | 69.8 | 51.3 |
| 02:00 AM - 03:00 AM | 49.3 | 66.3 | 47.2 |
| 03:00 AM - 04:00 AM | 47.0 | 58.5 | 44.9 |
| 04:00 AM - 05:00 AM | 52.4 | 74.9 | 54.6 |
| 05:00 AM - 06:00 AM | 52.8 | 69.5 | 49.7 |
| 06:00 AM - 07:00 AM | 54.4 | 77.9 | 50.2 |
| 07:00 AM - 08:00 AM | 54.1 | 74.7 | 52.0 |
| 08:00 AM - 09:00 AM | 50.9 | 71.1 | 47.0 |
| 09:00 AM - 10:00 AM | 53.1 | 69.8 | 50.9 |
| 10:00 AM - 11:00 AM | 54.0 | 69.3 | 52.1 |
| 11:00 AM - 12:00 PM | 52.6 | 73.7 | 50.7 |
| Leq Average 24 hrs. (dB(A)) | 55.1 | | |
| Lmax (dB(A)) | | 75.1 | |
| L90 (dB(A)) | | | 49.7 |
| Ldn (dB(A)) | 60.2 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ปริมาณการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ร.บ. 2540) เพื่อการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง
2. ปริมาณการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ร.บ. 2540) เพื่อการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง
โดย พ.ร.บ. 2540

Technical Management

Thanitak

Approved by

Supt S

Thanita Kulthong
Scientist (4)

Supt Salameh
Section Head

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4989-122/EN/AL

S:\Reports\Air Noise rpt (3.41PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 15, 2022
Report Number: 2252430-1

Page 1 of 1

| | |
|-------------------|---------------------------------------|
| Sample Number | 2227905-13 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | ถนนวิภาวดี (GPS 47P 0735038, 1405843) |
| Measurement Date | Mar 12 - Mar 13, 2022 |
| Measurement by | Satcha Phatsavong |
| Sound Level meter | Serial No. 233184 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 12:00 PM - 01:00 PM | 56.2 | 72.7 | 52.1 |
| 01:00 PM - 02:00 PM | 53.5 | 70.5 | 50.9 |
| 02:00 PM - 03:00 PM | 54.2 | 69.3 | 51.5 |
| 03:00 PM - 04:00 PM | 53.9 | 73.5 | 52.0 |
| 04:00 PM - 05:00 PM | 58.4 | 75.6 | 56.1 |
| 05:00 PM - 06:00 PM | 56.9 | 72.5 | 54.3 |
| 06:00 PM - 07:00 PM | 52.8 | 71.2 | 50.7 |
| 07:00 PM - 08:00 PM | 51.7 | 69.5 | 49.7 |
| 08:00 PM - 09:00 PM | 54.0 | 69.2 | 51.2 |
| 09:00 PM - 10:00 PM | 51.3 | 73.5 | 49.1 |
| 10:00 PM - 11:00 PM | 50.7 | 70.4 | 49.1 |
| 11:00 PM - 12:00 AM | 52.8 | 76.5 | 49.5 |
| 12:00 AM - 01:00 AM | 50.0 | 65.4 | 48.8 |
| 01:00 AM - 02:00 AM | 51.4 | 72.7 | 48.8 |
| 02:00 AM - 03:00 AM | 49.9 | 63.0 | 48.8 |
| 03:00 AM - 04:00 AM | 50.5 | 70.7 | 49.3 |
| 04:00 AM - 05:00 AM | 57.7 | 69.1 | 55.4 |
| 05:00 AM - 06:00 AM | 54.5 | 81.4 | 50.8 |
| 06:00 AM - 07:00 AM | 51.8 | 65.1 | 49.9 |
| 07:00 AM - 08:00 AM | 52.1 | 69.9 | 50.0 |
| 08:00 AM - 09:00 AM | 53.0 | 76.7 | 50.6 |
| 09:00 AM - 10:00 AM | 51.9 | 65.9 | 50.0 |
| 10:00 AM - 11:00 AM | 55.4 | 66.8 | 52.0 |
| 11:00 AM - 12:00 PM | 52.3 | 67.0 | 50.3 |
| Leq Average 24 hrs. (dB(A)) | 53.9 | | |
| Lmax (dB(A)) | | 81.4 | |
| L90 (dB(A)) | | | 50.3 |
| Ldn (dB(A)) | 59.6 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ปริมาณการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ร.บ. 2540) เพื่อการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง
2. ปริมาณการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ร.บ. 2540) เพื่อการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง
โดย พ.ร.บ. 2540

Technical Management

Thanitak

Approved by

Supt S

Thanita Kulthong
Scientist (4)

Supt Salameh
Section Head

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RIGHT SOLUTIONS. RIGHT PARTNER

4989-122/EN/AL

S:\Reports\Air Noise rpt (3.41PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 15, 2022
Report Number: 2252429-1

Page 1 of 1

| | |
|-------------------|---------------------------------------|
| Sample Number | 2227905-12 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | ถนนวิภาวดี (GPS 47P 0735038, 1405843) |
| Measurement Date | Mar 11 - Mar 12, 2022 |
| Measurement by | Satcha Phatsavong |
| Sound Level meter | Serial No. 233184 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 12:00 PM - 01:00 PM | 52.7 | 67.9 | 50.6 |
| 01:00 PM - 02:00 PM | 53.3 | 72.6 | 51.3 |
| 02:00 PM - 03:00 PM | 54.8 | 74.0 | 52.2 |
| 03:00 PM - 04:00 PM | 54.8 | 67.1 | 53.2 |
| 04:00 PM - 05:00 PM | 59.6 | 77.3 | 57.1 |
| 05:00 PM - 06:00 PM | 57.9 | 76.1 | 55.5 |
| 06:00 PM - 07:00 PM | 53.3 | 69.6 | 51.4 |
| 07:00 PM - 08:00 PM | 52.1 | 66.3 | 50.8 |
| 08:00 PM - 09:00 PM | 52.4 | 65.5 | 50.9 |
| 09:00 PM - 10:00 PM | 52.2 | 68.4 | 50.0 |
| 10:00 PM - 11:00 PM | 51.2 | 66.5 | 50.1 |
| 11:00 PM - 12:00 AM | 50.9 | 59.0 | 46.8 |
| 12:00 AM - 01:00 AM | 55.6 | 64.0 | 53.4 |
| 01:00 AM - 02:00 AM | 50.9 | 59.9 | 49.4 |
| 02:00 AM - 03:00 AM | 51.2 | 74.6 | 49.1 |
| 03:00 AM - 04:00 AM | 55.4 | 59.6 | 49.7 |
| 04:00 AM - 05:00 AM | 60.1 | 71.6 | 52.9 |
| 05:00 AM - 06:00 AM | 53.6 | 68.2 | 51.4 |
| 06:00 AM - 07:00 AM | 54.5 | 71.7 | 51.2 |
| 07:00 AM - 08:00 AM | 53.9 | 72.1 | 51.0 |
| 08:00 AM - 09:00 AM | 55.4 | 71.8 | 51.3 |
| 09:00 AM - 10:00 AM | 55.0 | 71.5 | 51.0 |
| 10:00 AM - 11:00 AM | 53.6 | 71.1 | 50.9 |
| 11:00 AM - 12:00 PM | 57.4 | 71.5 | 51.4 |
| Leq Average 24 hrs. (dB(A)) | 54.9 | | |
| Lmax (dB(A)) | | 77.3 | |
| L90 (dB(A)) | | | 51.0 |
| Ldn (dB(A)) | 61.0 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ปริมาณการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ร.บ. 2540) เพื่อการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง
2. ปริมาณการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ร.บ. 2540) เพื่อการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง
โดย พ.ร.บ. 2540

Technical Management

Thanitak

Approved by

Supt S

Thanita Kulthong
Scientist (4)

Supt Salameh
Section Head

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4989-122/EN/AL

S:\Reports\Air Noise rpt (3.41PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 15, 2022
Report Number: 2252431-1

Page 1 of 1

| | |
|-------------------|---------------------------------------|
| Sample Number | 2227905-14 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | ถนนวิภาวดี (GPS 47P 0735038, 1405843) |
| Measurement Date | Mar 13 - Mar 14, 2022 |
| Measurement by | Satcha Phatsavong |
| Sound Level meter | Serial No. 233184 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|-----------------------------|-------------|--------------|-------------|
| 12:00 PM - 01:00 PM | 52.0 | 72.3 | 50.1 |
| 01:00 PM - 02:00 PM | 53.2 | 71.1 | 50.9 |
| 02:00 PM - 03:00 PM | 53.7 | 70.3 | 51.7 |
| 03:00 PM - 04:00 PM | 54.0 | 69.4 | 51.5 |
| 04:00 PM - 05:00 PM | 60.3 | 74.3 | 58.4 |
| 05:00 PM - 06:00 PM | 55.0 | 72.5 | 54.9 |
| 06:00 PM - 07:00 PM | 51.6 | 63.4 | 50.4 |
| 07:00 PM - 08:00 PM | 51.3 | 68.9 | 46.6 |
| 08:00 PM - 09:00 PM | 54.0 | 66.1 | 50.8 |
| 09:00 PM - 10:00 PM | 51.5 | 72.5 | 49.5 |
| 10:00 PM - 11:00 PM | 50.5 | 63.0 | 49.4 |
| 11:00 PM - 12:00 AM | 58.5 | 67.4 | 55.0 |
| 12:00 AM - 01:00 AM | 52.3 | 61.1 | 46.5 |
| 01:00 AM - 02:00 AM | 54.2 | 66.3 | 49.8 |
| 02:00 AM - 03:00 AM | 53.1 | 62.1 | 49.9 |
| 03:00 AM - 04:00 AM | 51.9 | 67.3 | 49.8 |
| 04:00 AM - 05:00 AM | 60.3 | 70.5 | 57.7 |
| 05:00 AM - 06:00 AM | 53.9 | 77.5 | 51.6 |
| 06:00 AM - 07:00 AM | 54.2 | 73.5 | 51.3 |
| 07:00 AM - 08:00 AM | 53.4 | 72.2 | 50.2 |
| 08:00 AM - 09:00 AM | 52.3 | 67.5 | 50.4 |
| 09:00 AM - 10:00 AM | 52.4 | 69.7 | 50.4 |
| 10:00 AM - 11:00 AM | 52.4 | 66.1 | 49.1 |
| 11:00 AM - 12:00 PM | 51.7 | 68.3 | 45.2 |
| Leq Average 24 hrs. (dB(A)) | 54.6 | | |
| Lmax (dB(A)) | | 77.5 | |
| L90 (dB(A)) | | | 50.3 |
| Ldn (dB(A)) | 61.6 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ปริมาณการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ร.บ. 2540) เพื่อการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง
2. ปริมาณการปล่อยเสียงจากแหล่งกำเนิดเสียง 15 (พ.ร.บ. 2540) เพื่อการควบคุมการปล่อยเสียงจากแหล่งกำเนิดเสียง
โดย พ.ร.บ. 2540

Technical Management

Thanitak

Approved by

Supt S

Thanita Kulthong
Scientist (4)

Supt Salameh
Section Head

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4989-122/EN/AL

S:\Reports\Air Noise rpt (3.41PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262433-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 2227905-15 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | จุดตรวจวัดเสียง (GPS 47P 0735531, 1402769) | | |
| Measurement Date | Mar 07 - Mar 08, 2022 | | |
| Measurement by | Sattha Phatsawang | | |
| Sound Level meter | Serial No. 233183 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 06:00 PM - 07:00 PM | 59.4 | 89.0 | 54.6 |
| 07:00 PM - 08:00 PM | 54.5 | 74.0 | 50.8 |
| 08:00 PM - 09:00 PM | 54.1 | 79.9 | 49.1 |
| 09:00 PM - 10:00 PM | 51.1 | 73.0 | 46.9 |
| 10:00 PM - 11:00 PM | 53.1 | 74.8 | 45.4 |
| 11:00 PM - 12:00 AM | 54.1 | 75.2 | 50.2 |
| 12:00 AM - 01:00 AM | 53.7 | 74.2 | 50.4 |
| 01:00 AM - 02:00 AM | 51.6 | 66.5 | 48.8 |
| 02:00 AM - 03:00 AM | 53.6 | 65.1 | 52.0 |
| 03:00 AM - 04:00 AM | 48.9 | 64.5 | 46.2 |
| 04:00 AM - 05:00 AM | 48.6 | 65.5 | 41.2 |
| 05:00 AM - 06:00 AM | 53.9 | 72.1 | 47.3 |
| 06:00 AM - 07:00 AM | 57.2 | 75.8 | 53.7 |
| 07:00 AM - 08:00 AM | 55.3 | 75.2 | 49.9 |
| 08:00 AM - 09:00 AM | 54.8 | 73.1 | 52.7 |
| 09:00 AM - 10:00 AM | 53.6 | 74.7 | 50.5 |
| 10:00 AM - 11:00 AM | 52.8 | 66.6 | 50.1 |
| 11:00 AM - 12:00 PM | 51.3 | 69.5 | 46.9 |
| 12:00 PM - 01:00 PM | 53.1 | 73.2 | 45.4 |
| 01:00 PM - 02:00 PM | 53.9 | 73.9 | 50.0 |
| 02:00 PM - 03:00 PM | 53.7 | 68.2 | 47.8 |
| 03:00 PM - 04:00 PM | 54.2 | 74.1 | 47.9 |
| 04:00 PM - 05:00 PM | 55.5 | 77.9 | 50.5 |
| 05:00 PM - 06:00 PM | 54.9 | 82.8 | 50.2 |
| Leq Average 24 hrs. (dB(A)) | 54.2 | | |
| Lmax (dB(A)) | | 89.0 | |
| L90 (dB(A)) | | | 49.9 |
| Ldn (dB(A)) | 60.0 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ใช้วิธีคำนวณหาผลรวมค่าเฉลี่ยถ่วงน้ำหนัก 15 (น.ก. 2546) สำหรับค่าการรบกวนเสียง
2. ใช้วิธีคำนวณหาผลรวมค่าการรบกวนเสียงตามมาตรฐาน และใช้วิธีคำนวณหาผลรวมค่าการรบกวนเสียงตาม น.ก. 2546

Technical Management

Thanitak.

Approved by

Supot S.

Thanita Kulswong
Scientist (4)

Supot Salantath
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

499-122 (THAI)

3 Vapors/Air Noise rpt (3.47PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262433-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 2227905-17 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | จุดตรวจวัดเสียง (GPS 47P 0735531, 1402769) | | |
| Measurement Date | Mar 09 - Mar 10, 2022 | | |
| Measurement by | Sattha Phatsawang | | |
| Sound Level meter | Serial No. 233183 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 06:00 PM - 07:00 PM | 56.9 | 79.4 | 58.4 |
| 07:00 PM - 08:00 PM | 54.5 | 75.7 | 50.8 |
| 08:00 PM - 09:00 PM | 54.4 | 77.8 | 50.3 |
| 09:00 PM - 10:00 PM | 55.3 | 76.7 | 48.0 |
| 10:00 PM - 11:00 PM | 51.5 | 76.7 | 46.1 |
| 11:00 PM - 12:00 AM | 50.5 | 73.0 | 45.6 |
| 12:00 AM - 01:00 AM | 54.0 | 73.1 | 49.8 |
| 01:00 AM - 02:00 AM | 49.1 | 72.0 | 44.9 |
| 02:00 AM - 03:00 AM | 54.7 | 73.4 | 51.7 |
| 03:00 AM - 04:00 AM | 50.6 | 73.8 | 42.7 |
| 04:00 AM - 05:00 AM | 49.3 | 69.0 | 43.6 |
| 05:00 AM - 06:00 AM | 50.6 | 70.5 | 45.7 |
| 06:00 AM - 07:00 AM | 56.8 | 74.8 | 54.0 |
| 07:00 AM - 08:00 AM | 55.2 | 77.5 | 53.3 |
| 08:00 AM - 09:00 AM | 53.1 | 68.3 | 49.3 |
| 09:00 AM - 10:00 AM | 55.0 | 77.0 | 49.6 |
| 10:00 AM - 11:00 AM | 53.3 | 78.1 | 48.2 |
| 11:00 AM - 12:00 PM | 59.1 | 72.9 | 52.9 |
| 12:00 PM - 01:00 PM | 54.0 | 70.1 | 49.1 |
| 01:00 PM - 02:00 PM | 59.7 | 83.5 | 58.7 |
| 02:00 PM - 03:00 PM | 52.1 | 66.0 | 48.1 |
| 03:00 PM - 04:00 PM | 51.7 | 71.3 | 47.4 |
| 04:00 PM - 05:00 PM | 53.6 | 74.1 | 48.9 |
| 05:00 PM - 06:00 PM | 54.6 | 77.6 | 49.7 |
| Leq Average 24 hrs. (dB(A)) | 55.1 | | |
| Lmax (dB(A)) | | 83.6 | |
| L90 (dB(A)) | | | 49.1 |
| Ldn (dB(A)) | 59.6 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ใช้วิธีคำนวณหาผลรวมค่าเฉลี่ยถ่วงน้ำหนัก 15 (น.ก. 2546) สำหรับค่าการรบกวนเสียง
2. ใช้วิธีคำนวณหาผลรวมค่าการรบกวนเสียงตามมาตรฐาน และใช้วิธีคำนวณหาผลรวมค่าการรบกวนเสียงตาม น.ก. 2546

Technical Management

Thanitak.

Approved by

Supot S.

Thanita Kulswong
Scientist (4)

Supot Salantath
Section Head

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RIGHT SOLUTIONS RIGHT PARTNER

499-122 (THAI)

3 Vapors/Air Noise rpt (3.47PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262433-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 2227905-16 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | จุดตรวจวัดเสียง (GPS 47P 0735531, 1402769) | | |
| Measurement Date | Mar 08 - Mar 09, 2022 | | |
| Measurement by | Sattha Phatsawang | | |
| Sound Level meter | Serial No. 233183 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 06:00 PM - 07:00 PM | 54.0 | 73.8 | 54.5 |
| 07:00 PM - 08:00 PM | 55.0 | 72.8 | 51.3 |
| 08:00 PM - 09:00 PM | 55.2 | 80.1 | 50.4 |
| 09:00 PM - 10:00 PM | 51.4 | 72.2 | 47.6 |
| 10:00 PM - 11:00 PM | 49.8 | 74.2 | 42.6 |
| 11:00 PM - 12:00 AM | 49.2 | 74.1 | 43.2 |
| 12:00 AM - 01:00 AM | 49.1 | 74.1 | 42.6 |
| 01:00 AM - 02:00 AM | 47.1 | 70.4 | 41.6 |
| 02:00 AM - 03:00 AM | 49.9 | 68.8 | 43.1 |
| 03:00 AM - 04:00 AM | 58.0 | 68.9 | 49.8 |
| 04:00 AM - 05:00 AM | 52.1 | 65.9 | 46.7 |
| 05:00 AM - 06:00 AM | 58.6 | 70.7 | 56.0 |
| 06:00 AM - 07:00 AM | 57.2 | 72.8 | 53.0 |
| 07:00 AM - 08:00 AM | 55.1 | 79.2 | 51.6 |
| 08:00 AM - 09:00 AM | 53.5 | 70.7 | 49.8 |
| 09:00 AM - 10:00 AM | 52.7 | 74.3 | 46.4 |
| 10:00 AM - 11:00 AM | 57.4 | 77.2 | 53.3 |
| 11:00 AM - 12:00 PM | 57.6 | 71.9 | 52.6 |
| 12:00 PM - 01:00 PM | 57.2 | 60.0 | 52.0 |
| 01:00 PM - 02:00 PM | 51.5 | 70.1 | 46.5 |
| 02:00 PM - 03:00 PM | 52.9 | 68.7 | 49.2 |
| 03:00 PM - 04:00 PM | 56.1 | 74.5 | 52.2 |
| 04:00 PM - 05:00 PM | 54.3 | 75.8 | 49.3 |
| 05:00 PM - 06:00 PM | 56.0 | 80.8 | 51.0 |
| Leq Average 24 hrs. (dB(A)) | 54.8 | | |
| Lmax (dB(A)) | | 80.8 | |
| L90 (dB(A)) | | | 49.8 |
| Ldn (dB(A)) | 60.3 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ใช้วิธีคำนวณหาผลรวมค่าเฉลี่ยถ่วงน้ำหนัก 15 (น.ก. 2546) สำหรับค่าการรบกวนเสียง
2. ใช้วิธีคำนวณหาผลรวมค่าการรบกวนเสียงตามมาตรฐาน และใช้วิธีคำนวณหาผลรวมค่าการรบกวนเสียงตาม น.ก. 2546

Technical Management

Thanitak.

Approved by

Supot S.

Thanita Kulswong
Scientist (4)

Supot Salantath
Section Head

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RIGHT SOLUTIONS RIGHT PARTNER

499-122 (THAI)

3 Vapors/Air Noise rpt (3.47PM)



Analysis / Test Report



TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262433-1

Page 1 of 1

| | | | |
|-----------------------------|--|--------------|-------------|
| Sample Number | 2227905-18 | | |
| Parameter | Noise (Leq 24 hrs.) | | |
| Location | จุดตรวจวัดเสียง (GPS 47P 0735531, 1402769) | | |
| Measurement Date | Mar 10 - Mar 11, 2022 | | |
| Measurement by | Sattha Phatsawang | | |
| Sound Level meter | Serial No. 233183 | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 06:00 PM - 07:00 PM | 61.1 | 72.9 | 58.6 |
| 07:00 PM - 08:00 PM | 54.7 | 76.7 | 50.7 |
| 08:00 PM - 09:00 PM | 53.7 | 70.9 | 49.6 |
| 09:00 PM - 10:00 PM | 52.9 | 78.4 | 46.9 |
| 10:00 PM - 11:00 PM | 50.5 | 76.6 | 45.5 |
| 11:00 PM - 12:00 AM | 50.1 | 75.5 | 43.0 |
| 12:00 AM - 01:00 AM | 59.0 | 74.7 | 55.3 |
| 01:00 AM - 02:00 AM | 46.4 | 68.1 | 42.1 |
| 02:00 AM - 03:00 AM | 45.8 | 68.5 | 42.1 |
| 03:00 AM - 04:00 AM | 47.6 | 72.9 | 42.8 |
| 04:00 AM - 05:00 AM | 46.9 | 62.4 | 43.5 |
| 05:00 AM - 06:00 AM | 59.8 | 71.7 | 55.1 |
| 06:00 AM - 07:00 AM | 56.5 | 72.0 | 52.5 |
| 07:00 AM - 08:00 AM | 55.7 | 77.3 | 52.5 |
| 08:00 AM - 09:00 AM | 54.8 | 78.9 | 51.4 |
| 09:00 AM - 10:00 AM | 51.4 | 68.5 | 46.6 |
| 10:00 AM - 11:00 AM | 55.8 | 69.8 | 50.9 |
| 11:00 AM - 12:00 PM | 56.2 | 72.8 | 51.4 |
| 12:00 PM - 01:00 PM | 52.9 | 74.1 | 47.9 |
| 01:00 PM - 02:00 PM | 58.2 | 67.0 | 54.5 |
| 02:00 PM - 03:00 PM | 53.9 | 63.3 | 49.5 |
| 03:00 PM - 04:00 PM | 52.2 | 78.2 | 47.4 |
| 04:00 PM - 05:00 PM | 53.5 | 70.0 | 49.9 |
| 05:00 PM - 06:00 PM | 57.0 | 74.3 | 50.5 |
| Leq Average 24 hrs. (dB(A)) | 55.3 | | |
| Lmax (dB(A)) | | 83.3 | |
| L90 (dB(A)) | | | 49.6 |
| Ldn (dB(A)) | 61.2 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ใช้วิธีคำนวณหาผลรวมค่าเฉลี่ยถ่วงน้ำหนัก 15 (น.ก. 2546) สำหรับค่าการรบกวนเสียง
2. ใช้วิธีคำนวณหาผลรวมค่าการรบกวนเสียงตามมาตรฐาน และใช้วิธีคำนวณหาผลรวมค่าการรบกวนเสียงตาม น.ก. 2546

Technical Management

Thanitak.

Approved by

Supot S.

Thanita Kulswong
Scientist (4)

Supot Salantath
Section Head

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499-122 (THAI)

3 Vapors/Air Noise rpt (3.47PM)



Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262436-1

Page 1 of 1

Sample Number : 2227905-19
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณทางเข้า/ออก (GPS 47P 0735531, 1402769)
Measurement Date : Mar 11 - Mar 12, 2022
Measurement by : Sattha Phetsavong
Sound Level meter : Serial No. 233183

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 06:00 PM - 07:00 PM | 59.9 | 74.9 | 55.9 |
| 07:00 PM - 08:00 PM | 55.7 | 78.9 | 52.0 |
| 08:00 PM - 09:00 PM | 55.3 | 79.8 | 50.7 |
| 09:00 PM - 10:00 PM | 53.4 | 71.9 | 49.1 |
| 10:00 PM - 11:00 PM | 51.2 | 71.9 | 47.3 |
| 11:00 PM - 12:00 AM | 52.2 | 81.8 | 55.1 |
| 12:00 AM - 01:00 AM | 48.8 | 71.8 | 43.6 |
| 01:00 AM - 02:00 AM | 47.8 | 72.4 | 43.8 |
| 02:00 AM - 03:00 AM | 54.8 | 66.2 | 49.5 |
| 03:00 AM - 04:00 AM | 46.8 | 66.6 | 42.3 |
| 04:00 AM - 05:00 AM | 48.9 | 74.7 | 42.3 |
| 05:00 AM - 06:00 AM | 58.6 | 72.6 | 55.5 |
| 06:00 AM - 07:00 AM | 56.1 | 75.7 | 51.9 |
| 07:00 AM - 08:00 AM | 56.0 | 78.2 | 53.0 |
| 08:00 AM - 09:00 AM | 54.1 | 75.6 | 50.0 |
| 09:00 AM - 10:00 AM | 52.4 | 72.4 | 46.7 |
| 10:00 AM - 11:00 AM | 55.5 | 77.8 | 47.3 |
| 11:00 AM - 12:00 PM | 55.8 | 77.7 | 51.2 |
| 12:00 PM - 01:00 PM | 55.2 | 77.5 | 49.2 |
| 01:00 PM - 02:00 PM | 52.3 | 72.8 | 48.5 |
| 02:00 PM - 03:00 PM | 52.7 | 69.9 | 48.1 |
| 03:00 PM - 04:00 PM | 51.6 | 70.5 | 46.3 |
| 04:00 PM - 05:00 PM | 58.5 | 71.9 | 50.7 |
| 05:00 PM - 06:00 PM | 56.0 | 82.4 | 50.3 |

Leq Average 24 hrs. (dB(A)) : 54.9
Lmax (dB(A)) : 82.4
L90 (dB(A)) : 49.1
Ldn (dB(A)) : 60.2
Standard (dB(A)) : 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนด มอก. 15 (พ.ศ. 2546) เพื่อควบคุมการรบกวนจากเสียง
2. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนด มอก. 15 (พ.ศ. 2546) เพื่อควบคุมการรบกวนจากเสียง

Technical Management

Thanitak.

Approved by

Supat S.

Supat Salamat
Section Head

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4969-122/ENAL

S:\Reports\AP Noise\pt (2.47PM)



Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262436-1

Page 1 of 1

Sample Number : 2227905-21
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณทางเข้า/ออก (GPS 47P 0735531, 1402769)
Measurement Date : Mar 13 - Mar 14, 2022
Measurement by : Sattha Phetsavong
Sound Level meter : Serial No. 233183

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 06:00 PM - 07:00 PM | 56.9 | 75.4 | 56.3 |
| 07:00 PM - 08:00 PM | 55.0 | 75.7 | 50.7 |
| 08:00 PM - 09:00 PM | 54.0 | 76.9 | 49.0 |
| 09:00 PM - 10:00 PM | 53.1 | 73.5 | 47.6 |
| 10:00 PM - 11:00 PM | 51.7 | 74.3 | 47.8 |
| 11:00 PM - 12:00 AM | 51.6 | 80.6 | 46.4 |
| 12:00 AM - 01:00 AM | 49.0 | 76.2 | 44.8 |
| 01:00 AM - 02:00 AM | 48.5 | 78.0 | 43.2 |
| 02:00 AM - 03:00 AM | 49.1 | 72.6 | 47.1 |
| 03:00 AM - 04:00 AM | 47.4 | 76.1 | 42.9 |
| 04:00 AM - 05:00 AM | 47.6 | 70.8 | 43.5 |
| 05:00 AM - 06:00 AM | 60.6 | 72.2 | 54.6 |
| 06:00 AM - 07:00 AM | 57.1 | 77.7 | 50.5 |
| 07:00 AM - 08:00 AM | 54.0 | 74.5 | 49.5 |
| 08:00 AM - 09:00 AM | 53.0 | 70.8 | 49.5 |
| 09:00 AM - 10:00 AM | 51.2 | 67.9 | 45.5 |
| 10:00 AM - 11:00 AM | 51.3 | 69.3 | 45.8 |
| 11:00 AM - 12:00 PM | 54.1 | 77.7 | 50.6 |
| 12:00 PM - 01:00 PM | 57.1 | 73.6 | 50.8 |
| 01:00 PM - 02:00 PM | 52.8 | 77.5 | 48.3 |
| 02:00 PM - 03:00 PM | 53.7 | 72.7 | 49.8 |
| 03:00 PM - 04:00 PM | 53.5 | 68.1 | 47.5 |
| 04:00 PM - 05:00 PM | 54.0 | 73.9 | 47.7 |
| 05:00 PM - 06:00 PM | 55.3 | 77.7 | 50.3 |

Leq Average 24 hrs. (dB(A)) : 54.4
Lmax (dB(A)) : 80.6
L90 (dB(A)) : 47.8
Ldn (dB(A)) : 60.5
Standard (dB(A)) : 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนด มอก. 15 (พ.ศ. 2546) เพื่อควบคุมการรบกวนจากเสียง
2. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนด มอก. 15 (พ.ศ. 2546) เพื่อควบคุมการรบกวนจากเสียง

Technical Management

Thanitak.

Approved by

Supat S.

Supat Salamat
Section Head

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S:\Reports\AP Noise\pt (2.47PM)



Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227905
Date Received : Mar 15, 2022
Date Reported : Mar 19, 2022
Report Number: 2262437-1

Page 1 of 1

Sample Number : 2227905-20
Parameter : Noise (Leq 24 hrs.)
Location : บริเวณทางเข้า/ออก (GPS 47P 0735531, 1402769)
Measurement Date : Mar 12 - Mar 13, 2022
Measurement by : Sattha Phetsavong
Sound Level meter : Serial No. 233183

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 06:00 PM - 07:00 PM | 60.8 | 73.7 | 58.0 |
| 07:00 PM - 08:00 PM | 55.9 | 78.9 | 50.4 |
| 08:00 PM - 09:00 PM | 55.4 | 77.8 | 49.3 |
| 09:00 PM - 10:00 PM | 52.4 | 76.8 | 46.5 |
| 10:00 PM - 11:00 PM | 51.7 | 75.3 | 45.6 |
| 11:00 PM - 12:00 AM | 51.9 | 74.2 | 44.9 |
| 12:00 AM - 01:00 AM | 52.3 | 82.5 | 43.0 |
| 01:00 AM - 02:00 AM | 46.8 | 72.3 | 43.7 |
| 02:00 AM - 03:00 AM | 48.1 | 77.5 | 42.3 |
| 03:00 AM - 04:00 AM | 46.6 | 68.5 | 42.0 |
| 04:00 AM - 05:00 AM | 48.4 | 68.4 | 43.2 |
| 05:00 AM - 06:00 AM | 59.3 | 72.1 | 57.0 |
| 06:00 AM - 07:00 AM | 54.5 | 74.1 | 49.9 |
| 07:00 AM - 08:00 AM | 54.0 | 80.3 | 49.9 |
| 08:00 AM - 09:00 AM | 56.1 | 75.8 | 48.8 |
| 09:00 AM - 10:00 AM | 53.3 | 71.0 | 46.5 |
| 10:00 AM - 11:00 AM | 54.0 | 74.4 | 46.6 |
| 11:00 AM - 12:00 PM | 54.9 | 74.2 | 50.7 |
| 12:00 PM - 01:00 PM | 57.2 | 75.3 | 54.3 |
| 01:00 PM - 02:00 PM | 52.2 | 70.7 | 48.1 |
| 02:00 PM - 03:00 PM | 52.7 | 75.2 | 47.9 |
| 03:00 PM - 04:00 PM | 52.7 | 75.0 | 46.8 |
| 04:00 PM - 05:00 PM | 55.7 | 70.4 | 49.3 |
| 05:00 PM - 06:00 PM | 58.1 | 74.8 | 51.1 |

Leq Average 24 hrs. (dB(A)) : 55.0
Lmax (dB(A)) : 82.5
L90 (dB(A)) : 48.8
Ldn (dB(A)) : 60.1
Standard (dB(A)) : 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนด มอก. 15 (พ.ศ. 2546) เพื่อควบคุมการรบกวนจากเสียง
2. ใช้มาตรฐานการวัดและประเมินค่าเสียงตามข้อกำหนด มอก. 15 (พ.ศ. 2546) เพื่อควบคุมการรบกวนจากเสียง

Technical Management

Thanitak.

Approved by

Supat S.

Supat Salamat
Section Head

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S:\Reports\AP Noise\pt (2.47PM)

ภาคผนวก ค-6

ระดับเสียงในสถานประกอบการ



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2227892
Date Received : Mar 09, 2022
Date Reported : Mar 15, 2022
Report Number: 2257299-1

Page 1 of 1

| | |
|------------------|-------------------------|
| Sample Number | 2227892-1 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | Solvent Recovery Unit 1 |
| Measurement Date | Mar 08, 2022 |
| Measurement by | Satcha Phetsawang |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|--|-------------|--------------|-------------|
| 09:11 AM - 10:11 AM | 85.8 | 88.0 | 85.2 |
| 10:11 AM - 11:11 AM | 84.8 | 85.4 | 84.3 |
| 11:11 AM - 12:11 PM | 84.6 | 86.4 | 84.2 |
| 12:11 PM - 01:11 PM | 85.0 | 86.4 | 84.5 |
| 01:11 PM - 02:11 PM | 85.2 | 87.8 | 84.6 |
| 02:11 PM - 03:11 PM | 85.0 | 87.8 | 84.4 |
| 03:11 PM - 04:11 PM | 85.0 | 87.1 | 84.4 |
| 04:11 PM - 05:11 PM | 85.0 | 86.9 | 84.4 |
| Leq Average 8 hrs. (dB(A)) | 85.1 | | |
| Lmax (dB(A)) | | 88.0 | |
| Standard (dB(A)) | 90 | 140 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : ผู้ตรวจการสิ่งแวดล้อม (หรือ หน่วยงานที่ตรวจวัดและเก็บ) ไม่พบการเกินค่ามาตรฐานที่กำหนดไว้ในกฎหมายว่าด้วยการควบคุมมลพิษ | | | |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2227892
Date Received : Mar 09, 2022
Date Reported : Mar 15, 2022
Report Number: 2257299-1

Page 1 of 1

| | |
|------------------|-------------------------|
| Sample Number | 2227892-2 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | Solvent Recovery Unit 2 |
| Measurement Date | Mar 08, 2022 |
| Measurement by | Satcha Phetsawang |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|--|-------------|--------------|-------------|
| 08:38 AM - 09:38 AM | 86.1 | 89.1 | 85.4 |
| 09:38 AM - 10:38 AM | 85.7 | 88.7 | 85.1 |
| 10:38 AM - 11:38 AM | 84.9 | 87.2 | 84.4 |
| 11:38 AM - 12:38 PM | 84.6 | 86.3 | 84.1 |
| 12:38 PM - 01:38 PM | 84.5 | 87.2 | 84.1 |
| 01:38 PM - 02:38 PM | 83.8 | 86.5 | 83.5 |
| 02:38 PM - 03:38 PM | 84.0 | 86.4 | 83.8 |
| 03:38 PM - 04:38 PM | 83.8 | 84.9 | 83.5 |
| Leq Average 8 hrs. (dB(A)) | 84.8 | | |
| Lmax (dB(A)) | | 89.1 | |
| Standard (dB(A)) | 90 | 140 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : ผู้ตรวจการสิ่งแวดล้อม (หรือ หน่วยงานที่ตรวจวัดและเก็บ) ไม่พบการเกินค่ามาตรฐานที่กำหนดไว้ในกฎหมายว่าด้วยการควบคุมมลพิษ | | | |

Technical Management

Thanitak.

Approved by

Supot S.

Thanita Kulsuwong
Scientist (4)Supot Salanthich
Section Head

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S.Vaporize_Air Noise (p1) (1.52PM)

Technical Management

Thanitak.

Approved by

Supot S.

Thanita Kulsuwong
Scientist (4)Supot Salanthich
Section Head

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4989-1322 EMAIL

S.Vaporize_Air Noise (p1) (1.52PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2240338
Date Received : May 06, 2022
Date Reported : May 11, 2022
Report Number: 2307305-1

Page 1 of 1

| | |
|------------------|-------------------------|
| Sample Number | 2240338-1 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | Solvent Recovery Unit 1 |
| Measurement Date | May 06, 2022 |
| Measurement by | Satcha Phetsawang |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|--|-------------|--------------|-------------|
| 09:00 AM - 10:00 AM | 85.5 | 91.0 | 84.5 |
| 10:00 AM - 11:00 AM | 86.5 | 91.2 | 85.4 |
| 11:00 AM - 12:00 PM | 87.3 | 91.3 | 86.1 |
| 12:00 PM - 01:00 PM | 86.0 | 90.4 | 85.1 |
| 01:00 PM - 02:00 PM | 85.9 | 90.7 | 85.0 |
| 02:00 PM - 03:00 PM | 86.2 | 91.8 | 85.3 |
| 03:00 PM - 04:00 PM | 86.1 | 91.6 | 85.4 |
| 04:00 PM - 05:00 PM | 86.2 | 91.4 | 85.5 |
| Leq Average 8 hrs. (dB(A)) | 86.2 | | |
| Lmax (dB(A)) | | 91.8 | |
| Standard (dB(A)) | 90 | 140 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : ผู้ตรวจการสิ่งแวดล้อม (หรือ หน่วยงานที่ตรวจวัดและเก็บ) ไม่พบการเกินค่ามาตรฐานที่กำหนดไว้ในกฎหมายว่าด้วยการควบคุมมลพิษ | | | |



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056, 4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut PE (SPE)

Lot ID: 2240338
Date Received : May 06, 2022
Date Reported : May 11, 2022
Report Number: 2307305-1

Page 1 of 1

| | |
|------------------|-------------------------|
| Sample Number | 2240338-2 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | Solvent Recovery Unit 2 |
| Measurement Date | May 06, 2022 |
| Measurement by | Satcha Phetsawang |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|--|-------------|--------------|-------------|
| 09:01 AM - 10:01 AM | 87.3 | 90.0 | 86.2 |
| 10:01 AM - 11:01 AM | 86.6 | 88.7 | 85.7 |
| 11:01 AM - 12:01 PM | 86.4 | 88.6 | 85.5 |
| 12:01 PM - 01:01 PM | 87.4 | 89.2 | 86.7 |
| 01:01 PM - 02:01 PM | 87.5 | 90.7 | 86.8 |
| 02:01 PM - 03:01 PM | 87.3 | 89.1 | 86.7 |
| 03:01 PM - 04:01 PM | 87.0 | 88.5 | 86.4 |
| 04:01 PM - 05:01 PM | 87.0 | 88.7 | 86.3 |
| Leq Average 8 hrs. (dB(A)) | 87.1 | | |
| Lmax (dB(A)) | | 90.7 | |
| Standard (dB(A)) | 90 | 140 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : ผู้ตรวจการสิ่งแวดล้อม (หรือ หน่วยงานที่ตรวจวัดและเก็บ) ไม่พบการเกินค่ามาตรฐานที่กำหนดไว้ในกฎหมายว่าด้วยการควบคุมมลพิษ | | | |

Technical Management

Thanitak.

Approved by

Supot S.

Thanita Kulsuwong
Scientist (4)Supot Salanthich
Section Head

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4989-1322 EMAIL

S.Vaporize_Air Noise (p1) (1.28AM)

Technical Management

Thanitak.

Approved by

Supot S.

Thanita Kulsuwong
Scientist (4)Supot Salanthich
Section Head

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S.Vaporize_Air Noise (p1) (1.28AM)

ภาคผนวก ค-7

ระดับเสียงแยกความถี่ (Octave Bands)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227900
Date Received : Mar 09, 2022
Date Reported : Mar 17, 2022
Report Number : 2253959-1

Page 1 of 1

Sample Number : 2227900-1
Parameter : Octave band
Location : Solvent Recovery Unit 1
Measurement Date : Mar 06, 2022
Measurement By : Setcha Phetsawang

| Time | Leq | Result (dB(A)) | | | | | | | | | | |
|---------------------|------|----------------|---------|-------|--------|--------|--------|-------|-------|-------|-------|--------|
| | | 16 Hz | 31.5 Hz | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | 16 kHz |
| 09:11 AM - 10:11 AM | 85.8 | 22.4 | 47.3 | 55.0 | 63.1 | 69.2 | 79.9 | 78.6 | 82.6 | 72.1 | 61.6 | 50.1 |
| 10:11 AM - 11:11 AM | 84.8 | 22.1 | 47.2 | 54.8 | 63.1 | 69.1 | 80.5 | 77.5 | 80.4 | 72.0 | 61.5 | 50.1 |
| 11:11 AM - 12:11 PM | 84.6 | 21.9 | 47.1 | 54.6 | 63.0 | 69.2 | 80.8 | 77.5 | 79.5 | 72.0 | 61.5 | 50.1 |
| 12:11 PM - 01:11 PM | 85.0 | 21.7 | 46.9 | 54.5 | 62.9 | 68.9 | 81.4 | 78.4 | 79.3 | 72.0 | 61.7 | 50.2 |
| 01:11 PM - 02:11 PM | 85.2 | 21.6 | 46.9 | 54.5 | 62.9 | 69.4 | 81.0 | 78.9 | 80.0 | 72.1 | 61.9 | 50.4 |
| 02:11 PM - 03:11 PM | 85.0 | 21.7 | 46.7 | 54.4 | 63.0 | 68.9 | 80.7 | 78.8 | 79.9 | 71.9 | 61.6 | 50.4 |
| 03:11 PM - 04:11 PM | 85.0 | 21.7 | 46.7 | 54.6 | 62.8 | 68.6 | 80.1 | 79.3 | 80.2 | 72.1 | 62.6 | 52.0 |
| 04:11 PM - 05:11 PM | 85.0 | 21.7 | 46.7 | 54.5 | 62.9 | 68.6 | 79.8 | 79.4 | 80.2 | 71.9 | 62.0 | 52.1 |
| Average | 85.1 | 21.9 | 46.9 | 54.6 | 63.0 | 69.0 | 80.6 | 78.5 | 80.4 | 72.0 | 61.9 | 50.8 |

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saengye C.

Saranya Chalermsamrong
Scientist (4)

Approved by

Supt S

Supot Salameh
Section Head

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4989-122 (ENH)

S:\Report\Air Noise_Octave band rpt (2.37PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056/4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2240341
Date Received : May 06, 2022
Date Reported : May 13, 2022
Report Number : 2313396-1

Page 1 of 1

Sample Number : 2240341-1
Parameter : Octave band
Location : Solvent Recovery Unit 1
Measurement Date : May 06, 2022
Measurement By : Setcha Phetsawang

| Time | Leq | Result (dB(A)) | | | | | | | | | | |
|---------------------|------|----------------|---------|-------|--------|--------|--------|-------|-------|-------|-------|--------|
| | | 16 Hz | 31.5 Hz | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | 16 kHz |
| 09:00 AM - 10:00 AM | 85.6 | 19.7 | 47.8 | 53.7 | 63.1 | 68.6 | 83.0 | 77.2 | 79.0 | 72.4 | 62.0 | 50.8 |
| 10:00 AM - 11:00 AM | 86.5 | 20.0 | 47.9 | 53.8 | 63.2 | 68.9 | 84.3 | 77.5 | 79.6 | 72.5 | 62.0 | 50.9 |
| 11:00 AM - 12:00 PM | 87.3 | 20.4 | 47.9 | 53.8 | 63.1 | 68.9 | 85.7 | 77.2 | 79.4 | 72.5 | 62.0 | 50.8 |
| 12:00 PM - 01:00 PM | 86.0 | 19.9 | 47.7 | 53.8 | 63.2 | 68.8 | 83.5 | 77.2 | 79.6 | 72.4 | 62.0 | 50.9 |
| 01:00 PM - 02:00 PM | 85.9 | 19.1 | 47.4 | 53.7 | 63.3 | 68.9 | 83.3 | 77.2 | 79.7 | 72.4 | 61.9 | 50.9 |
| 02:00 PM - 03:00 PM | 86.2 | 17.7 | 46.5 | 53.6 | 63.4 | 68.9 | 83.5 | 77.7 | 80.2 | 72.6 | 62.0 | 50.9 |
| 03:00 PM - 04:00 PM | 86.1 | 16.8 | 46.0 | 53.8 | 63.7 | 69.0 | 82.2 | 77.9 | 80.5 | 72.6 | 62.1 | 51.0 |
| 04:00 PM - 05:00 PM | 86.2 | 17.5 | 46.4 | 53.7 | 63.7 | 68.9 | 83.1 | 78.7 | 80.6 | 72.6 | 62.0 | 50.9 |
| Average | 86.2 | 19.1 | 47.2 | 53.8 | 63.3 | 68.9 | 83.8 | 77.6 | 79.8 | 72.5 | 62.0 | 50.9 |

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saengye C.

Saranya Chalermsamrong
Scientist (4)

Approved by

Supt S

Supot Salameh
Section Head

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S:\Report\Air Noise_Octave band rpt (7.00PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2227900
Date Received : Mar 09, 2022
Date Reported : Mar 17, 2022
Report Number : 2253959-1

Page 1 of 1

Sample Number : 2227900-2
Parameter : Octave band
Location : Solvent Recovery Unit 2
Measurement Date : Mar 06, 2022
Measurement By : Setcha Phetsawang

| Time | Leq | Result (dB(A)) | | | | | | | | | | |
|---------------------|------|----------------|---------|-------|--------|--------|--------|-------|-------|-------|-------|--------|
| | | 16 Hz | 31.5 Hz | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | 16 kHz |
| 08:36 AM - 09:36 AM | 86.1 | 27.5 | 44.8 | 53.8 | 64.6 | 70.2 | 75.2 | 81.2 | 83.1 | 73.6 | 64.8 | 54.3 |
| 09:36 AM - 10:36 AM | 85.7 | 26.9 | 44.6 | 53.6 | 64.5 | 70.0 | 75.0 | 80.1 | 82.8 | 74.3 | 65.3 | 54.3 |
| 10:36 AM - 11:36 AM | 84.9 | 26.7 | 44.6 | 53.6 | 64.4 | 69.8 | 75.0 | 79.8 | 81.4 | 74.3 | 65.0 | 54.3 |
| 11:36 AM - 12:36 PM | 84.6 | 26.4 | 44.5 | 53.4 | 64.2 | 69.7 | 75.1 | 79.1 | 81.3 | 74.6 | 65.1 | 54.3 |
| 12:36 PM - 01:36 PM | 84.6 | 27.3 | 44.5 | 53.2 | 64.2 | 69.9 | 75.2 | 79.2 | 81.0 | 74.5 | 64.9 | 54.4 |
| 01:36 PM - 02:36 PM | 83.9 | 26.8 | 44.5 | 53.4 | 64.4 | 70.1 | 75.1 | 78.9 | 79.6 | 72.8 | 64.9 | 54.3 |
| 02:36 PM - 03:36 PM | 84.0 | 29.2 | 44.7 | 53.6 | 64.4 | 70.1 | 75.2 | 79.0 | 79.8 | 74.6 | 64.9 | 54.5 |
| 03:36 PM - 04:36 PM | 83.8 | 28.4 | 44.8 | 53.4 | 64.5 | 70.3 | 75.0 | 78.8 | 79.5 | 74.0 | 64.9 | 54.5 |
| Average | 84.8 | 27.5 | 44.6 | 53.5 | 64.4 | 70.0 | 75.1 | 79.6 | 81.3 | 74.2 | 65.0 | 54.3 |

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saengye C.

Saranya Chalermsamrong
Scientist (4)

Approved by

Supt S

Supot Salameh
Section Head

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S:\Report\Air Noise_Octave band rpt (2.37PM)



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O : 4512635056/4512635050
Project Name : Environmental Quality Monitoring
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 2240341
Date Received : May 06, 2022
Date Reported : May 13, 2022
Report Number : 2313396-1

Page 1 of 1

Sample Number : 2240341-2
Parameter : Octave band
Location : Solvent Recovery Unit 2
Measurement Date : May 06, 2022
Measurement By : Setcha Phetsawang

| Time | Leq | Result (dB(A)) | | | | | | | | | | |
|---------------------|------|----------------|---------|-------|--------|--------|--------|-------|-------|-------|-------|--------|
| | | 16 Hz | 31.5 Hz | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | 16 kHz |
| 09:01 AM - 10:01 AM | 87.3 | 25.2 | 45.0 | 53.1 | 63.6 | 69.8 | 85.5 | 77.9 | 79.6 | 71.9 | 65.5 | 54.7 |
| 10:01 AM - 11:01 AM | 86.6 | 24.5 | 45.0 | 53.2 | 63.6 | 69.8 | 84.6 | 78.1 | 78.8 | 71.9 | 65.5 | 54.9 |
| 11:01 AM - 12:01 PM | 86.4 | 24.4 | 45.0 | 53.2 | 63.6 | 69.8 | 84.3 | 78.0 | 78.7 | 71.8 | 65.5 | 54.9 |
| 12:01 PM - 01:01 PM | 87.4 | 24.7 | 45.2 | 53.4 | 63.8 | 70.3 | 85.8 | 78.1 | 78.6 | 71.8 | 65.5 | 55.0 |
| 01:01 PM - 02:01 PM | 87.5 | 25.6 | 45.3 | 53.7 | 63.8 | 70.2 | 85.9 | 78.2 | 78.7 | 72.2 | 65.5 | 55.1 |
| 02:01 PM - 03:01 PM | 87.3 | 26.0 | 45.2 | 53.3 | 63.8 | 70.3 | 85.7 | 78.0 | 78.6 | 71.8 | 65.5 | 55.0 |
| 03:01 PM - 04:01 PM | 87.0 | 26.1 | 45.2 | 53.4 | 63.8 | 70.4 | 85.3 | 78.2 | 78.0 | 71.7 | 65.5 | 54.9 |
| 04:01 PM - 05:01 PM | 87.0 | 25.9 | 45.2 | 53.4 | 63.8 | 70.3 | 85.2 | 78.3 | 78.2 | 71.9 | 65.5 | 54.9 |
| Average | 87.1 | 25.5 | 45.1 | 53.3 | 63.7 | 70.1 | 85.3 | 78.1 | 78.7 | 71.9 | 65.5 | 54.9 |

Reference Method : ANSI Standard S1.6-1984

Technical Management

Saengye C.

Saranya Chalermsamrong
Scientist (4)

Approved by

Supt S

Supot Salameh
Section Head

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S:\Report\Air Noise_Octave band rpt (7.01PM)

ภาคผนวก ค-8

ระดับเสียงสะสมที่ตัวบุคคล (Noise Dose)

แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน
เกี่ยวกับความร้อน แสงสว่าง และเสียงภายในสถานประกอบกิจการ
ตามข้อ ๑๕ แห่งกฎกระทรวงกำหนดมาตรฐานในการบริหาร จัดการ และดำเนินการด้านความปลอดภัย
อาชีวอนามัย และสภาพแวดล้อมในการทำงานเกี่ยวกับความร้อน แสงสว่าง และเสียง พ.ศ. ๒๕๕๙

๑ ข้าพเจ้า (นาย/นาง/นางสาว) ดร.ณัฏฐ์ ฌายีเนตร นายจ้าง/ผู้มีอำนาจกระทำการแทน

๒ ชื่อสถานประกอบกิจการ บริษัท สยามโพลีเอททีลีน จำกัด

เลขทะเบียนนิติบุคคล 0105538145319

ประกอบกิจการ เม็ดพลาสติกโพลีเอททีลีน

ตั้งอยู่เลขที่ 8/1 หมู่ที่ - ตรอก/ซอย - ถนน ไฮ-สปี นิคมอุตสาหกรรมมาบตาพุด

ตำบล/แขวง มาบตาพุด อำเภอ/เขต เมืองระยอง จังหวัด ระยอง รหัสไปรษณีย์ 21150

โทรศัพท์ 0-3867-3000 โทรสาร 0-3868-3991 โทรศัพท์มือถือ -

๓ การดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☒ บุคคลที่ขึ้นทะเบียนเจ้าหน้าที่ความปลอดภัยในการทำงานระดับวิชาชีพ หรือบุคคลผู้สำเร็จการศึกษา
ไม่ต่ำกว่าปริญญาตรีสาขาอาชีวอนามัยหรือเทียบเท่าที่ขึ้นทะเบียนเป็นเจ้าหน้าที่ความปลอดภัยในการทำงาน
ของสถานประกอบกิจการ เป็นผู้ดำเนินการเอง (แนบสำเนาเอกสารการขึ้นทะเบียน และสำเนาวุฒิการศึกษา
พร้อมรับรองความถูกต้อง)

| ชื่อ-นามสกุลผู้ดำเนินการ ตรวจวัดและวิเคราะห์สภาวะการทำงาน | ประเภท ของเจ้าหน้าที่ความปลอดภัยในการทำงาน | เลขทะเบียน เจ้าหน้าที่ความปลอดภัยในการทำงาน |
|--|---|--|
| ๑) นางสาวพิชญ์สินี โสตา | เจ้าหน้าที่ความปลอดภัยฯ ระดับวิชาชีพ | กสร.จป.ว 221-003593 |

รายการผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับความร้อน (แบบ รสส. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
- ☒ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียง (แบบ รสส. ๓)

- ☐ บุคคลที่ได้รับใบขึ้นทะเบียนตามมาตรา ๙ หรือนิติบุคคลที่ได้รับใบอนุญาตตามมาตรา ๑๑
แห่งพระราชบัญญัติความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน พ.ศ. ๒๕๕๔
(แนบสำเนาเอกสารใบขึ้นทะเบียน/ใบอนุญาตตามมาตรา ๙ หรือมาตรา ๑๑ พร้อมรับรองความถูกต้อง)

| ชื่อ-นามสกุล บุคคลหรือนิติบุคคลผู้ดำเนินการ ตรวจวัดและวิเคราะห์สภาวะการทำงาน | เลขที่ใบขึ้นทะเบียน/เลขที่ใบอนุญาต | ระยะเวลาที่ได้รับ การขึ้นทะเบียนและได้รับใบอนุญาต ตั้งแต่วันที่เดือนปี ถึง วันที่เดือนปี |
|--|------------------------------------|--|
| ๑) | | |

หมายเหตุ: สามารถเพิ่มบุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงานเป็นลำดับในตาราง

รายการผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับความร้อน (แบบ รสส. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียง (แบบ รสส. ๓)

ลงชื่อ

พิชญ์สินี โสตา

(นางสาวพิชญ์สินี โสตา)

ลงชื่อ

Darnluck C.

(นางสาวดร.ณัฏฐ์ ฌายีเนตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน

นายจ้าง/ผู้มีอำนาจกระทำการแทน

แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียง

๑ วัน เดือน ปี ที่ตรวจวัด 10 - 13 มิถุนายน 2565

๒ เครื่องมือที่ใช้ในการตรวจวัด (กรณีที่ใช้เครื่องตรวจวัดมากกว่า ๑ เครื่อง ให้เพิ่มข้อมูลเป็นลำดับไปตาราง)

| ชนิดอุปกรณ์เครื่องตรวจวัด | ชื่อรุ่น | หมายเลขเครื่อง (Serial Number) | มาตรฐานเครื่อง | วัน/เดือน/ปี (ปรับเทียบความถูกต้อง) | หมายเหตุ |
|---------------------------|---------------|--------------------------------|----------------|-------------------------------------|----------|
| ๑) Noise Dose Meter | QUEST / NP-DL | NLC100006 | IEC 651 - 1979 | 17 มีนาคม / ๖๕ | |

๓ อุปกรณ์ที่ใช้ในการปรับเทียบความถูกต้องของเครื่องมือตรวจวัดระดับความดังเสียง

| อุปกรณ์ปรับเทียบความถูกต้อง | ชื่อรุ่น | หมายเลขเครื่อง (Serial Number) | มาตรฐานเครื่อง | หมายเหตุ |
|-----------------------------|-------------|--------------------------------|--|----------|
| ๑) Sound calibrator | QUEST/DC-10 | QIC1000060 | ANSI S1.40-1984 และ IEC 942:1988 Class 1 | |

๔ ผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง Sound Level Meter (SLM)

| ลำดับ ของ SEG | บริเวณที่ทำการตรวจวัด | ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG | ระยะเวลาการทำงาน ของพนักงาน (ชั่วโมง/นาที) | พื้นที่ทำงาน | ผลการตรวจวัดระดับความดังเสียง | | ข้อสังเกต และวิธีการปรับปรุงแก้ไข |
|---------------------|-----------------------|---------------------------------------|---|--------------|-------------------------------|--------------------------------------|--------------------------------------|
| | | | | | ความดังเสียง (dBA) | ระยะเวลาการตรวจวัด (ชั่วโมง/นาที) | |
| | | | | | | | |

หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งสัมผัสสภาวะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ท่า พื้นที่การทำงานเกี่ยวกับปัจจัยเสี่ยงเหมือนกัน

๒) บริเวณที่ทำการตรวจวัด ให้จัดทำแผนผังพื้นที่ที่ดำเนินการตรวจวัดระดับความดังเสียงเป็นเอกสารแนบ

๓) กรณีที่พนักงานสัมผัสเสียงดังในบริเวณตรวจวัดหลายจุดทำงาน (หลายสถานที่งานพื้นที่ทำงาน) สามารถเพิ่มเติมพื้นที่ทำงานในตารางได้

๔) ระดับเสียงเฉลี่ย TWA < ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่ส่งผลในหูเมื่อสวมใส่อุปกรณ์ป้องกันเสียง

๕) ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ลูกจ้างได้รับเฉลี่ยตลอดระยะเวลาการทำงานในแต่ละวัน ลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓

๖) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ

พิเชษฐ์ ใจหา

(นางสาวพิชญ์สินี ใจหา)

ลงชื่อ

Darathok C.

(นางสาวตฤณลักษณ์ ฉายีเนตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน

นายจ้างผู้มีอำนาจกระทำการแทน

๕. ผลการตรวจวัดและวิเคราะห์สภาพการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง (Noise Dosimeter)

| ลำดับ ของ SEG | บริเวณที่ทำการตรวจวัด | ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG | ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที) | ผลการตรวจวัดระดับความดังเสียง | | ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) | ผลการประเมิน (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์) | ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข |
|---------------------|--|---------------------------------------|--|--------------------------------------|--|--|---|---------------------------------------|
| | | | | ระยะเวลาการตรวจวัด (ชั่วโมง/นาที) | ปริมาณเสียงสะสม (D) เปอร์เซ็นต์ (%) | | | |
| ๑ | PE Operator-General 12 hour exposure at Train 1 | รายละเอียดตามเอกสารแนบ ๑ | 720 นาที | 619 นาที | 57.4 | 82.6 | ไม่เป็นเกณฑ์ | |
| ๒ | PE Operator-General 12 hour exposure at Train 2 | | 720 นาที | 581 นาที | 79.9 | 84.0 | ไม่เป็นเกณฑ์ | |

หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งสัมผัสสภาวะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวข้องกับปัจจัยเสี่ยงเหมือนกัน

๒) ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในหนึ่งสัปดาห์ (การประเมินผลของความปลอดภัยส่วนบุคคล)

๓) ผลการประเมินใช้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมไม่ถูกจ้างได้รับแจ้งโดยตลอดระยะเวลาการลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ หรือ ๓ ชั่วโมงในแต่ละวัน

๔) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

| | |
|---|-------------------------------|
| ลงชื่อ | ลงชื่อ |
| <u>สุทิน ใจ</u> | <u>Darabuck C</u> |
| (นางสาวพิชญ์สินี ใจดา) | (นางสาวอรุณลักษณ์ ฉายีเนตร) |
| บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาพการทำงาน | นายจ้าง/ผู้มีอำนาจกระทำการแทน |

แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน
เกี่ยวกับความร้อน แสงสว่าง และเสียงภายในสถานประกอบการ
ตามข้อ ๑๕ แห่งกฎกระทรวงกำหนดมาตรฐานในการบริหาร จัดการ และดำเนินการด้านความปลอดภัย
อาชีวอนามัย และสภาพแวดล้อมในการทำงานเกี่ยวกับความร้อน แสงสว่าง และเสียง พ.ศ. ๒๕๕๙

๑ ข้าพเจ้า (นาย/นาง/นางสาว) ดร.ณัฏฐ์ ฅายีเนตร นายจ้าง/ผู้มีอำนาจกระทำการแทน

๒ ชื่อสถานประกอบการ บริษัท สยามโพลีเอททีลีน จำกัด

เลขทะเบียนนิติบุคคล 0105538145319

ประกอบกิจการ เม็ดพลาสติกโพลีเอททีลีน

ตั้งอยู่เลขที่ 8/1 หมู่ที่ - ต.รอก/ชอย - ถนน ไอ-สี่ นิคมอุตสาหกรรมมาบตาพุด

ตำบล/แขวง มาบตาพุด อำเภอ/เขต เมืองระยอง จังหวัด ระยอง รหัสไปรษณีย์ 21150

โทรศัพท์ 0-3867-3000 โทรสาร 0-3868-3991 โทรศัพท์มือถือ -

๓ การดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☒ บุคคลที่ขึ้นทะเบียนเป็นเจ้าหน้าที่ความปลอดภัยในการทำงานระดับวิชาชีพ หรือบุคคลผู้สำเร็จการศึกษา
ไม่ต่ำกว่าปริญญาตรีสาขาอาชีวอนามัยหรือเทียบเท่าที่ขึ้นทะเบียนเป็นเจ้าหน้าที่ความปลอดภัยในการทำงาน
ของสถานประกอบการ เป็นผู้ดำเนินการเอง (แนบสำเนาเอกสารการขึ้นทะเบียน และสำเนาวุฒิการศึกษา
พร้อมรับรองความถูกต้อง)

| ชื่อ-นามสกุลผู้ดำเนินการ ตรวจวัดและวิเคราะห์สภาวะการทำงาน | ประเภท ของเจ้าหน้าที่ความปลอดภัยในการทำงาน | เลขทะเบียน เจ้าหน้าที่ความปลอดภัยในการทำงาน |
|--|---|--|
| ๑) นางสาวพิชญ์สินี ไสดะ | เจ้าหน้าที่ความปลอดภัยฯ ระดับวิชาชีพ | กสร.จป.ว 221-003593 |

รายการผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับความร้อน (แบบ รสส. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
- ☒ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียง (แบบ รสส. ๓)

- ☐ บุคคลที่ได้รับใบขึ้นทะเบียนตามมาตรา ๙ หรือนิติบุคคลที่ได้รับใบอนุญาตตามมาตรา ๑๑
แห่งพระราชบัญญัติความปลอดภัย อาชีวอนามัย และสภาพแวดล้อมในการทำงาน พ.ศ. ๒๕๕๔
(แนบสำเนาเอกสารใบขึ้นทะเบียน/ใบอนุญาตตามมาตรา ๙ หรือมาตรา ๑๑ พร้อมรับรองความถูกต้อง)

| ชื่อ-นามสกุล บุคคลหรือนิติบุคคลผู้ดำเนินการ ตรวจวัดและวิเคราะห์สภาวะการทำงาน | เลขที่ใบขึ้นทะเบียน/เลขที่ใบอนุญาต | ระยะเวลาที่ได้รับ การขึ้นทะเบียนและได้รับใบอนุญาต ตั้งแต่วันเดือนปี ถึง วันเดือนปี |
|--|------------------------------------|--|
| ๑) | | |

หมายเหตุ: สามารถเพิ่มบุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงานเป็นลำดับในตาราง

รายการผลการตรวจวัดและวิเคราะห์สภาวะการทำงาน

- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับความร้อน (แบบ รสส. ๑)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับแสงสว่าง (แบบ รสส. ๒)
- ☐ แบบรายงานผลการตรวจวัดและวิเคราะห์สภาวะการทำงานเกี่ยวกับเสียง (แบบ รสส. ๓)

ลงชื่อ พิชญ์สินี ไสดะ ลงชื่อ Darnluck C.
(นางสาวพิชญ์สินี ไสดะ) (นางสาวดร.ณัฏฐ์ ฅายีเนตร)
บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน นายจ้าง/ผู้มีอำนาจกระทำการแทน

แบบรายงานผลการตรวจวัดและวิเคราะห์สภาพการทำงานเกี่ยวกับเสียง

๑ วัน เดือน ปี ที่ตรวจวัด 1 มกราคม 2565 - 1 มีนาคม 2565

๒ เครื่องมือที่ใช้ในการตรวจวัด (กรณีที่ใช้เครื่องตรวจวัดมากกว่า ๑ เครื่อง ให้เพิ่มข้อมูลเป็นลำดับในตาราง)

| ชนิด/ประเภทเครื่องตรวจวัด | ชื่อรุ่น | หมายเลขเครื่อง (Serial Number) | มาตรฐานเครื่อง | วันเดือนปี (ปรับเพื่อความถูกต้อง) | หมายเหตุ |
|---|---------------|--------------------------------|----------------|-----------------------------------|----------|
| ระดับความดังเสียง (SLM Noise Dosimeter) | | | | | |
| ๑) Noise Dose Meter | QUEST / NP-DL | NLC100006 | IEC 651 - 1979 | 1 ธันวาคม 2564 | |
| ๒) Noise Dose Meter | QUEST / NP-DL | NXQ100038 | IEC 651 - 1979 | 21 เมษายน 2564 | |

๓ อุปกรณ์ที่ใช้ในการรับเทียบความถูกต้องของเครื่องมือตรวจวัดระดับความดังเสียง

| อุปกรณ์รับเทียบความถูกต้อง | ชื่อรุ่น | หมายเลขเครื่อง (Serial Number) | มาตรฐานเครื่อง | หมายเหตุ |
|----------------------------|-------------|--------------------------------|--|----------|
| ๑) Sound calibrator | QUEST/QC-10 | QC100060 | ANSI S1.40-1994 และ IEC 942:1988 Class 1 | |

๔ ผลการตรวจวัดและวิเคราะห์สภาพการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง Sound Level Meter (SLM)

| ลำดับ ของ SEG* | บริเวณที่ทำการตรวจวัด | ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG | ระยะเวลาการปฏิบัติงาน ร่องพนักงาน (ชั่วโมง/นาที) | พื้นที่ทำงาน | ผลการตรวจวัดระดับความดังเสียง ความดังเสียง (dBA) ระยะเวลาการตรวจวัด (ชั่วโมง/นาที) | ระดับเสียงเฉลี่ย TWA < ชั่วโมง> (dBA) | ผลการประเมิน ๕ (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์) | ข้อเสนอนะ และวิธีการปรับปรุงแก้ไข |
|----------------|-----------------------|------------------------------------|--|--------------|--|---------------------------------------|---|-----------------------------------|
| | | | | | | | | |

หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งมีลักษณะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสี่ยงเหมือนกัน

๒) บริเวณที่ทำการตรวจวัด ให้จัดทำแผนผังพื้นที่ดำเนินการตรวจวัดระดับความดังเสียงเป็นเอกสารแนบ

๓) กรณีที่พนักงานสัมผัสเสียงดังในบริเวณตรวจวัดหลายจุดทำงาน (หลายสถานีนางานพื้นที่ทำงาน) สามารถเพิ่มเติมพื้นที่ทำงานในตารางได้

๔) ระดับเสียงเฉลี่ย TWA < ชั่วโมง> (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในหนึ่งสัปดาห์โดยเฉลี่ยได้

๕) ผลการประเมินให้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ลูกจ้างได้รับเฉลี่ยตลอดระยะเวลาการทำงานในแต่ละวัน ลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓

๖) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ

ศิริวัฒน์ โสภ.

(นางสาวศิริวัฒน์ โสภ.)

บุคคลหรือบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาพการทำงาน

ลงชื่อ

Dorunbuck C.

(นางสาวดุจดรุณลักษณ์ ฉายินบุตร)

นายจ้าง/ผู้มีอำนาจกระทำการแทน

๕. ผลการตรวจวัดและวิเคราะห์ผลการปฏิบัติงานเกี่ยวกับเสียงหรือตรวจวัดระดับความดังเสียง (Noise Dosimeter)

| ลำดับ ของ SEG* | บริเวณที่ทำการตรวจวัด | ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG | ระยะเวลาการปฏิบัติงาน ของพนักงาน (ชั่วโมง/นาที) | ผลการตรวจวัดระดับความดังเสียง | | ระดับเสียงเฉลี่ย TWA < ชั่วโมง (dBA) | ผลการประเมิน (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์) | ข้อเสนอแนะ และวิธีการปรับปรุงแก้ไข |
|----------------------|--|---------------------------------------|--|--------------------------------------|--|--|---|---------------------------------------|
| | | | | ระยะเวลาการตรวจวัด (ชั่วโมง/นาที) | ปริมาณเสียงสะสม (D) เปอร์เซ็นต์ (%) | | | |
| ๑ | PE Operator-General 12 hour exposure at Train 1 | รายละเอียดตามเอกสารแนบ ๑ | 720 นาที | 803 นาที | 40.5 | 81.1 | ไม่เป็นเกณฑ์ | |
| ๒ | PE Operator-General 12 hour exposure at Train 1 | | 720 นาที | 634 นาที | 95.6 | 84.8 | ไม่เป็นเกณฑ์ | |
| ๓ | PE Operator-General 12 hour exposure at Train 1 | | 720 นาที | 603 นาที | 40.5 | 81.1 | ไม่เป็นเกณฑ์ | |
| ๔ | PE Operator-General 12 hour exposure at Train 1 | | 720 นาที | 594 นาที | 28.9 | 79.3 | ไม่เป็นเกณฑ์ | |
| ๕ | PE Operator-General 12 hour exposure at Train 1 | | 720 นาที | 650 นาที | 112.6 | 85.5 | เกินเกณฑ์ | |
| ๖ | PE Operator-General 12 hour exposure at Train 1 | | 720 นาที | 618 นาที | 107.0 | 85.3 | เกินเกณฑ์ | |

หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งสัมผัสสภาวะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสี่ยงเหมือนกัน

๒) ระดับเสียงเฉลี่ย TWA < ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสค่ามากกว่าจำนวนระดับเสียงที่สัมผัสในหนึ่งสัปดาห์โดยประมาณให้สรุปกรณีความผิดปกติ

๓) ผลการประเมินไม่เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ผู้จ้างได้รับสัมผัสตลอดระยะเวลาการลงวันที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓ ทำงานในแต่ละวัน

๔) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

๕. ผลการตรวจวัดและวิเคราะห์ผลการการทำงานเกี่ยวกับเสียงด้วยเครื่องตรวจวัดระดับความดังเสียง (Noise Dosimeter)

| ลำดับ ของ SEG* | บริเวณที่ทำการตรวจวัด | ชื่อ-นามสกุลของลูกจ้าง ในแต่ละ SEG | ระยะเวลาการปฏิบัติงาน จริงพนักงาน (ชั่วโมง/นาที) | ผลการตรวจวัดระดับความดังเสียง | | ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) | ผลการประเมิน (ระบุว่าเป็นเกณฑ์/ ไม่เป็นเกณฑ์) | ข้อเสนอนะ และวิธีการปรับปรุงแก้ไข |
|----------------------|--|---------------------------------------|---|--------------------------------------|--|--|---|--------------------------------------|
| | | | | ระยะเวลาการตรวจวัด (ชั่วโมง/นาที) | ปริมาณเสียงสะสม (D) เปอร์เซ็นต์ (%) | | | |
| ๑ | PE Operator-General 12 hour exposure at Train 2 | รณเดชชัยตามเอกสารแนบ ๑ | 720 นาที | 651 นาที | 44.7 | 81.5 | ไม่เป็นเกณฑ์ | |
| ๒ | PE Operator-General 12 hour exposure at Train 2 | | 720 นาที | 625 นาที | 49.3 | 81.9 | ไม่เป็นเกณฑ์ | |
| ๓ | PE Operator-General 12 hour exposure at Train 2 | | 720 นาที | 674 นาที | 39.4 | 81.0 | ไม่เป็นเกณฑ์ | |
| ๔ | PE Operator-General 12 hour exposure at Train 2 | | 720 นาที | 571 นาที | 49.4 | 82.0 | เป็นเกณฑ์ | |
| ๕ | PE Operator-General 12 hour exposure at Train 2 | | 720 นาที | 551 นาที | 57.4 | 82.6 | ไม่เป็นเกณฑ์ | |
| ๖ | PE Operator-General 12 hour exposure at Train 2 | | 720 นาที | 618 นาที | 39.6 | 81.0 | ไม่เป็นเกณฑ์ | |

หมายเหตุ ๑) SEG หรือ Similar Exposure Group หมายถึง กลุ่มผู้ปฏิบัติงานซึ่งสัมผัสสภาวะการทำงานเกี่ยวกับระดับความดังเสียงเหมือนกัน คือ ลักษณะงานที่ทำ พื้นที่การทำงานเกี่ยวกับปัจจัยเสี่ยงเหมือนกัน

๒) ระดับเสียงเฉลี่ย TWA ๘ ชั่วโมง (dBA) ที่ผู้ปฏิบัติงานสัมผัสก่อนการคำนวณระดับเสียงที่สัมผัสในหนึ่งสัปดาห์โดยเฉลี่ย

๓) ผลการประเมินให้เกณฑ์มาตรฐานความปลอดภัยตามประกาศกรมสวัสดิการและคุ้มครองแรงงาน เรื่อง มาตรฐานระดับเสียงที่ยอมให้ลูกจ้างได้รับเฉลี่ยตลอดระยะเวลาการตรวจที่ ๑๓ ธันวาคม พ.ศ. ๒๕๖๐ ข้อ ๓ ทำงานในแต่ละวัน

๔) กรณีผลการประเมินเกินเกณฑ์มาตรฐานให้ระบุข้อเสนอแนะและวิธีการปรับปรุงแก้ไข โดยสามารถจัดทำเป็นเอกสารแนบได้

ลงชื่อ ศิริวัฒน์ โสภ ลงชื่อ Danulok C

(นางสาวศิริวัฒน์ โสภ) (นางสาวอรุณลักษณ์ ฉายีบุตร)

บุคคลหรือนิติบุคคลผู้ดำเนินการตรวจวัดและวิเคราะห์สภาวะการทำงาน

นายจ้าง/ผู้มีอำนาจกระทำการแทน

ภาคผนวก ค-๑

คุณภาพน้ำทิ้ง



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, PE (SPE)

TESTING
No.0042
Lot ID: 21143783
Date Received : Jan 19, 2022
Date Reported : Jan 27, 2022
Report Number : 2173088-1 CI

Page 1 of 1

Page 1 of 1

| Sample Number | 21143783-1 | | | | | | |
|--|--|-----|-----------|--------|---------------------------|----------------------------------|------------------|
| Sampling Date | Jan 19, 2022 10:30 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Jan 19, 2022 | | | | | | |
| Condition of Sample | Contained in two amber glass bottles, seven plastic bottles and six 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 | 29 | ≤120 | APHA (2017), 5220 D | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 13 | ≤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 | - | - | - | 8.3 | 5.5-9.0 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature * | Degree C | - | - | 30.1 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 656 | ≤3000 | APHA (2017), 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 10 | ≤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 : Watep Hunchawong, Thansoun 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. Banchoit

Narumon Banchoit
Supervisor
โทรศัพท์ ๖-323-๙945

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
โทรศัพท์ ๖-323-๙942

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6306-102/1946

TESTING
No.0042

Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 21143783
Date Received : Jan 19, 2022
Date Reported : Jan 27, 2022
Report Number : 2173088-3 CI

Page 1 of 1

Page 1 of 4

| Sample Number | 21143783-1 | | | | | | |
|-----------------------------|--|------|-----------|--------------|---------------------------|---|------------------|
| Sampling Date | Jan 19, 2022 10:30 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Jan 20, 2022 | | | | | | |
| Condition of Sample | Contained in two amber glass bottles, seven plastic bottles and six glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Volatile Organics Compounds | | | | | | | |
| Benzene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8030B and 8240D | Bangkok |
| Styrene | ug/L | 1.5 | 5 | <5 | No Standard | Based on US EPA, Method 8030B and 8240D | Bangkok |
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 6.89 | No Standard | Based on APHA (2017), 5310 B | Bangkok |

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

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

Approved by

Savitree N.

Savitree Natsakuljam
Manager

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Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 221491
Date Received : Feb 02, 2022
Date Reported : Jan 27, 2022
Report Number : 2195053-1 CI

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Page 1 of 8

| Sample Number | 221491-1 | | | | | | |
|--|---|-----|-----------|--------|---------------------------|----------------------------------|------------------|
| Sampling Date | Feb 02, 2022 10:42 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Feb 03, 2022 | | | | | | |
| Condition of Sample | Contained in two amber glass bottles, seven 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 | 25 | ≤120 | APHA (2017), 5220 D | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 5 | ≤300 | APHA (2017), 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 5 | ≤300 | APHA (2017), 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤5 | Based on APHA (2017), 5520 B | Rayong |
| pH at 25 degree C | - | - | - | 8.3 | 5.5-9.0 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature * | Degree C | - | - | 34.6 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 796 | ≤3000 | APHA (2017), 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤50 | APHA (2017), 2540 D | Rayong |

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

Narumon Banchoit
Supervisor
โทรศัพท์ ๖-323-๙945

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
โทรศัพท์ ๖-323-๙942

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6306-102/1946

TESTING
No.0042

Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, PE (SPE)

Lot ID: 221491
Date Received : Feb 02, 2022
Date Reported : Jan 27, 2022
Report Number : 2195053-3 CI

Page 1 of 1

| Sample Number | 221491-1 | | | | | | |
|-----------------------------|---|------|-----------|--------------|---------------------------|---|------------------|
| Sampling Date | Feb 02, 2022 10:42 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Feb 03, 2022 | | | | | | |
| Condition of Sample | Contained in two amber glass bottles, seven 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 |
| Volatile Organics Compounds | | | | | | | |
| Benzene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8030B and 8240D | Bangkok |
| Styrene | ug/L | 1.5 | 5 | <5 | No Standard | Based on US EPA, Method 8030B and 8240D | Bangkok |
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 10.5 | No Standard | Based on APHA (2017), 5310 B | Bangkok |

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

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

Approved by

Siriluk P.

Siriluk Puengsup
Supervisor

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Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location: Map Ta Phut, PE (SPE)

Lot ID: 2217933
Date Received : Mar 08, 2022
Date Reported : Mar 17, 2022
Report Number : 2217933-1 Rev. No.1C1

Page 1 of 1

| Sample Number | 2217933-1 | | | | | | |
|--|---|-----|-----------|--------|---------------------------|----------------------------------|------------------|
| Sampling Date | Mar 08, 2022 10:05 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Mar 08, 2022 | | | | | | |
| Condition of Sample | Contained in four amber glass bottles, eight plastic bottles and six glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOB) | Result | Guideline / Specification | Method | Testing Location |
| Water Testing | | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | <2 | ≤20 | APHA (2017), 5210 B | Rayong |
| COD | mg/L | 1.5 | 5 | 19 | ≤120 | APHA (2017), 5220 D | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 17 | ≤300 | APHA (2017), 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 15 | ≤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 | - | - | - | 8.1 | 5.5-9.0 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature * | Degree C | - | - | 30.8 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 692 | ≤3000 | APHA (2017), 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 10 | ≤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).

Note : This Analysis test report is reissued to supersede report No.2217933-1, Date Reported : Mar 16, 2022 due to revise sampling information.

Sampling By : Satcha Phetsawang, Thitpong Budsang

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

Technical Management

N. Banphit

Narumon Banphit
Supervisor
yilidunawit 7-323-99445

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
yilidunawit 7-323-99442

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609-102/1948



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location: Map Ta Phut, PE (SPE)

Lot ID: 2217933
Date Received : Mar 08, 2022
Date Reported : Mar 17, 2022
Report Number : 2217933-1 Rev. No.1C1

Page 1 of 1

| | | | | | | | |
|---|---|------|-----------|--------------|---------------------------|---|------------------|
| Sample Number | 2217933-1 | | | | | | |
| Sampling Date | Mar 08, 2022 10:05 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Mar 09, 2022 | | | | | | |
| Condition of Sample | Contained in four amber glass bottles, eight plastic bottles and six glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Volatile Organic Compounds | | | | | | | |
| Benzene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8260B and 8260D | Bangkok |
| Styrene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8260B and 8260D | Bangkok |
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 8.52 | No Standard | Based on APHA (2017), 5310 B | Bangkok |
| Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017). | | | | | | | |
| Note : This Analysis Test report is issued to supersede report No.2227361-3, Date Reported : Mar 16, 2022 due to revise sampling information. | | | | | | | |
| Sampling By : Satchai Phetsamang , Thilippong Budsaeeng | | | | | | | |
| Remarks : | | | | | | | |
| - "LOD" : Limit of Detection | | | | | | | |
| - "LOR" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting) | | | | | | | |

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).

Note : This Analysis test report is reissued to supersede report No.2217933-1, Date Reported : Mar 16, 2022 due to revise sampling information.

Sampling By : Satcha Phetsawang, Thitpong Budsang

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

Approved by

S. Pungpang

Siriruk Pungpang
Supervisor

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609-102/1948



Analysis / Test Report

TESTING
No.0042

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location: Map Ta Phut, PE (SPE)

Lot ID: 2223879
Date Received : Apr 05, 2022
Date Reported : Apr 12, 2022
Report Number : 2223879-1 C1

Page 1 of 1

| | | | | | | | |
|--|--|-----|-----------|--------|---------------------------|----------------------------------|------------------|
| Sample Number | 2223879-1 | | | | | | |
| Sampling Date | Apr 05, 2022 10:44 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Apr 05, 2022 | | | | | | |
| Condition of Sample | Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOB) | 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 | 20 | ≤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 | 15 | ≤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 | - | - | - | 8.2 | 5.5-9.0 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature * | Degree C | - | - | 28.4 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 612 | ≤3000 | APHA (2017), 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 6 | ≤50 | APHA (2017), 2540 D | Rayong |

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

Sampling By : Pathompong Komsawat, Thanasson Namakunne

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

Technical Management

N. Banphit

Narumon Banphit
Supervisor
yilidunawit 7-323-99445

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
yilidunawit 7-323-99442

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

609-102/1948



Analysis / Test Report

Client : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location: Map Ta Phut, PE (SPE)

Lot ID: 2223879
Date Received : Apr 05, 2022
Date Reported : Apr 12, 2022
Report Number : 2223879-1 C1

Page 1 of 1

| | | | | | | | |
|---|--|------|-----------|--------------|---------------------------|---|------------------|
| Sample Number | 2223879-1 | | | | | | |
| Sampling Date | Apr 05, 2022 10:44 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Apr 06, 2022 | | | | | | |
| Condition of Sample | Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOB) | Result | Guideline / Specification | Method | Testing Location |
| Volatiles Organics Compounds | | | | | | | |
| Benzene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8260B and 8260D | Bangkok |
| Styrene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8260B and 8260D | Bangkok |
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 6.90 | No Standard | Based on APHA (2017), 5310 B | Bangkok |
| Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017). Sampling by : Pathompong Komsewat , Thanassou Nantakulchai | | | | | | | |
| Remark : - "LOD" : Limit of Detection - "LOQ" : Lower than LOQ (Limit of Quantitation) / LOA (Limit of Reporting) | | | | | | | |

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

Sampling By : Pathompong Komsawat, Thanasson Namakunne

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

Approved by

S. Naisiam

Savitree Naisiam
Assistant Manager

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Analysis / Test Report

TESTING
No.0042Lot ID: 2232230
Date Received : May 03, 2022
Date Reported : May 13, 2022
Report Number : 2256800-1 CIClient : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location: Map Ta Phut, PE (SPE)

| Sample Number | 2232230-1 | | | | | | |
|--|--|-----|-----------|--------|---------------------------|----------------------------------|------------------|
| Sampling Date | May 03, 2022 11:15 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | May 03, 2022 | | | | | | |
| Condition of Sample | Contained in six glass vials, two amber glass bottles and seven 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) | ADHI | - | 5 | 6 | ≤300 | APHA (2017), 2120 F | Rayong |
| Color (at pH 7.0) | ADHI | - | 5 | 5 | ≤300 | APHA (2017), 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤5 | Based on APHA (2017), 5520 B | Rayong |
| pH at 25 degree C | - | - | - | 7.6 | 5.5-9.0 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature ° | Degree C | - | - | 29.7 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 380 | ≤3000 | APHA (2017), 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤50 | APHA (2017), 2540 D | Rayong |

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Pathompong Komawat, Thanassoon NamatunnaRemark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked " " were not included in scope of Accreditation ISO/IEC 17025.

Technical Management

N. Banphit

Nattamon Banchongkit
Supervisor
0909090909 0-323-9-9445

Approved by

D. Chongchong

Dej Chongchong
Senior Manager
0909090909 0-323-9-9442The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.
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Analysis / Test Report

TESTING
No.0042Lot ID: 2255925
Date Received : Jun 08, 2022
Date Reported : Jun 27, 2022
Report Number : 2308375-1 CIClient : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location: Map Ta Phut, PE (SPE)

Page 1 of 2

| Sample Number | 2255925-1 | | | | | | |
|--|--|-----|-----------|--------|---------------------------|----------------------------------|------------------|
| Sampling Date | Jun 08, 2022 11:15 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Contained in six glass vials, two amber glass bottles and seven 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 | 25 | ≤120 | APHA (2017), 5220 D | Rayong |
| Color (at Original pH) | ADHI | - | 5 | 13 | ≤300 | APHA (2017), 2120 F | Rayong |
| Color (at pH 7.0) | ADHI | - | 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 | - | - | - | 8.3 | 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 | 716 | ≤3000 | APHA (2017), 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤50 | APHA (2017), 2540 D | Rayong |

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Pathompong Komawat, Thanassoon NamatunnaRemark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked " " were not included in scope of Accreditation ISO/IEC 17025.

Technical Management

N. Banphit

Nattamon Banchongkit
Supervisor
0909090909 0-323-9-9445

Approved by

D. Chongchong

Dej Chongchong
Senior Manager
0909090909 0-323-9-9442The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.
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Analysis / Test Report

Lot ID: 2232230
Date Received : May 03, 2022
Date Reported : May 13, 2022
Report Number : 2256800-1 CIClient : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location: Map Ta Phut, PE (SPE)

Page 2 of 2

| Sample Number | 2232230-1 | | | | | | |
|-----------------------------|--|------|-----------|--------------|---------------------------|---|------------------|
| Sampling Date | May 03, 2022 11:15 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | May 04, 2022 | | | | | | |
| Condition of Sample | Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Volatile Organics Compounds | | | | | | | |
| Benzene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8030B and 8060D | Bangkok |
| Styrene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8030B and 8060D | Bangkok |
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 5.49 | No Standard | Based on APHA (2017), 5310 B | Bangkok |

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Pathompong Komawat, Thanassoon NamatunnaRemark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Savitree N.

Savitree Nattakomjit
Manager

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Analysis / Test Report

Lot ID: 2255925
Date Received : Jun 08, 2022
Date Reported : Jun 27, 2022
Report Number : 2308375-1 CIClient : Siam Polyethylene Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location: Map Ta Phut, PE (SPE)

Page 1 of 1

| Sample Number | 2255925-1 | | | | | | |
|-----------------------------|--|------|-----------|--------------|---------------------------|---|------------------|
| Sampling Date | Jun 08, 2022 11:15 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Outfall | | | | | | |
| Date Analysis Commenced | Jun 09, 2022 | | | | | | |
| Condition of Sample | Contained in six glass vials, two amber glass bottles and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Volatile Organics Compounds | | | | | | | |
| Benzene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8030B and 8060D | Bangkok |
| Styrene | ug/L | 1.5 | 5 | Not Detected | No Standard | Based on US EPA, Method 8030B and 8060D | Bangkok |
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 8.21 | No Standard | Based on APHA (2017), 5310 B | Bangkok |

Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Pathompong Komawat, Thanassoon NamatunnaRemark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chanatt L.

Chanattaporn Jirachon
Supervisor

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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 221505
Date Received : Feb 02, 2022
Date Reported : Feb 10, 2022
Report Number : 2229265-1

Page 1 of 1

| Sample Number | 221505-1 | | | | | |
|--|--|-----|-----------|--------|--------------------------------------|------------------|
| Sampled Date | Feb 02, 2022 9:35 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | Feb 02, 2022 | | | | | |
| Condition of Sample | Contained in two amber glass bottles, three plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | 76 | APHA (2017), 5210 B | Rayong |
| COD | mg/L | 1.5 | 5 | 233 | APHA (2017), 5220 D | Rayong |
| Oil & Grease | mg/L | - | 3 | 8 | Based on APHA (2017), 5520 B | Rayong |
| pH at 25 degree C | - | - | - | 7.8 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature ° | Degree C | - | - | 31.3 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 476 | APHA (2017), 2540 C | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 39.4 | APHA (2017), 4500-Norg (C), N-H3 (D) | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 71 | APHA (2017), 2540 D | Rayong |

Sampled By : Pethompong Kornsawat, Thanassou Namakunee

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

Technical Management

N. Banphit

Narumon Banchohkit
Supervisor
vn00000007-323-a-9445

Approved by

D. Changchon

Dij Changchon
Manager
vn00000007-323-a-5283

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RIGHT SOLUTIONS RIGHT PARTNER

S. Vaporn/LAL/ML/Up (1.59PH)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 221505
Date Received : Feb 02, 2022
Date Reported : Feb 10, 2022
Report Number : 2229265-2

Page 1 of 1

| | | | | | | |
|--|--|------|-----------|--------|------------------------------|------------------|
| Sample Number | 221505-1 | | | | | |
| Sampled Date | Feb 02, 2022 9:39 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | Feb 04, 2022 | | | | | |
| Condition of Sample | Contained in two amber glass bottles, three plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOB) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 39.8 | Based on APHA (2017), 5310 B | Bangkok |
| Sampled By : Parthompong Kornsewat, Thanassou Namakunna | | | | | | |
| Remark : • LOD : Limit of Detection • "LO" : Lower than LOQ (Limit of Quantitation) / LOB (Limit of Reporting) | | | | | | |

Sampled By : Pethompong Kornsawat, Thanassou Namakunee

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

Approved by

N. Banphit

Narumon Banchohkit
Supervisor

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S. Vaporn/LAL/ML/Up (1.59PH)



Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 221505
Date Received : Feb 02, 2022
Date Reported : Feb 10, 2022
Report Number : 2229266-1

Page 1 of 1

| | | | | | | | |
|--|--|-----|-----------|--------|---------------------------|--------------------------------------|------------------|
| Sample Number | 221505-2 | | | | | | |
| Sampled Date | Feb 02, 2022 9:36 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Domestic Outlet | | | | | | |
| Date Analysis Commenced | Feb 02, 2022 | | | | | | |
| Condition of Sample | Contained in two amber glass bottles, 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) | ADNU | - | 5 | 19 | ≤300 | APHA (2017), 2120 F | Rayong |
| Color (at pH 7.0) | ADNU | - | 5 | 17 | ≤300 | APHA (2017), 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | 43 | ≤5 | Based on APHA (2017), 5520 B | Rayong |
| pH at 25 degree C | - | - | - | 7.3 | 5.5-9.0 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature ° | Degree C | - | - | 31.8 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 372 | ≤3000 | APHA (2017), 2540 C | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 5.3 | ≤100 | APHA (2017), 4500-Norg (C), N-H3 (D) | 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 : Pethompong Kornsawat, Thanassou Namakunee
Remark :
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- "C" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * Were not included in scope of Accreditation ISO/IEC 17025.

Technical Management

N. Banphit

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Approved by

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S. Vaporn/LAL/ML/Up (1.59PH)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 221505
Date Received : Feb 02, 2022
Date Reported : Feb 10, 2022
Report Number : 2229266-2

Page 1 of 1

| Sample Number | 221505-2 | | | | | | |
|--|--|------|-----------|--------|---------------------------|------------------------------|------------------|
| Sampled Date | Feb 02, 2022 9:36 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Domestic Outlet | | | | | | |
| Date Analysis Commenced | Feb 04, 2022 | | | | | | |
| Condition of Sample | Contained in two amber glass bottles, 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 | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 6.97 | No Standard | Based on APHA (2017), 5310 B | Bangkok |
| Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017). | | | | | | | |
| Sampled By : Pichompong Korsawar, Thanassoon Namalanna | | | | | | | |
| Remark : | | | | | | | |
| - LOD : Limit of Detection | | | | | | | |
| - "L" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting) | | | | | | | |

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 : Pethompong Kornsawat, Thanassou Namakunee
Remark :
- LOD : Limit of Detection
- "C" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

N. Banphit

Narumon Banchohkit
Supervisor

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S. Vaporn/LAL/ML/Up (1.59PH)



Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 2217965

Date Received : Mar 02, 2022

Date Reported : Mar 10, 2022

Report Number : 2255380-1

Page 1 of 1

| Sample Number | 2217965-1 | | | | | |
|--|--|-----|-----------|--------|-------------------------------------|------------------|
| Sampled Date | Mar 02, 2022 10:00 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | Mar 02, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOB) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | 116 | APHA (2017), 5210 B | Rayong |
| COD | mg/L | 1.5 | 5 | 293 | APHA (2017), 5270 D | Rayong |
| Oil & Grease | mg/L | - | 3 | 3 | Based on APHA (2017), 5520 B | Rayong |
| pH at 25 degree C | - | - | - | 7.8 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature ° | Degree C | - | - | 30.8 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 404 | APHA (2017), 2540 C | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 50.4 | APHA (2017), 4500-Norg (C), NHD (D) | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 72 | APHA (2017), 2540 D | Rayong |

Sampled By : Pathompong Kornswat, Thanasoon Namakulnua

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

Technical Management

N. Banjongit

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Approved by

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Dej Changchon
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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 2217965

Date Received : Mar 02, 2022

Date Reported : Mar 10, 2022

Report Number : 2255381-1

Page 1 of 1

| Sample Number | 2217965-2 | | | | | | |
|--|--|-----|-----------|--------|---------------------------|-------------------------------------|------------------|
| Sampled Date | Mar 02, 2022 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Domestic Outlet | | | | | | |
| Date Analysis Commenced | Mar 02, 2022 | | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles 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 | 9 | ≤20 | APHA (2017), 5210 B | Rayong |
| COD | mg/L | 1.5 | 5 | 39 | ≤120 | APHA (2017), 5220 D | Rayong |
| Color (at Original pH) | ADMU | - | 5 | 27 | ≤300 | APHA (2017), 2120 F | Rayong |
| Color (at pH 7.0) | ADMU | - | 5 | 28 | ≤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 | - | - | - | 7.0 | 6.5-9.0 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature ° | Degree C | - | - | 32.0 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 344 | ≤3000 | APHA (2017), 2540 C | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 2.4 | ≤100 | APHA (2017), 4500-Norg (C), NHD (D) | 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 : Pathompong Kornswat, Thanasoon Namakulnua

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

Technical Management

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Approved by

D. Changchon

Dej Changchon
Senior Manager
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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 2217965

Date Received : Mar 02, 2022

Date Reported : Mar 09, 2022

Report Number : 2255380-2

Page 1 of 1

| | | | | | | |
|-------------------------|--|------|-----------|--------|------------------------------|------------------|
| Sample Number | 2217965-1 | | | | | |
| Sampled Date | Mar 02, 2022 10:00 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | Mar 07, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 53.0 | Based on APHA (2017), 5310 B | Bangkok |

Sampled By : Pathompong Kornswat, Thanasoon Namakulnua

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

Approved by

N. Sathong

Narin Sathong
Supervisor

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.

8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150

P/O :

Project Name : Water Testing

Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 2217965

Date Received : Mar 02, 2022

Date Reported : Mar 09, 2022

Report Number : 2255381-2

Page 1 of 1

| Sample Number | 2217965-2 | | | | | | |
|-------------------------|--|------|-----------|--------|---------------------------|------------------------------|------------------|
| Sampled Date | Mar 02, 2022 10:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Domestic Outlet | | | | | | |
| Date Analysis Commenced | Mar 07, 2022 | | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles 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 | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 7.73 | No Standard | Based on APHA (2017), 5310 B | Bangkok |

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

Sampled By : Pathompong Kornswat, Thanasoon Namakulnua

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

Approved by

N. Sathong

Narin Sathong
Supervisor

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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 2232241
Date Received : May 03, 2022
Date Reported : May 11, 2022
Report Number : 2309402-1

Page 1 of 1

| Sample Number | 2232241-1 | | | | | |
|--|--|-----|-----------|--------|-------------------------------------|------------------|
| Sampled Date | May 03, 2022 10:35 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | May 03, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | 151 | APHA (2017), 5210 B | Rayong |
| COD | mg/L | 1.5 | 5 | 461 | APHA (2017), 5220 D | Rayong |
| Oil & Grease | mg/L | - | 3 | 13 | Based on APHA (2017), 5520 B | Rayong |
| pH at 25 degree C | - | - | - | 8.0 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature * | Degree C | - | - | 29.6 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 468 | APHA (2017), 2540 C | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 91.3 | APHA (2017), 4500-Horg (C), NHD (D) | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 121 | APHA (2017), 2540 D | Rayong |

Sampled By : Pathompong Kornswat, Thanassou Namakunne

Remark :
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Technical Management

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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 2232241
Date Received : May 03, 2022
Date Reported : May 11, 2022
Report Number : 2309403-1

Page 1 of 1

| Sample Number | 2232241-2 | | | | | |
|--|--|-----|-----------|--------|---------------------------|-------------------------------------|
| Sampled Date | May 03, 2022 10:25 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Outlet | | | | | |
| Date Analysis Commenced | May 03, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method |
| Water Testing | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | 5 | ≤20 | APHA (2017), 5210 B |
| COD | mg/L | 1.5 | 5 | 24 | ≤120 | APHA (2017), 5220 D |
| Color (at Original pH) | ADHI | - | 5 | 22 | ≤300 | APHA (2017), 2120 F |
| Color (at pH 7.0) | ADHI | - | 5 | 20 | ≤300 | APHA (2017), 2120 F |
| Oil & Grease | mg/L | - | 3 | <3 | ≤5 | Based on APHA (2017), 5520 B |
| pH at 25 degree C | - | - | - | 7.4 | 5.5-9.0 | Based on APHA (2017), 4500-H (B) |
| Temperature * | Degree C | - | - | 31.3 | ≤40 | Based on APHA (2017), 2550 B |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 346 | ≤3000 | APHA (2017), 2540 C |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 2.6 | ≤100 | APHA (2017), 4500-Horg (C), NHD (D) |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 10 | ≤50 | APHA (2017), 2540 D |

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 : Pathompong Kornswat, Thanassou Namakunne

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

Technical Management

N. Banchoh

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Approved by

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S:\Report\AL_0042\1 (1.0000)



Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 2232241
Date Received : May 03, 2022
Date Reported : May 11, 2022
Report Number : 2309402-2

Page 1 of 1

| Sample Number | 2232241-1 | | | | | |
|-------------------------|--|------|-----------|--------|------------------------------|------------------|
| Sampled Date | May 03, 2022 10:35 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | May 05, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 90.1 | Based on APHA (2017), 5310 B | Bangkok |

Sampled By : Pathompong Kornswat, Thanassou Namakunne
Remark :
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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, 1-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 4512621611
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 2232241
Date Received : May 03, 2022
Date Reported : May 11, 2022
Report Number : 2309403-2

Page 1 of 1

| Sample Number | 2232241-2 | | | | | |
|-------------------------|--|------|-----------|--------|---------------------------|------------------------------|
| Sampled Date | May 03, 2022 10:25 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Outlet | | | | | |
| Date Analysis Commenced | May 05, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method |
| Water Testing | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 5.21 | No Standard | Based on APHA (2017), 5310 B |

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 : Pathompong Kornswat, Thanassou Namakunne

Remark :
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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512521611
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2255929
Date Received : Jun 08, 2022
Date Reported : Jun 16, 2022
Report Number : 2346487-1

Page 1 of 1

| Sample Number | 2255929-1 | | | | | |
|--|--|-----|-----------|--------|-------------------------------------|------------------|
| Sampled Date | Jun 08, 2022 10:05 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | 120 | APHA (2017), 5210 B | Rayong |
| COD | mg/L | 1.5 | 5 | 311 | APHA (2017), 5220 D | Rayong |
| Oil & Grease | mg/L | - | 3 | 10 | Based on APHA (2017), 5520 B | Rayong |
| pH at 25 degree C | | - | - | 7.7 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature * | Degree C | - | - | 32.0 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 436 | APHA (2017), 2540 C | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 95.5 | APHA (2017), 4500-Norg (C), N+3 (D) | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 84 | APHA (2017), 2540 D | Rayong |

Sampled By : Patchompong Kornswat, Thanassou Namakurana

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Technical Management

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Approved by

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512521611
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2255929
Date Received : Jun 08, 2022
Date Reported : Jun 16, 2022
Report Number : 2346487-2

Page 1 of 1

| Sample Number | 2255929-1 | | | | | |
|-------------------------|--|------|-----------|--------|------------------------------|------------------|
| Sampled Date | Jun 08, 2022 10:05 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 54.8 | Based on APHA (2017), 5310 B | Bangkok |

Sampled By : Patchompong Kornswat, Thanassou Namakurana
Remark :
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Approved by

S. Pungpanng

Siriluk Pungpanng
Supervisor

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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512521611
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2255929
Date Received : Jun 08, 2022
Date Reported : Jun 16, 2022
Report Number : 2346488-1

Page 1 of 1

| Sample Number | 2255929-2 | | | | | |
|--|--|-----|-----------|--------|---------------------------|-------------------------------------|
| Sampled Date | Jun 08, 2022 10:15 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Outlet | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method |
| Water Testing | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | <2 | ≤20 | APHA (2017), 5210 B |
| COD | mg/L | 1.5 | 5 | 39 | ≤120 | APHA (2017), 5220 D |
| Color (at Original pH) | ADHI | - | 5 | 29 | ≤300 | APHA (2017), 2120 F |
| Color (at pH 7.0) | ADHI | - | 5 | 29 | ≤300 | APHA (2017), 2120 F |
| Oil & Grease | mg/L | - | 3 | <3 | ≤5 | Based on APHA (2017), 5520 B |
| pH at 25 degree C | | - | - | 7.6 | 5.5-9.0 | Based on APHA (2017), 4500-H (B) |
| Temperature * | Degree C | - | - | 33.0 | ≤40 | Based on APHA (2017), 2550 B |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 432 | ≤3000 | APHA (2017), 2540 C |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 1.6 | ≤100 | APHA (2017), 4500-Norg (C), N+3 (D) |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 10 | ≤50 | APHA (2017), 2540 D |

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 : Patchompong Kornswat, Thanassou Namakurana

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Technical Management

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Approved by

D. Changchon

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
P/O : 4512521611
Project Name : Water Testing
Project Location : Map Ta Phut_Latex (SSLC)

Lot ID: 2255929
Date Received : Jun 08, 2022
Date Reported : Jun 16, 2022
Report Number : 2346488-2

Page 1 of 1

| Sample Number | 2255929-2 | | | | | |
|-------------------------|--|------|-----------|--------|---------------------------|------------------------------|
| Sampled Date | Jun 08, 2022 10:15 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Outlet | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method |
| Water Testing | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 6.70 | No Standard | Based on APHA (2017), 5310 B |

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 : Patchompong Kornswat, Thanassou Namakurana
Remark :
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Approved by

S. Pungpanng

Siriluk Pungpanng
Supervisor

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Analysis / Test Report



TESTING

No.0042

Lot ID: 2255929
 Date Received : Jun 08, 2022
 Date Reported : Jun 16, 2022
 Report Number : 2346489-1

Page 1 of 1

Client : Siam Synthetic Latex Co., Ltd.
 8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
 P/O : 4512621611
 Project Name : Water Testing
 Project Location : Map Ta Phut, Latex (SSL)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|--|-----|-----------|--------|---------------------------|----------------------------------|------------------|
| Sample Number | 2255929-3 | | | | | | |
| Sampled Date | Jun 08, 2022 9:25 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | H-305 | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Water Testing | | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | <2 | ≤20 | APHA (2017), 5210 B | Rayong |
| COO | mg/L | 1.5 | 5 | 26 | ≤120 | APHA (2017), 5220 D | Rayong |
| Color (at Original pH) | ADHI | - | 5 | 5 | ≤300 | APHA (2017), 2120 F | Rayong |
| Color (at pH 7.0) | ADHI | - | 5 | <5 | ≤300 | APHA (2017), 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤5 | Based on APHA (2017), 5520 B | Rayong |
| pH at 25 degree C | - | - | - | 6.8 | 5.5-9.0 | Based on APHA (2017), 4500-H (H) | Rayong |
| Temperature ° | Degree C | - | - | 34.2 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 432 | ≤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 : Pathompong Kornswat, Thanassou Namakunna

Remark :
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Technical Management

N. Banphit

Approved by

D. Changchon

Narumon Banphongkitt
 Supervisor
 tel:090987 7-323-9-9445

D. Changchon
 Senior Manager
 tel:090987 7-323-9-9442

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S. Waenwattana (LOR) (2.53PM)



Analysis / Test Report



TESTING

No.0042

Lot ID: 2255929
 Date Received : Jun 08, 2022
 Date Reported : Jun 16, 2022
 Report Number : 2346490-1

Page 1 of 1

Client : Siam Synthetic Latex Co., Ltd.
 8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
 P/O : 4512621611
 Project Name : Water Testing
 Project Location : Map Ta Phut, Latex (SSL)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|--|-----|-----------|--------|---------------------------|----------------------------------|------------------|
| Sample Number | 2255929-4 | | | | | | |
| Sampled Date | Jun 08, 2022 9:50 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | H-307 | | | | | | |
| Date Analysis Commenced | Jun 08, 2022 | | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Water Testing | | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | <2 | ≤20 | APHA (2017), 5210 B | Rayong |
| COO | mg/L | 1.5 | 5 | 27 | ≤120 | APHA (2017), 5220 D | Rayong |
| Color (at Original pH) | ADHI | - | 5 | 19 | ≤300 | APHA (2017), 2120 F | Rayong |
| Color (at pH 7.0) | ADHI | - | 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 | - | - | - | 7.8 | 5.5-9.0 | Based on APHA (2017), 4500-H (H) | Rayong |
| Temperature ° | Degree C | - | - | 30.3 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 188 | ≤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 : Pathompong Kornswat, Thanassou Namakunna

Remark :
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Technical Management

N. Banphit

Approved by

D. Changchon

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S. Waenwattana (LOR) (2.53PM)



Analysis / Test Report

Lot ID: 2255929

Client : Siam Synthetic Latex Co., Ltd.
 8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
 P/O : 4512621611
 Project Name : Water Testing
 Project Location : Map Ta Phut, Latex (SSL)

Date Received : Jun 08, 2022
 Date Reported : Jun 16, 2022
 Report Number : 2346489-2

Page 1 of 1

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-------------------------|--|------|-----------|--------|---------------------------|------------------------------|------------------|
| Sample Number | 2255929-3 | | | | | | |
| Sampled Date | Jun 08, 2022 9:25 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | H-306 | | | | | | |
| Date Analysis Commenced | Jun 09, 2022 | | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 7.83 | No Standard | Based on APHA (2017), 5310 B | Bangkok |

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

Remark :
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Approved by

S. Pungang

Siriluk Pungang
 Supervisor

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Analysis / Test Report

Lot ID: 2255929

Client : Siam Synthetic Latex Co., Ltd.
 8, Map Ta Phut Industrial Estate, I-4 Road, Map ta phut, Muang, Rayong Thailand 21150
 P/O : 4512621611
 Project Name : Water Testing
 Project Location : Map Ta Phut, Latex (SSL)

Date Received : Jun 08, 2022
 Date Reported : Jun 16, 2022
 Report Number : 2346490-2

Page 1 of 1

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-------------------------|--|------|-----------|--------|---------------------------|------------------------------|------------------|
| Sample Number | 2255929-4 | | | | | | |
| Sampled Date | Jun 08, 2022 9:50 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | H-307 | | | | | | |
| Date Analysis Commenced | Jun 09, 2022 | | | | | | |
| Condition of Sample | Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Water Testing | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 7.32 | No Standard | Based on APHA (2017), 5310 B | Bangkok |

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

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

Approved by

S. Pungang

Siriluk Pungang
 Supervisor

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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map to phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 21145034
Date Received : Jan 19, 2022
Date Reported : Jan 27, 2022
Report Number : 2215865-1

Page 1 of 1

| Sample Number | 21145034-1 | | | | | |
|--|--|-----|-----------|--------|-------------------------------------|------------------|
| Sampled Date | Jan 19, 2022 9:50 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | Jan 19, 2022 | | | | | |
| Condition of Sample | Contained in two amber glass bottles, three plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| BOD (5 days at 20 Degree C) | mg/L | - | 2 | 89 | APHA (2017), 5210 B | Rayong |
| COD | mg/L | 1.5 | 5 | 231 | APHA (2017), 5220 D | Rayong |
| Oil & Grease | mg/L | - | 3 | 9 | Based on APHA (2017), 5520 B | Rayong |
| pH at 25 degree C | - | - | - | 7.9 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature * | Degree C | - | - | 28.5 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 390 | APHA (2017), 2540 C | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | <1.0 | APHA (2017), 4500-Norg (C), NH3 (D) | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 94 | APHA (2017), 2540 D | Rayong |

Sampled By : Wanlop Hunchainaw, Thanassun Namakunne

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

Technical Management

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Analysis / Test Report

TESTING
No.0042

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map to phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 21145034
Date Received : Jan 19, 2022
Date Reported : Jan 27, 2022
Report Number : 2215866-1

Page 1 of 1

| Sample Number | 21145034-2 | | | | | | |
|--|--|-----|-----------|--------|---------------------------|-------------------------------------|------------------|
| Sample Date | Jan 19, 2022 9:40 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Domestic Outlet | | | | | | |
| Date Analysis Commenced | Jan 19, 2022 | | | | | | |
| Condition of Sample | Contained in two amber glass bottles, 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 | <2 | ≤20 | APHA (2017), 5210 B | Rayong |
| COD | mg/L | 1.5 | 5 | 28 | ≤120 | APHA (2017), 5220 D | Rayong |
| Color (at Original pH) | ADNI | - | 5 | 17 | ≤300 | APHA (2017), 2120 F | Rayong |
| Color (at pH 7.0) | ADNI | - | 5 | 16 | ≤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 | - | - | - | 7.2 | 5.5-9.0 | Based on APHA (2017), 4500-H (B) | Rayong |
| Temperature * | Degree C | - | - | 30.1 | ≤40 | Based on APHA (2017), 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 294 | ≤3000 | APHA (2017), 2540 C | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 2.2 | ≤100 | APHA (2017), 4500-Norg (C), NH3 (D) | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 6 | ≤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 Hunchainaw, Thanassun Namakunne

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

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map to phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 21145034
Date Received : Jan 19, 2022
Date Reported : Jan 27, 2022
Report Number : 2215865-2

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| | | | | | | |
|--|--|------|-----------|--------|------------------------------|------------------|
| Sample Number | 21145034-1 | | | | | |
| Sampled Date | Jan 19, 2022 9:30 AM | | | | | |
| Sample Description | Wastewater | | | | | |
| Location | Domestic Inlet | | | | | |
| Date Analysis Commenced | Jan 21, 2022 | | | | | |
| Condition of Sample | Contained in two amber glass bottles, three plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Method | Testing Location |
| Water Testing | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 30.1 | Based on APHA (2017), 5310 B | Bangkok |
| Sampled By : Wanlop Hunchaisaew, Thanassou Namakunye | | | | | | |
| Remark : <ul style="list-style-type: none">- LOD : Limit of Detection- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting) | | | | | | |

Sampled By : Wanlop Hunchainaw, Thanassun Namakunne

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

Approved by

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Supervisor

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Analysis / Test Report

Client : Siam Synthetic Latex Co., Ltd.
8, Map Ta Phut Industrial Estate, I-4 Road, Map to phut, Muang, Rayong Thailand 21150
P/O :
Project Name : Water Testing
Project Location : Map Ta Phut, Latex (SSLC)

Lot ID: 21145034
Date Received : Jan 19, 2022
Date Reported : Jan 27, 2022
Report Number : 2215866-2

Page 1 of 1

| | | | | | | | |
|---|--|------|-----------|--------|---------------------------|------------------------------|------------------|
| Sample Number | 21145034-2 | | | | | | |
| Sampled Date | Jan 19, 2022 9:40 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | Domestic Outlet | | | | | | |
| Date Analysis Commenced | Jan 21, 2022 | | | | | | |
| Condition of Sample | Contained in two amber glass bottles, 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 | | | | | | | |
| Total Organic Carbon | mg/L | 0.01 | 0.1 | 4.96 | No Standard | Based on APHA (2017), 5310 B | Bangkok |
| Guideline: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017). | | | | | | | |
| Sampled By : Winich Hanchaineev, Thanoson Nemsakunta | | | | | | | |
| Remark: | | | | | | | |
| - LOD : Limit of Detection | | | | | | | |
| - <LOQ : Lower than LOQ (Limit of Quantification) / LOR (Limit of Reporting) | | | | | | | |

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 Hunchainaw, Thanassun Namakunne

Remark :
- LOD : Limit of Detection
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