**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 6)**
**Federal Operating Permit Program**
**Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/29/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Construction/ Modification Date | Heat Input Capacity | Subpart Da | Changes to Existing Affected Facility | Subpart Ea, Eb, AAAA, or CCCC | Subpart KKKK | Subpart Cb or BBBB | Temporary Boiler |
|---|---|---|---|---|---|---|---|---|---|
| HS-220 | 60DB-3 | 05+CR | 100-250 | NO | NO | NO | NO | NO | NO |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 7)**
**Federal Operating Permit Program**
**Table 3b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/29/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | D-Series Fuel Type | D-Series Fuel Type | D-Series Fuel Type | Subpart D | Additional Applicability Requirement | ACF Option $SO_2$ | ACF Option PM | ACF Option $NO_X$ |
|---|---|---|---|---|---|---|---|---|---|
| HS-220 | 60DB-3 | NG | BPW | | | NONE | OTHR | OTHR | OTHR |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 8)**
**Federal Operating Permit Program**
**Table 3c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/29/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | 60.42b (k)(2) Low Sulfur Exemption | 60.42b (k)(4) Alternative | Post-Combustion Control | 60.43b(h)(2) Alternative | Electrical or Mechanical Output | Output Based Limit | 60.49 Da(n) Alternative | 60.49 Da(m) Alternative |
|---|---|---|---|---|---|---|---|---|---|
| HS-220 | 60DB-3 | NO | | | | NO | | | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 9)**
**Federal Operating Permit Program**
**Table 3d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/29/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Residual Oil Sampling | Monitoring Type PM | Monitoring Type PM (Opacity) | Monitoring Type $NO_X$ | Monitoring Type $SO_2$ | Technology Type | Unit Type | Heat Release Rate | Heat Input Gas/Oil | Heat Input Wood | Fuel Heat Input |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HS-220 | 60DB-3 | | NONE | NONE | CEM | NONE | CONV | OTHER | NGLOW | YES | | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 10)**
**Federal Operating Permit Program**
**Table 3e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/29/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Alternate Emission Limit (AEL) | AEL ID. NO. |
|---|---|---|---|
| HS-220 | 60DB-3 | NO | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 6)**
**Federal Operating Permit Program**
**Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/5/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Construction/ Modification Date | Heat Input Capacity | Subpart Da | Changes to Existing Affected Facility | Subpart Ea, Eb, AAAA, or CCCC | Subpart KKKK | Subpart Cb or BBBB | Temporary Boiler |
|---|---|---|---|---|---|---|---|---|---|
| HS-220 | 60DB-3 | 05+CR | 100-250 | NO | NO | NO | NO | NO | NO |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 7)**
**Federal Operating Permit Program**
**Table 3b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/5/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | D-Series Fuel Type | D-Series Fuel Type | D-Series Fuel Type | Subpart D | Additional Applicability Requirement | ACF Option $SO_2$ | ACF Option PM | ACF Option $NO_X$ |
|---|---|---|---|---|---|---|---|---|---|
| HS-220 | 60DB-3 | NG | BPW | | | | OTHR | OTHR | OTHR |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 8)**
**Federal Operating Permit Program**
**Table 3c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/5/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | 60.42b (k)(2) Low Sulfur Exemption | 60.42b (k)(4) Alternative | Post-Combustion Control | 60.43b(h)(2) Alternative | Electrical or Mechanical Output | Output Based Limit | 60.49 Da(n) Alternative | 60.49 Da(m) Alternative |
|---|---|---|---|---|---|---|---|---|---|
| HS-220 | 60DB-3 | | | | | NO | | | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 9)**
**Federal Operating Permit Program**
**Table 3d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/5/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Residual Oil Sampling | Monitoring Type PM | Monitoring Type PM (Opacity) | Monitoring Type $NO_X$ | Monitoring Type $SO_2$ | Technology Type | Unit Type | Heat Release Rate | Heat Input Gas/Oil | Heat Input Wood | Fuel Heat Input |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HS-220 | 60DB-3 | | NONE | NONE | CEM | NONE | CONV | OTHER | NGLOW | YES | | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 10)**
**Federal Operating Permit Program**
**Table 3e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 5/5/2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Alternate Emission Limit (AEL) | AEL ID. NO. |
|---|---|---|---|
| HS-220 | 60DB-3 | NO | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 43)**
**Federal Operating Permit Program**
**Table 19a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| February 26, 2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Vessel Type | Group 1 Vessel | Alternative Means of Control | AMOC ID No. |
|---|---|---|---|---|---|
| B1100 | 63JJJ-1 | STOR | YES | | |
| B1200 | 63JJJ-5 | STOR | NO | NO | |
| B2500 | 63JJJ-5 | STOR | NO | NO | |
| B2504 | 63JJJ-5 | STOR | NO | NO | |
| B2508 | 63JJJ-5 | STOR | NO | NO | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 44)**
**Federal Operating Permit Program**
**Table 19b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| February 26, 2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Construction/ Modification Date | TPPU Product | Storage Vessel Capacity | Vapor Pressure | Maximum HAP TVP | Emission Control Type | Seal Type |
|---|---|---|---|---|---|---|---|---|
| B1100 | 63JJJ-1 | | | | | | | |
| B1200 | 63JJJ-5 | 1995+ | SANC | 151- | 10- | 11.11- | CVS-CD | |
| B2500 | 63JJJ-5 | 1995+ | ASA | | | | | |
| B2504 | 63JJJ-5 | 1995+ | ASA | | | | | |
| B2508 | 63JJJ-5 | 1995+ | ASA | | | | | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 45)**
**Federal Operating Permit Program**
**Table 19c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| February 26, 2025 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Closed Vent System | Hard Piping | Bypass Lines | Control Device Type | Control Device ID No. | Control Device Design | Design Evaluation Submitted |
|---|---|---|---|---|---|---|---|---|
| B1100 | 63JJJ-1 | | | | | | | |
| B1200 | 63JJJ-5 | SUBTG | YES | NONE | ENCL/FLARE | RTO/ MTFLARE | | |
| B2500 | 63JJJ-5 | | | | | | | |
| B2504 | 63JJJ-5 | | | | | | | |
| B2508 | 63JJJ-5 | | | | | | | |
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INEOS STYROLUTION

INEOS Styrolution America LLC
12222 Port Road
Pasadena, TX 77507
ineos-styrolution.com

July 24, 2024

**SUBMITTED VIA STEERS**

Ms. Cierra Smalley
Texas Commission on Environmental Quality
Air Permits Division, MC163
P. O. Box 13087
Austin, Texas 78711-3087

**Subject: Response to Request for Title V Form Updates**
**INEOS Styrolution America, LLC – Bayport Facility**
**Regulated Entity Number: RN100542224**
**Customer Number: CN603252479**
**Permit No. O1625**

Dear Ms. Smalley:

This letter will serve as INEOS Styrolution America LLC's (INEOS)' response to your email, dated July 17, 2024, requesting updates to certain forms submitted in INEOS' 2023 Title V Permit Amendment Application. The format of this letter includes your original comment on the application (in bold) followed by INEOS' response to that comment.

1. **Application form OP-UA02 (Page 4), Table 2a must be revised and resubmitted as there was no response given for "Stationary RICE Type" for units 802A, 802B, 802S, and 115 and this question requires a response.**

   Form OP-UA2, Table 2a was revised as requested, and the updated form has been included with this letter.

2. **Application form OP-UA03 (Page 44), Table 19b must be revised and resubmitted as the response given for "Seal Type" for units B1100, B1200, B2500, B2504 and B2508 is not an applicable option.**

   Form OP-UA3, Table 19b was revised as requested. As part of this review, INEOS is also revising Tables 19a and 19c. All three revised tables have been included with this letter. V1803 was removed because it does not meet the regulatory definition of a storage vessel in 40 CFR 63.1312 and was mistakenly included by the consultant that prepared the original submittal. We went back through the instructions to make sure the tables were completed correctly for the applicable storage vessels.

3. **Application form OP-UA03 (Page 3), Table 3 must be revised and resubmitted as the response given for "Maximum TVP" for unit B9834 is not an applicable option.**

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Form OP-UA3, Table 3 was revised to correct the storage capacity, and Tank B1200 was added. Therefore, revised Form OP-UA3 Tables 4a and 4b have also been included with this letter. We also corrected the control device information for Tank B1100 that you requested today.

4. **Application form OP-UA15 (Page 24), Table 10b must be revised and resubmitted because no response should be recorded for "Halogenated" for any of the units. Additionally, for units E3042 and E3404, attributes must be selected for "HAP Concentration" and "Flow Rate" if "TRE Index Value" has an applicable attribute. I also think that for units E3042 and E3404 tables 10c and 10d may need to be omitted. Please carefully re-review all of the attributes for SOP index numbers 63JJJPV-1, 63JJJPV-2 and 63JJJPV-3 to ensure accuracy.**

   Form OP-UA15, Tables 10b – 10d were reviewed and revised as needed.

The response to the first question was completed by Staci Duhon, and the responses to the remaining questions were completed by Wendy Gram. Please contact Staci Duhon, Environmental Engineer, at staci.duhon@ineos.com or Wendy Gram, Senior Environmental Engineer, at wendy.gram@ineos.com, if you have any questions or require additional information concerning this response.

Sincerely,

Terrence Trevino
Site Director – Gulf Coast Styrene
INEOS Styrolution America LLC

cc: TCEQ Region 12
5425 Polk Street, Suite H
Houston, Texas 77023-1452
Certified Receipt No. 7019 2970 0000 5730 4961

United States Environmental Protection Agency, Region VI
R6AirPermitsTX@epa.gov

**Stationary Reciprocating Internal Combustion Engine Attributes**
**Form OP-UA2 (Page 4)**
**Federal Operating Permit Program**
**Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| Revised 7/23/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | HAP Source | Brake HP | Construction/ Reconstruction Date | Nonindustrial Emergency Engine | Service Type | Stationary RICE Type |
|---|---|---|---|---|---|---|---|
| **EmergeGen** | **63ZZZZ-2** | **MAJOR** | **500+** | **06+** | | **EMER-A** | |
| **115** | **63ZZZZ-3** | **MAJOR** | **300-500** | **02-** | | **EMER-A** | **CI** |
| **802A** | **63ZZZZ-3** | **MAJOR** | **300-500** | **02-** | | **EMER-A** | **CI** |
| **802B** | **63ZZZZ-3** | **MAJOR** | **300-500** | **02-** | | **EMER-A** | **CI** |
| **802S** | **63ZZZZ-3** | **MAJOR** | **300-500** | **02-** | | **EMER-A** | **CI** |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 43)**
**Federal Operating Permit Program**
**Table 19a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/21/2023 (revised 7/23/2024) | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Vessel Type | Group 1 Vessel | Alternative Means of Control | AMOC ID No. |
|---|---|---|---|---|---|
| B1100 | 63JJJ-1 | STOR | YES | | |
| B1100 | 63JJJ-2 | STOR | YES | | |
| B1100 | 63JJJ-7 | STOR | YES | | |
| B1100 | 63JJJ-8 | STOR | YES | | |
| B1200 | 63JJJ-5 | STOR | NO | NO | |
| B1200 | 63JJJ-6 | STOR | NO | NO | |
| B2500 | 63JJJ-5 | STOR | NO | NO | |
| B2500 | 63JJJ-6 | STOR | NO | NO | |
| B2504 | 63JJJ-5 | STOR | NO | NO | |
| B2504 | 63JJJ-6 | STOR | NO | NO | |
| B2508 | 63JJJ-5 | STOR | NO | NO | |
| B2508 | 63JJJ-6 | STOR | NO | NO | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 44)**
**Federal Operating Permit Program**
**Table 19b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **2/21/2023 (revised 7/23/2024)** | **O1625** | **RN100542224** |

| Unit ID No. | SOP Index No. | Construction/ Modification Date | TPPU Product | Storage Vessel Capacity | Vapor Pressure | Maximum HAP TVP | Emission Control Type | Seal Type |
|---|---|---|---|---|---|---|---|---|
| B1100 | 63JJJ-1 | 1995+ | SANC | 151- | 10+ | | IFR, CVS-CD | |
| B1100 | 63JJJ-2 | 1995+ | SANC | 151- | 10+ | | IFR, CVS-CD | |
| B1100 | 63JJJ-7 | 1995+ | ASA | | | 11.11- | IFR, CVS-CD | |
| B1100 | 63JJJ-8 | 1995+ | ASA | | | 11.11- | IFR, CVS-CD | |
| B1200 | 63JJJ-5 | 1995+ | SANC | 151- | 10- | 11.11- | CVS-CD | |
| B1200 | 63JJJ-6 | 1995+ | SANC | 151- | 10- | 11.11- | CVS-CD | |
| B2500 | 63JJJ-5 | 1995+ | ASA | | | 11.11- | CVS-CD | |
| B2500 | 63JJJ-6 | 1995+ | ASA | | | 11.11- | CVS-CD | |
| B2504 | 63JJJ-5 | 1995+ | ASA | | | 11.11- | CVS-CD | |
| B2504 | 63JJJ-6 | 1995+ | ASA | | | 11.11- | CVS-CD | |
| B2508 | 63JJJ-5 | 1995+ | ASA | | | 11.11- | CVS-CD | |
| B2508 | 63JJJ-6 | 1995+ | ASA | | | 11.11- | CVS-CD | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 45)**
**Federal Operating Permit Program**
**Table 19c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **2/21/2023 (revised 7/23/2024)** | **O1625** | **RN100542224** |

| Unit ID No. | SOP Index No. | Closed Vent System | Hard Piping | Bypass Lines | Control Device Type | Control Device ID No. | Control Device Design | Design Evaluation Submitted |
|---|---|---|---|---|---|---|---|---|
| B1100 | 63JJJ-1 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B1100 | 63JJJ-2 | SUBPTG | YES | NONE | FLARE | MTFLARE | | |
| B1100 | 63JJJ-7 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B1100 | 63JJJ-8 | SUBPTG | YES | NONE | FLARE | MTFLARE | | |
| B1200 | 63JJJ-5 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B1200 | 63JJJ-6 | SUBPTG | YES | NONE | FLARE | MTFLARE | | |
| B2500 | 63JJJ-5 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B2500 | 63JJJ-6 | SUBPTG | YES | NONE | FLARE | MTFLARE | | |
| B2504 | 63JJJ-5 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B2504 | 63JJJ-6 | SUBPTG | YES | NONE | FLARE | MTFLARE | | |
| B2508 | 63JJJ-5 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B2508 | 63JJJ-6 | SUBPTG | YES | NONE | FLARE | MTFLARE | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 3)**
**Federal Operating Permit Program**
**Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels**
**(Including Petroleum Liquid Storage Vessels)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **2/1/2023 (revised 7/23/2024)** | **O1625** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Product Stored | Storage Capacity | WW Tank Control | Maximum TVP | Storage Vessel Description | AMEL ID No. | Guidepole | Reid Vapor Pressure | Control Device ID No. |
|---|---|---|---|---|---|---|---|---|---|---|
| B1100 | 60KB-4 | VOL | 20K-40K | NONE | 2.2- | | | | | |
| B1200 | 60KB-4 | VOL | 20K-40K | NONE | 2.2- | | | | | |
| B1400 | 60KB-4 | VOL | 20K-40K | NONE | 2.2- | | | | | |
| B1500 | 60KB-4 | VOL | 20K-40K | NONE | 2.2- | | | | | |
| B1600 | 60KB-5 | VOL | 10K-20K | | | | | | | |
| V1803 | 60KB-6 | WASTE | 10K- | | | | | | | |
| DieselTk | 60KB-6 | VOL | 10K- | | | | | | | |
| V9820 | 60KB-6 | WASTE | 10K- | | | | | | | |
| V9840 | 60KB-6 | WASTE | 10K-20K | | | | | | | |
| B9834 | 60KB-1 | WASTE | 40K+ | NONE | 0.5- | | | | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 4)**
**Federal Operating Permit Program**
**Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Storage of Volatile Organic Compounds (VOCs)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **2/1/2023 (revised 7/23/2024)** | **01625** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Alternate Control Requirement | ACR ID No. | Product Stored | Storage Capacity | Throughput | Potential to Emit | Uncontrolled Emissions |
|---|---|---|---|---|---|---|---|---|
| B1100 | R5112-10 | NO | | VOC1 | A25K-40K | | | |
| B1200 | R5112-8 | NO | | VOC1 | A1K-25K | | | |
| B1400 | R5112-8 | NO | | VOC1 | A1K-25K | | | |
| B1500 | R5112-8 | NO | | VOC1 | A1K-25K | | | |
| B1600 | R5112-8 | NO | | VOC1 | A1K-25K | | | |
| V1803 | R5112-6 | NO | | VOC1 | A1K-25K | | | |
| DieselTk | R5112-8 | NO | | VOC1 | A1K-25K | | | |
| V9820 | R5112-11 | NO | | VOC1 | A1K-25K | | | |
| V9840 | R5112-11 | NO | | VOC1 | A1K-25K | | | |
| B9834 | R5112-12 | NO | | VOC1 | A40K+ | | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 5)**
**Federal Operating Permit Program**
**Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Storage of Volatile Organic Compounds (VOCs)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **2/1/2023 (revised 7/23/2024)** | **01625** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Construction Date | Tank Description | True Vapor Pressure | Primary Seal | Secondary Seal | Control Device Type | Control Device ID No. |
|---|---|---|---|---|---|---|---|---|
| B1100 | R5112-10 | | IFRVRS1 | 1.5+A | | | DIRINC | RTO |
| B1100 | R5112-9 | | IFRVRS1 | 1.5+A | | | FLARE | MTFLARE |
| B1200 | R5112-8 | | VRS1 | 1- | | | | |
| B1400 | R5112-8 | | VRS1 | 1- | | | | |
| B1500 | R5112-8 | | VRS1 | 1- | | | | |
| B1600 | R5112-8 | | NONE1 | 1- | | | | |
| V1803 | R5112-6 | | VRS1 | 1- | | | | |
| DieselTk | R5112-8 | | NONE1 | 1- | | | | |
| V9820 | R5112-11 | | VRS1 | 1- | | | | |
| V9840 | R5112-11 | | VRS1 | 1- | | | | |
| B9834 | R5112-12 | | VRS1 | 1- | | | | |

**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 23)**
**Federal Operating Permit Program**
**Table 10a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Continuous Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **2/1/2023 (revised 7/23/2024)** | **O1625** | **RN100542224** |

| Emission Point ID No. | SOP Index No. | Construction/ Modification Date | Thermoplastic Produced | PET Process | Vent Section | Compliance Option |
|---|---|---|---|---|---|---|
| R2600 | 63JJJPV-1 | 1995+ | ASA | | | |
| R2620 | 63JJJPV-1 | 1995+ | ASA | | | |
| R2700 | 63JJJPV-1 | 1995+ | ASA | | | |
| R2720 | 63JJJPV-1 | 1995+ | ASA | | | |
| E3042 | 63JJJPV-2 | 1995+ | SAN | | | |
| E3042 | 63JJJPV-3 | 1995+ | SAN | | | |
| E3404 | 63JJJPV-2 | 1995+ | SAN | | | |
| E3404 | 63JJJPV-3 | 1995+ | SAN | | | |
| | | | | | | |
| | | | | | | |

**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 24)**
**Federal Operating Permit Program**
**Table 10b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Continuous Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 (revised 7/23/2024) | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Vent Stream Type | Routed to Recovery | Stream Group Status | HAP Concentration | Flow Rate | TRE Index Value | Halogenated |
|---|---|---|---|---|---|---|---|---|
| R2600 | 63JJJPV-1 | CONT | | GRP2 | 50+ | 5+ | 4+ | |
| R2620 | 63JJJPV-1 | CONT | | GRP2 | 50+ | 5+ | 4+ | |
| R2700 | 63JJJPV-1 | CONT | | GRP2 | 50+ | 5+ | 4+ | |
| R2720 | 63JJJPV-1 | CONT | | GRP2 | 50+ | 5+ | 4+ | |
| E3042 | 63JJJPV-2 | CONT | | GRP1 | | | | |
| E3042 | 63JJJPV-3 | CONT | | GRP1 | | | | |
| E3404 | 63JJJPV-2 | CONT | | GRP1 | | | | |
| E3404 | 63JJJPV-3 | CONT | | GRP1 | | | | |
| | | | | | | | | |
| | | | | | | | | |

**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 25)**
**Federal Operating Permit Program**
**Table 10c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Continuous Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **2/1/2023 (revised 7/23/2024)** | **O1625** | **RN100542224** |

| Emission Point ID No. | SOP Index No. | Halogen Reduction Device | Installation Date | Control Device | Control Device ID No. |
|---|---|---|---|---|---|
| R2600 | 63JJJPV-1 | | | | |
| R2620 | 63JJJPV-1 | | | | |
| R2700 | 63JJJPV-1 | | | | |
| R2720 | 63JJJPV-1 | | | | |
| E3042 | 63JJJPV-2 | | | INCIN | RTO |
| E3042 | 63JJJPV-3 | | | FLARE | MTFLARE |
| E3404 | 63JJJPV-2 | | | INCIN | RTO |
| E3404 | 63JJJPV-3 | | | FLARE | MTFLARE |
| | | | | | |
| | | | | | |

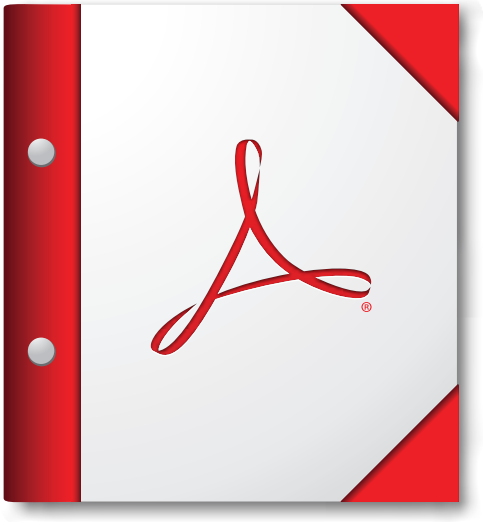
**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 26)**
**Federal Operating Permit Program**
**Table 10d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Continuous Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 (revised 7/23/2024) | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Performance Test | Alternate Monitoring Parameters | AMP ID No. | Alternate Continuous Monitoring Requested | Alt Continuous Monitoring ID No. | Bypass Lines | Flow Indicator |
|---|---|---|---|---|---|---|---|---|
| R2600 | 63JJJPV-1 | | | | | | | |
| R2620 | 63JJJPV-1 | | | | | | | |
| R2700 | 63JJJPV-1 | | | | | | | |
| R2720 | 63JJJPV-1 | | | | | | | |
| E3042 | 63JJJPV-2 | NO | NO | | | | NO | |
| E3042 | 63JJJPV-3 | NO | NO | | | | NO | |
| E3404 | 63JJJPV-2 | NO | NO | | | | NO | |
| E3404 | 63JJJPV-3 | NO | NO | | | | NO | |
| | | | | | | | | |
| | | | | | | | | |

# Logic Request

| Permit Engineer | Start Date | IMS Tracking Number | IMS Project Number | Unit Number: | SOP ID: | OP_UA_Form: | Air_Regulation: | Permit Engineer Notes |
|---|---|---|---|---|---|---|---|---|
| Csmalley | 8/21/2024 | 3914 | 36133 | | | | | |
| Csmalley | 8/21/2024 | 3914 | 36133 | | | | | |
| Csmalley | 8/21/2024 | 3914 | 36133 | | | | | |
| Csmalley | 8/21/2024 | 3914 | 36133 | | | | | |
| Csmalley | 8/21/2024 | 3914 | 36133 | | | | | |
| Csmalley | 8/21/2024 | 3914 | 36133 | | | | | |
| Csmalley | 8/21/2024 | 3914 | 36133 | B1100 | 63JJJ-1 | OP-UA3 | 40 CFR Part 63, Subpart JJJ: Storage Tanks | Hollow Solution Set |
| Csmalley | 8/21/2024 | 3914 | 36133 | B1100 | 63JJJ-2 | OP-UA3 | 40 CFR Part 63, Subpart JJJ: Storage Tanks | Hollow Solution Set |
| Csmalley | 8/21/2024 | 3914 | 36133 | B1100 | 63JJJ-7 | OP-UA3 | 40 CFR Part 63, Subpart JJJ: Storage Tanks | Hollow Solution Set |
| Csmalley | 8/21/2024 | 3914 | 36133 | B1100 | 63JJJ-8 | OP-UA3 | 40 CFR Part 63, Subpart JJJ: Storage Tanks | Hollow Solution Set |
| Csmalley | 8/21/2024 | 3914 | 36133 | E3042 | 63JJJPV-2 | OP-UA15 | 40 CFR Part 63, Subpart JJJ: Continuous Process Vents | Hollow Solution Set |
| Csmalley | 8/21/2024 | 3914 | 36133 | R2600 | 63JJJPV-1 | OP-UA15 | 40 CFR Part 63, Subpart JJJ: Continuous Process Vents | Hollow Solution Set |



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| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **7/31/2025** | **O1625** | **RN100542224** |

For SOP applications, answer ALL questions unless otherwise directed.
♦ For GOP applications, answer ONLY these questions unless otherwise directed.

| | | | |
|---|---|---|---|
| **XII.** | **New Source Review (NSR) Authorizations (continued)** | | |
| | **B.** | **Air Quality Standard Permits (continued)** | |
| ♦ | 11. | The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization. | ☐ Yes ☐ No |
| ♦ | 12. | The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization.<br>*If the response to XII.B.12 is "No," go to Question XII.B.15.* | ☐ Yes ☐ No |
| ♦ | 13. | For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region. | ☐ Yes ☐ No |
| ♦ | 14. | For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region. | ☐ Yes ☐ No |
| ♦ | 15. | The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization. | ☐ Yes ☐ No |
| ♦ | 16. | The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization. | ☐ Yes ☐ No |
| | **C.** | **Flexible Permits** | |
| | 1. | The application area includes at least one Flexible Permit NSR authorization. | ☐ Yes ☒ No |
| | **D.** | **Multiple Plant Permits** | |
| | 1. | The application area includes at least one Multi-Plant Permit NSR authorization. | ☐ Yes ☒ No |

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 7/31/2025 | 01625 | RN10054224 |

For SOP applications, answer ALL questions unless otherwise directed.
♦ For GOP applications, answer ONLY these questions unless otherwise directed.

**XII. NSR Authorizations (Attach additional sheets if necessary for sections XII.E-J.)**

**E. PSD Permits and PSD Major Pollutants**

| Permit No. | Issuance Date | Pollutant(s): | Permit No. | Issuance Date | Pollutant(s): |
|---|---|---|---|---|---|
| | | | | | |
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| | | | | | |
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*If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.*

**F. Nonattainment (NA) Permits and NA Major Pollutants**

| Permit No. | Issuance Date | Pollutant(s): | Permit No. | Issuance Date | Pollutant(s): |
|---|---|---|---|---|---|
| | | | | | |
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*If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.*

**G. NSR Authorizations with FCAA § 112(g) Requirements**

| NSR Permit No. | Issuance Date | NSR Permit No. | Issuance Date | NSR Permit No | Issuance Date |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
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| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **07/31/2025** | **O1625** | **RN100542224** |

For SOP applications, answer ALL questions unless otherwise directed.
♦ For GOP applications, answer ONLY these questions unless otherwise directed.

**XII. NSR Authorizations (continued) - (Attach additional sheets if necessary for sections XII.E-J.)**

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

| Authorization No. | Issuance Date | Authorization No. | Issuance Date | Authorization No. | Issuance Date |
|---|---|---|---|---|---|
| 150950 | 6/27/2024 | | | | |
| 5252 | 3/4/2025 | | | | |
| | | | | | |
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♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**

*A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.*

| PBR No. | Version No./Date | PBR No. | Version No./Date | PBR No. | Version No./Date |
|---|---|---|---|---|---|
| 106.261 | 11/1/2003 | 51 | 5/4/1994 | | |
| 106.262 | 11/1/2003 | 118 | 5/4/1994 | | |
| 106.263 | 11/1/2001 | | | | |
| 106.264 | 09/04/2000 | | | | |
| 106.433 | 09/04/2000 | | | | |
| 106.452 | 09/04/2000 | | | | |
| 106.472 | 09/04/2000 | | | | |
| 106.476 | 09/04/2000 | | | | |

♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits with an Air Addendum**

| Permit No. | Issuance Date | Permit No. | Issuance Date | Permit No. | Issuance Date |
|---|---|---|---|---|---|
| | | | | | |
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**Permit By Rule Supplemental Table (Page 1)**
**Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **7/31/2025** | **O1625** | **RN100542224** |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|---|---|---|---|
| Dry Abrasive Cleaning | 55768 | 106.452 | 7/30/2003 |
| FUGPAINT | 76216 | 106.433 | 7/8/2005 |
| FUG-VOC | 89124 | 106.262 | 6/30/2009 |
| Drum | 91703 | 106.262 | 2/11/2010 |
| FUG-HRVOC (ethylene)<br>FUG-BZ (benzene) | 114165 | 106.262 | 1/15/2014 |
| FL | 151069 | 106.264 | 3/26/2018 |
| CTOTANK | 151153 | 106.262 | 4/26/2018 |
| FUG-HRVOC/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 164616 | 106.261, 106.262 | 4/21/2021 |
| Temp TT LD/TempFUG | 167423 | 106.261, 106.262 | 1/20/2022 |
| FUG-NH3/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 168481 | 106.262 | 4/15/2022 |

**Permit By Rule Supplemental Table (Page 1)**
**Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **7/31/2025** | **O1625** | **RN100542224** |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|---|---|---|---|
| MT-307 Storage tank | 112233 | Standard Exemption 51 | 6/24/1994 |
| ~~MT-307 Unit tank~~ | ~~112233~~ | ~~Standard Exemption 51~~ | ~~6/24/1994~~ |
| Reactor Replacement (increase size), Heat Exchanger replacement, desuperheater installation, and 3rd vent compressor | ~~23151~~<br>**23515** | Standard Exemption 118 | 5/20/1994 |
| FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 172279 | 106.261, 106.262 | 05/09/2023 |
| D5000 and D5040, VLP SAN Storage Silos<br>V5531 and V5541, ASA Feed Hoppers<br>S5610 ASA Extruder<br>D5708 ASA Pelletizer<br>D7500, D7510, D7520, ASA Blending Silos<br>V5581, ASA Rework Hopper | 173796 | 106.261, 106.262 | 09/19/2023 |
| TEMP EB LD<br>FUG-VOC/Fugitives | 174454 | 106.262 | 11/15/2023 |
| FUG-VOC/Fugitives | 175935 | 106.261, 106.262 | 04/08/2024 |
| **CT-1** | **94114** | **106.371** | **12/22/2010** |

**Permit By Rule Supplemental Table (Page 2)**
**Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **7/31/2025** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date |
|---|---|---|
| Misc MSS Activities | 106.263 | 11/1/2001 |
| MS-107 | 106.476 | 9/4/2000 |
| CTOTANK and CTOVENT | 106.472 | 9/4/2000 |
| TEMP EB LD | 106.476 | 11/1/2001 |
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**Permit By Rule Supplemental Table (Page 3)**
**Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| 07/31/2025 | O1625 | RN100542224 |

| PBR No. | Version No./Date |
|---|---|
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**Permit By Rule Supplemental Table (Page 4)**
**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **7/31/2025** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement |
|---|---|---|---|
| Dry Abrasive Cleaning | 106.452 | 55768 | Operating hours and abrasive material used. |
| FUGPAINT | 106.433 | 76216 | Coatings and solvent use; hours of operation |
| FUG-VOC | 106.262 | 89124 | Annual and hourly emissions |
| Drum | 106.262 | 91703 | Records of Drum loading throughput |
| FUG-HRVOC (ethylene)<br>FUG-BZ (benzene) | 106.262 | 114165 | Annual and hourly emissions |
| FL | 106.264 | 151069 | Annual and hourly emissions based on continuous flow monitor |
| CTOTANK | 106.262 | 151153 | Annual and hourly emissions based on temperature and flow |
| FUG-HRVOC/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 106.261/106.262 | 164616 | Annual and hourly emissions |
| Temp TT LD/TempFUG | 106.261/106.262 | 167423 | Records of throughput |
| FUG-NH3/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 106.262 | 168481 | Annual and hourly emissions |

**Permit By Rule Supplemental Table (Page 4)**
**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **07/31/2025** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement |
|---|---|---|---|
| MT-307 Storage tank | Standard Exemption 51 | 112233 | Annual and hourly emissions based on throughput |
| ~~MT-307 Unit tank~~ | ~~Standard Exemption 51~~ | ~~112233~~ | ~~Annual and hourly emissions based on throughput~~ |
| Reactor Replacement (incrase size), Heat Exchanger replacement, desuperheater installation, and 3rd vent compressor | Standard Exemption 118 | 23151 | Annual and hourly emissions based on throughput |
| Misc MSS Activities | 106.263 | 11/1/2001 | (1) The type and reason for the activity or facility construction<br>(2) The processes and equipment involved<br>(3) The date, time, and duration of the activity or facility operation; and<br>(4) The air contaminants and amount which are emitted as a result of the activity of facility operation |
| MS-107 | 106.476 | 9/4/2000 | Documentation that MT-107 meets the requirements of 106.476, Pressurized Tanks, or Tanks Vented to Control |
| CTOTANK and CTOVENT | 106.472 | 9/4/2000 | Documentation of Product Loaded |
| | | | |

**Permit By Rule Supplemental Table (Page 4)**
**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **07/31/2025** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement |
|---|---|---|---|
| FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 106.261, 106.262 | 172279 | Annual and hourly emissions |
| D5000 and D5040, VLP SAN Storage Silos<br>V5531 and V5541, ASA Feed Hoppers<br>S5610 ASA Extruder<br>D5708 ASA Pelletizer<br>D7500, D7510, D7520, ASA Blending Silos<br>V5581, ASA Rework Hopper | 106.261, 106.262 | 173796 | SAN throughput |
| TEMP EB LD<br>FUG-VOC/Fugitives | 106.262 | 174454 | Records of Tote loading throughput |
| FUG-VOC/Fugitives | 106.261, 106.262 | 175935 | Annual and hourly emissions |
| VI-1300 | 106.263 | 9/4/2000 | (1) The type and reason for the activity or facility construction<br>(2) The processes and equipment involved<br>(3) The date, time, and duration of the activity or facility operation; and<br>(4) The air contaminants and amount which are emitted as a result of the activity of facility operation |
| TEMP EB LD | 106.476 | 11/1/2001 | Records of cylinder loading throughput |
| **CT-1** | **106.371** | **94114** | **Annual and hourly emissions** |

**Permit By Rule Supplemental Table (Page 1)**
**Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **7/10/2025** | **O1625** | **RN100542224** |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|---|---|---|---|
| Dry Abrasive Cleaning | 55768 | 106.452 | 7/30/2003 |
| FUGPAINT | 76216 | 106.433 | 7/8/2005 |
| FUG-VOC | 89124 | 106.262 | 6/30/2009 |
| Drum | 91703 | 106.262 | 2/11/2010 |
| FUG-HRVOC (ethylene)<br>FUG-BZ (benzene) | 114165 | 106.262 | 1/15/2014 |
| FL | 151069 | 106.264 | 3/26/2018 |
| CTOTANK | 151153 | 106.262 | 4/26/2018 |
| FUG-HRVOC/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 164616 | 106.261, 106.262 | 4/21/2021 |
| Temp TT LD/TempFUG | 167423 | 106.261, 106.262 | 1/20/2022 |
| FUG-NH3/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 168481 | 106.262 | 4/15/2022 |

**Permit By Rule Supplemental Table (Page 1)**
**Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **7/10/2025** | **O1625** | **RN100542224** |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|---|---|---|---|
| MT-307 Storage tank | 112233 | Standard Exemption 51 | 6/24/1994 |
| MT-307 Unit tank | 112233 | Standard Exemption 51 | 6/24/1994 |
| Reactor Replacement (increase size), Heat Exchanger replacement, desuperheater installation, and 3rd vent compressor | ~~23151~~ **23515** | Standard Exemption 118 | 5/20/1994 |
| FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 172279 | 106.261, 106.262 | 05/09/2023 |
| D5000 and D5040, VLP SAN Storage Silos<br>V5531 and V5541, ASA Feed Hoppers<br>S5610 ASA Extruder<br>D5708 ASA Pelletizer<br>D7500, D7510, D7520, ASA Blending Silos<br>V5581, ASA Rework Hopper | 173796 | 106.261, 106.262 | 09/19/2023 |
| TEMP EB LD<br>FUG-VOC/Fugitives | 174454 | 106.262 | 11/15/2023 |
| FUG-VOC/Fugitives | 175935 | 106.261, 106.262 | 04/08/2024 |
| | | | |

**Permit By Rule Supplemental Table (Page 2)**
**Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **7/10/2025** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date |
|---|---|---|
| Misc MSS Activities | 106.263 | 11/1/2001 |
| MS-107 | 106.476 | 9/4/2000 |
| CTOTANK and CTOVENT | 106.472 | 9/4/2000 |
| TEMP EB LD | 106.476 | 11/1/2001 |
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**Permit By Rule Supplemental Table (Page 3)**
**Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| PBR No. | Version No./Date |
|---|---|
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**Permit By Rule Supplemental Table (Page 4)**
**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement |
|---|---|---|---|
| Dry Abrasive Cleaning | 106.452 | 55768 | Operating hours and abrasive material used. |
| FUGPAINT | 106.433 | 76216 | Coatings and solvent use; hours of operation |
| FUG-VOC | 106.262 | 89124 | Annual and hourly emissions |
| Drum | 106.262 | 91703 | Records of Drum loading throughput |
| FUG-HRVOC (ethylene)<br>FUG-BZ (benzene) | 106.262 | 114165 | Annual and hourly emissions |
| FL | 106.264 | 151069 | Annual and hourly emissions based on continuous flow monitor |
| CTOTANK | 106.262 | 151153 | Annual and hourly emissions based on temperature and flow |
| FUG-HRVOC/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 106.261/106.262 | 164616 | Annual and hourly emissions |
| Temp TT LD/TempFUG | 106.261/106.262 | 167423 | Records of throughput |
| FUG-NH3/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 106.262 | 168481 | Annual and hourly emissions |

**Permit By Rule Supplemental Table (Page 4)**
**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement |
|---|---|---|---|
| MT-307 Storage tank | Standard Exemption 51 | 112233 | Annual and hourly emissions based on throughput |
| MT-307 Unit tank | Standard Exemption 51 | 112233 | Annual and hourly emissions based on throughput |
| Reactor Replacement (incrase size), Heat Exchanger replacement, desuperheater installation, and 3rd vent compressor | Standard Exemption 118 | 23151 | Annual and hourly emissions based on throughput |
| Misc MSS Activities | 106.263 | 11/1/2001 | (1) The type and reason for the activity or facility construction<br>(2) The processes and equipment involved<br>(3) The date, time, and duration of the activity or facility operation; and<br>(4) The air contaminants and amount which are emitted as a result of the activity of facility operation |
| MS-107 | 106.476 | 9/4/2000 | Documentation that MT-107 meets the requirements of 106.476, Pressurized Tanks, or Tanks Vented to Control |
| CTOTANK and CTOVENT | 106.472 | 9/4/2000 | Documentation of Product Loaded |
| | | | |

**Permit By Rule Supplemental Table (Page 4)**
**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement |
|---|---|---|---|
| FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 106.261, 106.262 | 172279 | Annual and hourly emissions |
| D5000 and D5040, VLP SAN Storage Silos<br>V5531 and V5541, ASA Feed Hoppers<br>S5610 ASA Extruder<br>D5708 ASA Pelletizer<br>D7500, D7510, D7520, ASA Blending Silos<br>V5581, ASA Rework Hopper | 106.261, 106.262 | 173796 | SAN throughput |
| TEMP EB LD<br>FUG-VOC/Fugitives | 106.262 | 174454 | Records of Tote loading throughput |
| FUG-VOC/Fugitives | 106.261, 106.262 | 175935 | Annual and hourly emissions |
| VI-1300 | 106.263 | 9/4/2000 | (1) The type and reason for the activity or facility construction<br>(2) The processes and equipment involved<br>(3) The date, time, and duration of the activity or facility operation; and<br>(4) The air contaminants and amount which are emitted as a result of the activity of facility operation |
| TEMP EB LD | 106.476 | 11/1/2001 | Records of cylinder loading throughput |
| | | | |

# Texas Commission on Environmental Quality
# Monitoring Requirements
# Form OP-MON (Page 1)
# Federal Operating Permit Program

## Table 1a: CAM/PM Additions

| | | |
|---|---|---|
| **I. Identifying Information** | | |
| Account No: HG3307M | RN No.:100542224 | CN: 603252479 |
| Permit No.: O1625 | Project No.:36133 | |
| Area Name: Bayport Plant | | |
| Company Name: INEOS Styrolution America LLC | | |
| **II. Unit/Emission Point/Group/Process Information** | | |
| Revision No.: MS-C | | |
| Unit/EPN/Group/Process ID No.: HOH | | |
| Applicable Form: OP-SUMR, OP-UA5 | | |
| **III. Applicable Regulatory Requirement** | | |
| Name: Hot Oil Heater | | |
| SOP/GOP Index No.: R7PHF-2 | | |
| Pollutant: CO | | |
| Main Standard: 30 TAC Chapter 117, Subchapter B (§117.310(c)(1)(B)) | | |
| **IV. Title V Monitoring Information** | | |
| Monitoring Type: PM | | |
| Unit Size: | | |
| CAM/PM Option No.: | | |
| Deviation Limit: CO < 400 ppmv @3.0% $O_2$ dry on a one-hour average | | |
| CAM/PM Option No.: | | |
| Deviation Limit: | | |
| **V. Control Device Information** | | |
| Control Device ID No.: | | |
| Control Device Type: | | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 1)**
**Texas Commission on Environmental Quality**

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or to the Texas Commission on Environmental Quality, Office of Air, Air-Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

| | |
|---|---|
| **I.** | **Company Identifying Information** |
| **A.** | Company Name: **INEOS Styrolution America LLC** |
| **B**. | Customer Reference Number (CN): **CN603252479** |
| **C.** | Submittal Date *(mm/dd/yyyy)*:**6/30/2025** |
| **II.** | **Site Information** |
| **A.** | Site Name: **Bayport Plant** |
| **B**. | Regulated Entity Reference Number (RN): **RN100542224** |
| **C.** | Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)* |
| ☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A | |
| **D**. | Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)* |
| ☒ VOC ☒ $NO_X$ ☐ $SO_2$ ☐ $PM_{10}$ ☒ CO ☐ Pb ☐ HAPS | |
| Other: | |
| **E.** | Is the site a non-major source subject to the Federal Operating Permit Program? ☐ Yes ☒ No |
| **F.** | Is the site within a local program area jurisdiction? ☐ Yes ☒ No |
| **G.** | Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ Yes ☒ No |
| **H.** | Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging: |
| **III.** | **Permit Type** |
| **A.** | Type of Permit Requested: *(Select only one response)* |
| ☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP) | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 2)**
**Texas Commission on Environmental Quality**

| | | |
|---|---|---|
| **IV.** | **Initial Application Information** *(Complete for Initial Issuance Applications Only.)* | |
| **A.** | Is this submittal an abbreviated or a full application? | ☐ Abbreviated ☐ Full |
| **B.** | If this is a full application, is the submittal a follow-up to an abbreviated application? | ☐ Yes ☐ No |
| **C.** | If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? | ☐ Yes ☐ No |
| **D.** | Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) | ☐ Yes ☐ No |
| **E.** | Has the required Public Involvement Plan been included with this application? | ☐ Yes ☐ No |
| **V.** | **Confidential Information** | |
| **A.** | Is confidential information submitted in conjunction with this application? | ☐ Yes ☒ No |
| **VI.** | **Responsible Official (RO) Identifying Information** | |
| RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) | | |
| RO Full Name: **Terrence Trevino** | | |
| RO Title: **Site Director – Gulf Coast Styrene** | | |
| Employer Name: **INEOS Styrolution America, LLC** | | |
| Mailing Address: **12222 Port Road** | | |
| City: **Pasadena** | | |
| State: **Texas** | | |
| ZIP Code: **77507** | | |
| Territory: **N/A** | | |
| Country: **USA** | | |
| Foreign Postal Code: **N/A** | | |
| Internal Mail Code: **N/A** | | |
| Telephone No.: **(281) 474-1601** | | |
| Fax No.: **(281) 474-1636** | | |
| Email: **terrence.trevino@ineos.com** | | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 3)**
**Texas Commission on Environmental Quality**

| **VII. Technical Contact Identifying Information** *(Complete if different from RO.)* | |
|---|---|
| Technical Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.) | |
| Technical Contact Full Name: **Shannon Davis** | |
| Technical Contact Title: **Environmental Engineer** | |
| Employer Name: **INEOS Styrolution America, LLC** | |
| Mailing Address: **12222 Port Road** | |
| City: **Pasadena** | |
| State: **Texas** | |
| ZIP Code: **77507** | |
| Territory: **N/A** | |
| Country: **USA** | |
| Foreign Postal Code: **N/A** | |
| Internal Mail Code: **N/A** | |
| Telephone No.: **281-474-1041** | |
| Fax No.:**N/A** | |
| Email: **shannon.k.davis@Ineos.com** | |
| **VIII. Reference Only Requirements** *(For reference only.)* | |
| **A.** State Senator: **Mayes Middleton** | |
| **B.** State Representative: **Dennis Paul** | |
| **C.** Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? | ☒ Yes ☐ No ☐ N/A |
| **D.** Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? | ☒ Yes ☐ No |
| **E.** Indicate the alternate language(s) in which public notice is required: **Spanish** | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 4)**
**Texas Commission on Environmental Quality**

| | |
|---|---|
| **IX.** | **Off-Site Permit Request**<br>*(Optional for applicants requesting to hold the FOP and records at an off-site location.)* |
| **A.** | Office/Facility Name: |
| **B.** | Physical Address: |
| City: | |
| State: | |
| ZIP Code: | |
| Territory: | |
| Country: | |
| Foreign Postal Code: | |
| **C.** | Physical Location: |
| | |
| | |
| | |
| **D.** | Contact Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) |
| Contact Full Name: | |
| **E.** | Telephone No.: |
| **X.** | **Application Area Information** |
| **A.** | Area Name: **Bayport Plant** |
| **B.** | Physical Address: **12222 Port Road** |
| City: **Pasadena** | |
| State: **Texas** | |
| ZIP Code: **77507** | |
| **C.** | Physical Location: |
| **12222 Port Road** | |
| **Pasadena, Texas 77507** | |
| | |
| **D**. | Nearest City: **La Porte** |
| **E.** | State: **Texas** |
| **F.** | ZIP Code: **77571** |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 5)**
**Texas Commission on Environmental Quality**

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|---|---|
| **X.** | **Application Area Information *(continued)*** |
| **G.** | Latitude (nearest second): **29 36 12** |
| **H.** | Longitude (nearest second): **95 01 02** |
| **I.** | Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ Yes ☒ No |
| **J.** | Indicate the estimated number of emission units in the application area: |
| **K.** | Are there any emission units in the application area subject to the Acid Rain Program? ☐ Yes ☒ No |
| **L.** | Affected Source Plant Code (or ORIS/Facility Code): |
| **XI.** | **Public Notice**<br>*(Complete this section for SOP Applications and Acid Rain Permit Applications only.)* |
| **A.** | Name of a public place to view application and draft permit: **Evelyn Meador Branch Library** |
| **B.** | Physical Address: **2400 North Meyer Avenue** |
| City: : **Seabrook** | |
| ZIP Code: **77586** | |
| **C.** | Contact Person (Someone who will answer questions from the public during the public notice period): |
| Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.): | |
| Contact Person Full Name: **Shannon Davis** | |
| Contact Mailing Address: **12222 Port Road** | |
| City: **Pasadena** | |
| State: **Texas** | |
| ZIP Code: **77507** | |
| Territory: **N/A** | |
| Country: **N/A** | |
| Foreign Postal Code: **N/A** | |
| Internal Mail Code: **N/A** | |
| Telephone No.:**281-474-1041** | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 6)**
**Texas Commission on Environmental Quality**

| **XII. Delinquent Fees and Penalties** |
|---|
| **Notice:** This form will not be processed until all delinquent fees and/or penalties owed to TCEQ or the Office of Attorney General on behalf of TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol." |
| **Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.** |
| **XIII. Designated Representative (DR) Identifying Information** |
| DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) |
| DR Full Name: |
| DR Title: |
| Employer Name: |
| Mailing Address: |
| City: |
| State: |
| ZIP Code: |
| Territory: |
| Country: |
| Foreign Postal Code: |
| Internal Mail Code: |
| Telephone No.: |
| Fax No.: |
| Email: |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 7)**
**Texas Commission on Environmental Quality**

| **Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.** |
|---|
| **XIV. Alternate Designated Representative (ADR) Identifying Information** |
| ADR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) |
| ADR Full Name: |
| ADR Title: |
| Employer Name: |
| Mailing Address: |
| City: |
| State: |
| ZIP Code: |
| Territory: |
| Country: |
| Foreign Postal Code: |
| Internal Mail Code: |
| Telephone No.: |
| Fax No.: |
| Email: |

**EBSM Unit**

Styrene is produced by the dehydrogenation of ethylbenzene. Ethylene and benzene are received via pipeline and reacted to form ethylbenzene.

Ethylbenzene is produced from the catalytic reaction of benzene and ethylene in the Ethylbenzene Production Unit (EPU). The EPU consists of reaction and distillation sections. In the reaction section, ethylene and benzene react to form ethylbenzene, diethylbenzene, and other higher-alkylated benzenes. Effluent is directed to the distillation section to recover ethylbenzene and to recycle unreacted raw materials. The remaining residues from the distillation section are stored and sold or reused. Next, ethylbenzene is directed to the Styrene Unit (SU) or stored for future styrene production or off-site transfer. Air emissions from the production of ethylbenzene are from process heaters, equipment component leaks (fugitives), and catalytic regeneration operations.

The SU produces the styrene monomer through catalytic dehydrogenation of ethylbenzene. The SU consists of a reaction and monomer distillation section.

In the reaction section ethylbenzene is catalytically dehydrogenated with super-heated steam. Ethylbenzene is received from storage or from the EPU and recycled from the monomer distillation section. The effluent (crude styrene monomer) is directed to the monomer distillation section.

The monomer distillation section separates the styrene monomer from other material. Finished styrene monomer is directed to storage for off-site transfer. The styrene residue is used as fuel in the facility boilers. Air emissions associated with the production of the styrene monomer occurs form process heaters and equipment component leaks (fugitives).

Both ethylbenzene and styrene production depend on ancillary equipment and utilities to facilitate production. Air emissions from ancillary equipment result from the tank farm, utility boilers, cooling towers, thermal oxidizers, firewater pumps, the plant flare, and an emergency generator.

**ASA Unit**

ASA product is produced by combining Styrene Acrylonitrile polymer (SAN) with Butyl Acrylate (BA) rubber to form Acrylonitrile Styrene Acrylate (ASA). The first part of the process is to make SAN by reacting liquid styrene and acrylonitrile (ACN) along with recycle solvent containing ethylbenzene in a continuous polymerization reaction. The second part of the process is to make butyl acrylate rubber using styrene, ACN, and BA. The BA rubber is a graft polymer formed by an emulsion polymerization process in water which is then separated and dried. The SAN and BA rubber are then compounded in extruders with pigment and other additives to make the final ASA product which is *pelletized* and stored before shipment to the customer. The Tank Farm and Utilities areas support the manufacturing process areas. A regenerative thermal oxidizer is the primary control device for the ASA Plant. Other combustion devices include an emergency/maintenance flare, a small process heater, and an emergency generator. Particulate emissions are controlled with various baghouse filters.

ASA gets a few utilities streams, including steam and natural gas, from EBSM. We also get styrene and ethylbenzene from EBSM.

**Stationary Reciprocating Internal Combustion Engine Attributes**
**Form OP-UA2 (Page 1)**
**Federal Operating Permit Program**
**Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Horsepower Rating | RACT Date Placed in Service | Functionally Identical Replacement | Type of Service | Fuel Fired | Engine Type | ESAD Date Placed in Service | Diesel HP Rating |
|---|---|---|---|---|---|---|---|---|---|
| 115 | R7ICI-1 | | | | EMERG | DSL | | | |
| 802A | R7ICI-1 | | | | EMERG | DSL | | | |
| 802B | R7ICI-1 | | | | EMERG | DSL | | | |
| 802S | R7ICI-1 | | | | EMERG | DSL | | | |
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**Stationary Reciprocating Internal Combustion Engine Attributes**
**Form OP-UA2 (Page 4)**
**Federal Operating Permit Program**
**Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | HAP Source | Brake HP | Construction/ Reconstruction Date | Nonindustrial Emergency Engine | Service Type | Stationary RICE Type |
|---|---|---|---|---|---|---|---|
| 115 | 63ZZZZ | AREA | 300-500 | 02- | NO | EMER-A | CI |
| 802A | 63ZZZZ | AREA | 300-500 | 02- | NO | EMER-A | CI |
| 802B | 63ZZZZ | AREA | 300-500 | 02- | NO | EMER-A | CI |
| 802S | 63ZZZZ | AREA | 300-500 | 02- | NO | EMER-A | CI |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 4)**
**Federal Operating Permit Program**
**Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Storage of Volatile Organic Compounds (VOCs)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Alternate Control Requirement | ACR ID No. | Product Stored | Storage Capacity | Throughput | Potential to Emit | Uncontrolled Emissions |
|---|---|---|---|---|---|---|---|---|
| MS-209 | R5112-6 | No | | VOC1 | A1K-25K | | | |
| MS-213 | R5112-1 | No | | VOC1 | A1K-25K | | | |
| MS-350 | R5112-8 | No | | VOC1 | A1K-25K | | | |
| MS-363 | R5112-7 | No | | VOC1 | A1K-25K | | | |
| MT-306 | R5112-2 | No | | VOC1 | A40K+ | | | |
| MT-307 | R5112-3 | No | | VOC1 | A25K-40K | | | |
| MT-308 | R5112-1 | No | | VOC1 | A1K-25K | | | |
| MT-310 | R5112-4 | No | | VOC1 | A40K+ | | | |
| MT-310 | R5112-9 | No | | VOC1 | A40K+ | | | |
| MT-311 | R5112-2 | No | | VOC1 | A40K+ | | | |
| MT-312 | R5112-5 | No | | VOC1 | A40K+ | | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 4)**
**Federal Operating Permit Program**
**Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Storage of Volatile Organic Compounds (VOCs)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Alternate Control Requirement | ACR ID No. | Product Stored | Storage Capacity | Throughput | Potential to Emit | Uncontrolled Emissions |
|---|---|---|---|---|---|---|---|---|
| MT-315 | R5112-2 | No | | VOC1 | A40K+ | | | |
| MT-316 | R5112-2 | No | | VOC1 | A40K+ | | | |
| MT-317 | R5112-2 | No | | VOC1 | A40K+ | | | |
| MT-318 | R5112-6 | No | | VOC1 | A1K-25K | | | |
| MT-322 | R5112-2 | No | | VOC1 | A40K+ | | | |
| MT-355 | R5112-2 | No | | VOC1 | A40K+ | | | |
| MT-364 | R5112-2 | No | | VOC1 | A40K+ | | | |
| MT-365 | R5112-2 | No | | VOC1 | A40K+ | | | |
| TK-1 | R5112-8 | No | | VOC1 | A1K-25K | | | |
| | | | | | | | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 5)**
**Federal Operating Permit Program**
**Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Storage of Volatile Organic Compounds (VOCs)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Construction Date | Tank Description | True Vapor Pressure | Primary Seal | Secondary Seal | Control Device Type | Control Device ID No. |
|---|---|---|---|---|---|---|---|---|
| MS-209 | R5112-6 | | SFP1 | 1-1.5 | | | | |
| MS-213 | R5112-1 | | SFP1 | 1- | | | | |
| MS-350 | R5112-8 | | SPVRS1 | 1- | | | | |
| MS-363 | R5112-7 | | VRS1 | 1.5+A | | | FLARE | FL |
| MT-306 | R5112-2 | | SPVRS1 | 1- | | | | |
| MT-307 | R5112-3 | | SPVRS1 | 1- | | | | |
| MT-308 | R5112-1 | | SFP1 | 1- | | | | |
| MT-310 | R5112-4 | | SPVRS1 | 1-1.5 | | | | |
| MT-310 | R5112-9 | | SPVRS1 | 1.5+A | | | CATINC | CTO TANK |
| MT-311 | R5112-2 | | SPVRS1 | 1- | | | | |
| MT-312 | R5112-5 | | IFR1 | 1.5+A | | | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 5)**
**Federal Operating Permit Program**
**Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Storage of Volatile Organic Compounds (VOCs)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Construction Date | Tank Description | True Vapor Pressure | Primary Seal | Secondary Seal | Control Device Type | Control Device ID No. |
|---|---|---|---|---|---|---|---|---|
| MT-315 | R5112-2 | | SPVRS1 | 1- | | | | |
| MT-316 | R5112-2 | | SPVRS1 | 1- | | | | |
| MT-317 | R5112-2 | | SPVRS1 | 1- | | | | |
| MT-318 | R5112-6 | | SPVRS1 | 1-1.5 | | | | |
| MT-322 | R5112-2 | | SPVRS1 | 1- | | | | |
| MT-355 | R5112-2 | | SPVRS1 | 1- | | | | |
| MT-364 | R5112-2 | | SPVRS1 | 1- | | | | |
| MT-365 | R5112-2 | | SPVRS1 | 1- | | | | |
| TK-1 | R5112-8 | | SPVRS1 | 1- | | | | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 7)**
**Federal Operating Permit Program**
**Table 6: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)**
**Subpart Y: National Emission Standards for Benzene Emissions from Benzene Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Tank Type | Storage Capacity | Stringency | Alternate Means of Emission Limitation | AMEL ID No. | Tank Description | Control Device Type | Control Device ID No. |
|---|---|---|---|---|---|---|---|---|---|
| MT-312 | 61Y-1 | BENZ | 10K+ | NOKS | NO | | ESVIFR | | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 21)**
**Federal Operating Permit Program**
**Table 12a: Title 40 Code of Federal Regulations Part 61, (40 CFR Part 61)**
**Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Waste Treatment Tank | Alternative Standards for Tanks | Kb Tank Type | AMEL ID No. | Seal Type | Alternate Means of Compliance | AMOC ID No. |
|---|---|---|---|---|---|---|---|---|
| MT-364 | 61FF-2 | YES | NO | | | | NO | |
| MT-365 | 61FF-2 | YES | NO | | | | NO | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 22)**
**Federal Operating Permit Program**
**Table 12b: Title 40 Code of Federal Regulations Part 61, (40 CFR Part 61)**
**Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Tank Control Requirements | Fuel Gas System | Closed Vent System And Control Device | Cover and Closed Vent | Closed Vent System And Control Device AMOC | CVS/CD AMOC ID No. |
|---|---|---|---|---|---|---|---|
| MT-364 | 61FF-2 | 343B2 | NO | YES | NO | NO | |
| MT-365 | 61FF-2 | 343B2 | NO | YES | NO | NO | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 23)**
**Federal Operating Permit Program**
**Table 12c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)**
**Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Bypass Line | Bypass Line Valve | Control Device Type/Operation | Control Device ID No. | Engineering Calculations | Alternate Monitoring Parameters | Carbon Replacement Interval |
|---|---|---|---|---|---|---|---|---|
| MT-364 | 61FF-2 | NO | | CATA95 | CTOVENT | YES | NO | |
| MT-365 | 61FF-2 | NO | | CATA95 | CTOVENT | YES | NO | |
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**Loading/Unloading Operations Attributes**
**Form OP-UA4 (Page 1)**
**Federal Operating Permit Program**
**Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter C: Loading and Unloading of Volatile Organic Compounds**
**Texas Commission on Environmental Quality**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Chapter 115 Facility Type | Alternate Control Requirement (ACR) | ACR ID No. | Product Transferred | Transfer Type | True Vapor Pressure | Daily Through-put | Control Options |
|---|---|---|---|---|---|---|---|---|---|
| LR-1 | R5211-1 | OTHER | NONE | | VOC1 | BOTH | 0.5- | | |
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**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 1)**
**Federal Operating Permit Program**
**Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Unit Type | Maximum Rated Capacity | RACT Date Placed in Service | Functionally Identical Replacement | Fuel Type(s) | | | Annual Heat Input | NOx Emission Limitation | Opt-In Unit | 23C-Option |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HS-102 | R7PHF-2 | PRHTR | 2-40 | | | NG | | | | 310D | | |
| HS-103 | R7PHF-1 | PRHTR | 40-100 | | | NG | | | ~~22+~~ **28+** | 310D | | |
| HS-104 | R7PHF-3 | PRHTR | 100-200 | | | NG | | | 22+ | 310D | | |
| HS-201/219 | R7PHF-3 | PRHTR | 200+ | | | NG | | | 22+ | 310D | | |
| HS-220 | R7PHF-1 | PRHTR | 100-200 | | | NG | LQD | | 22+ | 310D | | |
| ~~HS-601~~ | ~~R7PHF-2~~ | ~~PRHTR~~ | ~~2-40~~ | | | ~~NG~~ | | | | ~~310D~~ | | |
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**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 2)**
**Federal Operating Permit Program**
**Table 1b: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Diluent CEMS | 30 TAC Chapter 116 Limit | NOx Emission Limit Basis | NOx Reduction | Common Stack Combined | Fuel Type Heat Input | NOx Monitoring System |
|---|---|---|---|---|---|---|---|---|
| HS-102 | R7PHF-2 | NO | | 30DAY | NONE | | | MERT |
| HS-103 | R7PHF-1 | NO | | 30DAY | NONE | | | MERT |
| HS-104 | R7PHF-3 | NO | | BLK1-LB | NONE | | | CEMS |
| HS-201/219 | R7PHF-3 | NO | | BLK1-LB | NONE | | | CEMS |
| HS-220 | R7PHF-1 | NO | | BLK1-LB | POST1 | | | CEMS |
| ~~HS-601~~ | ~~R7PHF-2~~ | ~~NO~~ | | ~~30DAY~~ | ~~NONE~~ | | | ~~MERT~~ |
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**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 3)**
**Federal Operating Permit Program**
**Table 1c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Fuel Flow Monitoring | CO Emission Limitation | CO Monitoring System | NH3 Emission Limitation | NH3 Monitoring |
|---|---|---|---|---|---|---|
| HS-102 | R7PHF-2 | X40A | 310C | OTHER | | |
| HS-103 | R7PHF-1 | X40A | 310C | OTHER | | |
| HS-104 | R7PHF-3 | X40A | 310C | CEMS | | |
| HS-201/219 | R7PHF-3 | X40A | 310C | CEMS | | |
| HS-220 | R7PHF-1 | X40A | 310C | CEMS | 310C | CEMS |
| ~~HS-601~~ | ~~R7PHF-2~~ | ~~X40A~~ | ~~310C~~ | ~~OTHER~~ | | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 6)**
**Federal Operating Permit Program**
**Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Construction/Modification Date | Heat Input Capacity | Subpart Da | Changes to Existing Affected Facility | Subpart Ea, Eb, or AAAA | Subpart KKKK | Subpart Cb or BBBB |
|---|---|---|---|---|---|---|---|---|
| HB-1301P | 60DB-1 | 86-97 | 100-250 | NO | NO | NO | NO | NO |
| HS-104 | 60DB-2 | 97-05CR | 100-250 | NO | NO | NO | NO | NO |
| HS-220 | 60DB-3 | 05+CR | 100-250 | NO | NO | NO | NO | NO |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 7)**
**Federal Operating Permit Program**
**Table 3b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | D-Series Fuel Type | D-Series Fuel Type | D-Series Fuel Type | Subpart D | Subpart J | Subpart E | ACF Option $SO_2$ | ACF Option PM | ACF Option $NO_X$ |
|---|---|---|---|---|---|---|---|---|---|---|
| HB-1301P | 60DB-1 | NG | | | | NO | NO | OTHR | OTHR | 10+RO |
| HS-104 | 60DB-1 | NG | | | | NO | NO | OTHR | OTHR | 10+RO |
| HS-220 | 60DB-3 | NG | BPW | | | NO | NO | OTHR | OTHR | OTHR |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 8)**
**Federal Operating Permit Program**
**Table 3c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | 60.42b (k)(2) Low Sulfur Exemption | 60.42b (k)(4) Alternative | Post-Combustion Control | 60.43b(h)(2) Alternative | Electrical or Mechanical Output | Output Based Limit | Steam with Electricity | Electricity Only | 60.49 Da(n) Alternative | 60.49 Da(m) Alternative |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HB-1301P | 60DB-1 | | | | | | | | | NO | NO |
| HS-104 | 60DB-2 | | | | | NO | | | | NO | NO |
| HS-220 | 60DB-3 | | | | | NO | | | | NO | NO |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 9)**
**Federal Operating Permit Program**
**Table 3d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Residual Oil Sampling | Monitoring Type PM | Monitoring Type Opacity | Monitoring Type $NO_X$ | Monitoring Type $SO_2$ | Technology Type | Unit Type | Heat Release Rate | Heat Input Gas/Oil | Heat Input Wood | Fuel Heat Input |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HB-1301P | 60DB-1 | | NONE | NONE | CEM | NONE | NONE | OTHER | NGLOW | | | |
| HS-104 | 60DB-2 | | NONE | NONE | CEM | NONE | CONV | OTHER | NGLOW | YES | | |
| HS-220 | 60DB-3 | | NONE | NONE | CEM | NONE | CONV | OTHER | NGLOW | YES | | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 10)**
**Federal Operating Permit Program**
**Table 3e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Alternate Emission Limit (AEL) | AEL ID. NO. | Facility Type | Monitoring Device | Common Fuel Source |
|---|---|---|---|---|---|---|
| HB-1301P | 60DB-1 | | | | | |
| HS-104 | 60DB-2 | | | | | |
| HS-220 | 60DB-3 | NO | | | | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 11)**
**Federal Operating Permit Program**
**Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Construction/ Modification Date | Maximum Design Heat Input Capacity | Applicability | Heat Input Capacity | D-Series Fuel Type | D-Series Fuel Type | D-Series Fuel Type | ACF Option $SO_2$ | ACF Option PM | 30% Coal Duct Burner |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HS-103 | 60DC-1 | 89-05 | 10-100 | NONE | 75-100 | NG | | | OTHR | OTHR | NO |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 12)**
**Federal Operating Permit Program**
**Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Monitoring Type PM | Monitoring Type $SO_2$ Inlet | Monitoring Type $SO_2$ Outlet | Technology Type | 43CE-Option | 47C-Option |
|---|---|---|---|---|---|---|---|
| HS-103 | 60DC-1 | NONE | NONE | NONE | NONE | | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 13)**
**Federal Operating Permit Program**
**Table 5a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subpart B: Combustion Control at Major Industrial, Commercial and Institutional Sources in Ozone Nonattainment Areas**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Unit Type | MRC | RACT Date Placed in Service | Functionally Identical Replacement | Fuel Type | Fuel Type | Fuel Type | Annual Heat Input |
|---|---|---|---|---|---|---|---|---|---|
| HB-1301P | R7BSG-3 | ICIB | 200-250 | | | NG | GS | | 22+ |
| HB-301A | R7BSG-1 | ICIB | 200-250 | | | NG | GS | | 22+ |
| HB-301B | R7BSG-2 | ICIB | 200-250 | | | NG | GS | | 22+ |
| HB-301S | R7BSG-2 | ICIB | 200-250 | | | NG | GS | | 22+ |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 14)**
**Federal Operating Permit Program**
**Table 5b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subpart B: Combustion Control at Major Industrial, Commercial and Institutional Sources in Ozone Nonattainment Areas**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | $NO_X$ Emission Limitation | Opt-In Unit | 23C-Option | Title 30 TAC Chapter 116 Permit Limit | EGF System Cap Unit | $NO_X$ Emission Limit Average | $NO_X$ Reduction | Common Stack Combined |
|---|---|---|---|---|---|---|---|---|---|
| HB-1301P | R7BSG-3 | 310D | | | | NO | BLK1-LB | NONE | |
| HB-301A | R7BSG-1 | 310D | | | | NO | BLK1-LB | NONE | |
| HB-301B | R7BSG-2 | 310D | | | | NO | BLK1-LB | NONE | |
| HB-301S | R7BSG-2 | 310D | | | | NO | BLK1-LB | NONE | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 15)**
**Federal Operating Permit Program**
**Table 5c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subpart B: Combustion Control at Major Industrial, Commercial and Institutional Sources in Ozone Nonattainment Areas**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Fuel Type Heat Input | $NO_X$ Monitoring System | Fuel Flow Monitoring | CO Emission Limitation | CO Monitoring System | $NH_3$ Emission Limitation | $NH_3$ Emission Monitoring |
|---|---|---|---|---|---|---|---|---|
| HB-1301P | R7BSG-3 | | CEMS | X40A | 310C | CEMS | | |
| HB-301A | R7BSG-1 | | CEMS | X40A | 310C | CEMS | | |
| HB-301B | R7BSG-2 | | CEMS | X40A | 310C | CEMS | | |
| HB-301S | R7BSG-2 | | CEMS | X40A | 310C | CEMS | | |
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**Texas Commission on Environmental Quality**
**Flare Attributes**
**Form OP-UA7 (Page 1)**
**Federal Operating Permit Program**
**Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)**
**Control of Air Pollution from Visible Emissions and Particulate Matter**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No | Acid Gases Only | Emergency/Upset Conditions Only | Alternate Opacity Limitation (AOL) | AOL ID No. | Construction Date |
|---|---|---|---|---|---|---|
| FL | R111-1 | NO | NO | | | |
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**Texas Commission on Environmental Quality**
**Flare Attributes**
**Form OP-UA7 (Page 3)**
**Federal Operating Permit Program**
**Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)**
**Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Subject to 40 CFR §60.18 | Adhering to Heat Content Specifications | Flare Assist Type | Flare Exit Velocity | Heating Value of Gas |
|---|---|---|---|---|---|---|
| FL | 60A-1 | YES | YES | STEAM | 60- | |
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**Texas Commission on Environmental Quality**
**Flare Attributes**
**Form OP-UA7 (Page 4)**
**Federal Operating Permit Program**
**Table 4: Title 40 Code of Federal Regulations Part 63**
**Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Required Under 40 CFR Part 63 | Heat Content Specification | Flare Assist Type | Flare Exit Velocity | Heating Value of Gas |
|---|---|---|---|---|---|---|
| FL | 63A-1 | YES | YES | STEAM | 60- | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 11)**
**Federal Operating Permit Program**
**Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Title 30 TAC § 115.352 Applicable | < 250 Components at Site | Weight Percent VOC | Reciprocating Compressors or Positive Displacement Pumps |
|---|---|---|---|---|---|
| FUG-BZ | R5352-ALL | | | | |
| FUG-VOC | R5352-ALL | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 21)**
**Federal Operating Permit Program**
**Table 2k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Components Utilizing Alternative Work Practice in § 115.358 | Title 30 TAC § 115.358 Fugitive Unit Description |
|---|---|---|---|
| FUG-BZ | R5352-ALL | | EBSM Plant Fugitives |
| FUG-VOC | R5352-ALL | | EBSM Plant Fugitives |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 70)**
**Federal Operating Permit Program**
**Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Equipment Type | Non Research and Development/Batch Processes | Vacuum Service | Less Than 300 Operating Hours | Heavy Liquid Service | AMEL |
|---|---|---|---|---|---|---|---|
| FUG-BZ | 63H-ALL | | | | | | |
| FUG-VOC | 63H-ALL | | | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 76)**
**Federal Operating Permit Program**
**Table 9g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Bypass Lines | Unsafe To Inspect | Difficult To Inspect | Employee Number | Title 40 CFR Part 63, Subpart H Fugitive Unit Description |
|---|---|---|---|---|---|---|
| FUG-BZ | 63H-ALL | | | | | EBSM Plant Fugitives |
| FUG-VOC | 63H-ALL | | | | | EBSM Plant Fugitives |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 138)**
**Federal Operating Permit Program**
**Table 16a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter H: Fugitive Emissions (HRVOC)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID. No. | SOP/GOP Index No. | Title 30 TAC § 115.780 Applicable | Less Than 250 Components at Site | Weight Percent HRVOC | Title 30 TAC Chapter 115 Fugitive Unit Components | | |
|---|---|---|---|---|---|---|---|
| | | | | | Pumps with Shaft Seal System | Compressors with Shaft Seal System | Agitators with Shaft Seal System |
| FUG-HRVOC | R5780-ALL | | | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 144)**
**Federal Operating Permit Program**
**Table 16g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter H: Fugitive Emissions (HRVOC)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Alternative Work Practice in § 115.358 | Title 30 TAC § 115.358 Fugitive Unit Description |
|---|---|---|---|
| FUG-HRVOC | R5780-ALL | | EBSM Plant Fugitives |
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**Texas Commission on Environmental Quality**
**Cooling Tower Attributes**
**Form OP-UA13 (Page 3)**
**Federal Operating Permit Program**
**Table 3a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter H, Division 2: Cooling Tower Heat Exchange Systems**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Cooling Tower Heat Exchange Systems Exemptions | Alternative Monitoring | Modified Monitoring | Approved Monitoring ID No. |
|---|---|---|---|---|---|
| CT-1 | R5760-1 | NONE | NO | NO | |
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**Texas Commission on Environmental Quality**
**Cooling Tower Attributes**
**Form OP-UA13 (Page 4)**
**Federal Operating Permit Program**
**Table 3b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter H, Division 2: Cooling Tower Heat Exchange Systems**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Jacketed Reactor | Design Capacity | Finite Volume System | Flow Monitoring/ Testing Method | Total Strippable VOC | On-Line Monitor |
|---|---|---|---|---|---|---|---|
| CT-1 | R5760-1 | NO | 8000+ | NO | INLET | NO | YES |
| | | | | | | | |
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**Water Separator Attributes**
**Form OP-UA14 (Page 11)**
**Federal Operating Permit Program**
**Table 5a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)**
**Subpart FF: National Emission Standard for Benzene Waste Operations (Oil-Water Separators)**
**Texas Commission on Environmental Quality**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Alternate Means of Compliance | AMOC ID No. | Alternative Standards for Oil-Water Separator | Floating Roof | Floating Roof Portion Feasibility | Fuel Gas System | Cover and Closed Vent | Closed Vent System and Control Device AMOC | CVS/CD AMOC ID No. |
|---|---|---|---|---|---|---|---|---|---|---|
| MS-221A/B | 61FF-1 | NO | | NO | | | NO | NO | NO | |
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**Water Separator Attributes**
**Form OP-UA14 (Page 12)**
**Federal Operating Permit Program**
**Table 5b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)**
**Subpart FF: National Emission Standard for Benzene Waste Operations (Oil-Water Separators)**
**Texas Commission on Environmental Quality**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | By-pass Line | By-pass Line Valve | Control Device Type/ Operation | Control Device ID No. | Engineering Calculations | Alternate Monitoring Parameters | Carbon Replacement Interval |
|---|---|---|---|---|---|---|---|---|
| MS-221A/B | 61FF-1 | NO | | CATA95 | CTOVENT | NO | NO | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 3)**
**Federal Operating Permit Program**
**Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Vent Gas Control**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Emission Point ID No. | SOP/GOP Index No. | Chapter 115 Division | Combustion Exhaust | Vent Type | Total Uncontrolled VOC Weight | Combined 24-Hour VOC Weight | VOC Concentration | VOC Concentration or Emission Rate at Maximum Operating Conditions |
|---|---|---|---|---|---|---|---|---|
| AS-206 | R5121-4 | NO | NO | DISTOPER | | | | |
| GY-308 | R5121-3 | NO | NO | REGVAPPL | | 100- | | YES |
| GY-321 | R5121-3 | NO | NO | REGVAPPL | | 100- | | YES |
| MS-228/1228 | R5121-1 | NO | NO | DISTOPER | | | | |
| MS-228/1228 | R5121-5 | NO | NO | DISTOPER | | | | |
| MT-302 | R5121-3 | NO | NO | REGVAPPL | | 100- | | YES |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 4)**
**Federal Operating Permit Program**
**Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Vent Gas Control**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Alternate Control Requirement | ACR ID No. | Control Device Type | Control Device ID No. |
|---|---|---|---|---|---|
| AS-206 | R5121-4 | NONE | | OTHER | HB-301A, HB-301B, HB-301S, HB-201/219 |
| MS-228/1228 | R5121-1 | NONE | | OTHER | HS-201/219 |
| MS-228/1228 | R5121-5 | NONE | | CHILLER | CTOTANK, CTOVENT |
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# Texas Commission on Environmental Quality
## Distillation Unit Attributes
## Form OP-UA17 (Page 1)
## Federal Operating Permit Program
### Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
### Subpart NNN: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations

| | |
|---|---|
| **Date:** | **09/26/2024** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP Index No. | Subpart NNN Chemicals | Construction/Modification Date | Vent Type | Distillation Unit Type | Total Design Capacity | Vent Stream Flow Rate |
|---|---|---|---|---|---|---|---|
| AF-202 | 60NNN-2 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AF-202 | 60NNN-3 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AF-203 | 60NNN-2 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AF-203 | 60NNN-3 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AS-102 | 60NNN-2 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AS-102 | 60NNN-3 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AS-105 | 60NNN-2 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AS-105 | 60NNN-3 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AS-107 | 60NNN-2 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AS-107 | 60NNN-3 | YES | 83+ | VRS | NONE | 1+ | 8+ |

**Texas Commission on Environmental Quality**
**Distillation Unit Attributes**
**Form OP-UA17 (Page 1)**
**Federal Operating Permit Program**
**Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart NNN: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations**

| | |
|---|---|
| **Date:** | **09/26/2024** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP Index No. | Subpart NNN Chemicals | Construction/Modification Date | Vent Type | Distillation Unit Type | Total Design Capacity | Vent Stream Flow Rate |
|---|---|---|---|---|---|---|---|
| AS-1207 | 60NNN-2 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AS-1207 | 60NNN-3 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AS-205 | 60NNN-2 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| AS-205 | 60NNN-3 | YES | 83+ | VRS | NONE | 1+ | 8+ |
| **AF-201** | **60NNN-2** | **YES** | **83-** | | | | |
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**Texas Commission on Environmental Quality**
**Distillation Unit Attributes**
**Form OP-UA17 (Page 2)**
**Federal Operating Permit Program**
**Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart NNN: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations**

| | |
|---|---|
| **Date:** | **09/26/2024** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP Index No. | Total Resource Effectiveness | TOC Reduction | Subpart NNN Control Device | ACT ID No. | Subpart NNN Control Device ID No. | Emission Point ID No(s). | | Organic Monitoring Device |
|---|---|---|---|---|---|---|---|---|---|
| AF-202 | 60NNN-2 | 8-B | YES | BPH44+ | | HS-201/219, VI-1300, VI-300 | HS-201/219 VI-1300, VI-300 | | |
| AF-202 | 60NNN-3 | 8-B | YES | FLARE | | FL | FL | | |
| AF-203 | 60NNN-2 | 8-B | YES | BPH44+ | | HS-201/219 | HS-201/219 | | |
| AF-203 | 60NNN-3 | 8-B | YES | FLARE | | FL | FL | | |
| AS-102 | 60NNN-2 | 8-B | YES | BPH44+ | | HS-201/219 | HS-201/219 | | |
| AS-102 | 60NNN-3 | 8-B | YES | FLARE | | FL | FL | | |
| AS-105 | 60NNN-2 | 8-B | YES | BPH44+ | | HS-201/219 | HS-201/219 | | |
| AS-105 | 60NNN-3 | 8-B | YES | FLARE | | FL | FL | | |
| AS-107 | 60NNN-2 | 8-B | YES | BPH44+ | | HS-201/219 | HS-201/219 | | |
| AS-107 | 60NNN-3 | 8-B | YES | FLARE | | FL | FL | | |

**Texas Commission on Environmental Quality**
**Distillation Unit Attributes**
**Form OP-UA17 (Page 2)**
**Federal Operating Permit Program**
**Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart NNN: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations**

| | |
|---|---|
| **Date:** | **09/26/2024** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP Index No. | Total Resource Effectiveness | TOC Reduction | Subpart NNN Control Device | ACT ID No. | Subpart NNN Control Device ID No. | Emission Point ID No(s).In | | Organic Monitoring Device |
|---|---|---|---|---|---|---|---|---|---|
| AS-1207 | 60NNN-2 | 8-B | YES | BPH44+ | | HB-301A, HB-301B, HB-301S, HS-201/219 | HB-301A, HB-301B, HB-301S, HS-201/219 | | |
| AS-1207 | 60NNN-3 | 8-B | YES | FLARE | | FL | FL | | |
| AS-205 | 60NNN-2 | 8-B | YES | BPH44+ | | HS-201/219 | HS-201/219 | | |
| AS-205 | 60NNN-3 | 8-B | YES | FLARE | | FL | FL | | |
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# Texas Commission on Environmental Quality
# Wastewater Unit Attributes
# Form OP-UA19 (Page 1)
# Federal Operating Permit Program

## Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
## Subchapter B: Industrial Wastewater

| Date: 09/26/2024 | Permit No.: O1625 | RN Number: RN100542224 |
|---|---|---|
| Area Name: Bayport Plant | | CN Number: CN603252479 |

| Unit ID No. | SOP Index No. | Petroleum Refinery | Alternate Control Requirement | ACR ID No. | 90% Overall Control Option | Safety Hazard Exemption | Safety Hazard Exemption ID No. |
|---|---|---|---|---|---|---|---|
| MS-221A/B | R5140-1 | NO | NO | | NO | NO | |
| MS-338 | R5140-1 | NO | NO | | NO | NO | |
| MT-364 | R5140-1 | NO | NO | | NO | NO | |
| MT-365 | R5140-1 | NO | NO | | NO | NO | |
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**Texas Commission on Environmental Quality**
**Wastewater Unit Attributes**
**Form OP-UA19 (Page 2)**
**Federal Operating Permit Program**

## Table 1b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115) Subchapter B: Industrial Wastewater

| Date: 09/26/2024 | Permit No.: O1625 | RN Number: RN100542224 |
|---|---|---|
| Area Name: Bayport Plant | | CN Number: CN603252479 |

| Unit ID No. | SOP Index No. | Wastewater Component Type | Roof or Seal Type | Control Devices | Control Device ID No. | Monitoring Type |
|---|---|---|---|---|---|---|
| MS-221A/B | R5140-1 | OTHER | NONE | CATA | VI-300 | NO |
| MS-338 | R5140-1 | OTHER | NONE | CATA | VI-300 | NO |
| MT-364 | R5140-1 | OTHER | NONE | CATA | VI-300 | NO |
| MT-365 | R5140-1 | OTHER | NONE | CATA | VI-300 | NO |
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# Texas Commission on Environmental Quality
## Reactor Attributes
## Form OP-UA48 (Page 3)
## Federal Operating Permit Program
### Table 2a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
### Subpart RRR: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes

| | |
|---|---|
| **Date:** | **09/26/2024** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP Index No. | Chemicals Listed In 60.707 | Construction/ Modification Date | Affected Facility Type | Subject To Title 40 CFR Part 60, Subpart DDD | Subject To Title 40 CFR Part 60, Subpart NNN | TRE Index Value | TRE for Halogenated Vent Stream |
|---|---|---|---|---|---|---|---|---|
| MR-201A/B | 60RRR-1 | YES | 90+ | 2COMBO | NO | YES | | |
| MR-201A/B | 60RRR-2 | YES | 90+ | 2COMBO | NO | NO | 8- | YES |
| MR-201C | 60RRR-2 | YES | 90+ | COMBO | NO | NO | 8- | YES |
| MR-201C | 60RRR-3 | YES | 90+ | COMBO | NO | NO | 8- | YES |
| MR-203A | 60RRR-2 | YES | 90+ | 2COMBO | NO | NO | 8- | YES |
| MR-203A | 60RRR-3 | YES | 90+ | 2COMBO | NO | NO | 8- | YES |
| MR-203B | 60RRR-2 | YES | 90+ | 2COMBO | NO | NO | 8- | YES |
| MR-203B | 60RRR-3 | YES | 90+ | 2COMBO | NO | NO | 8- | YES |
| MR-203C | 60RRR-2 | YES | 90+ | COMBO | NO | NO | 8- | YES |
| MR-203C | 60RRR-3 | YES | 90+ | COMBO | NO | NO | 8- | YES |

**Texas Commission on Environmental Quality**
**Distillation Unit Attributes**
**Form OP-UA48 (Page 4)**
**Federal Operating Permit Program**
**Table 2b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart RRR: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes**

| | |
|---|---|
| **Date:** | **09/26/2024** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP Index No. | Total Design Capacity | Vent Stream Flow Rate | TOC Exemption | Control Device | Control Device ID No. |
|---|---|---|---|---|---|---|
| MR-201A/B | 60RRR-2 | 1+ | 11+ | NOEX | B44+ | HB-301A, HB-301B, HB-301S |
| MR-201C | 60RRR-2 | 1+ | 11+ | NOEX | B44+ | HB-301A, HB-301B, HB-301S |
| MR-201C | 60RRR-3 | 1+ | 11+ | NOEX | FLARE | FL |
| MR-203A | 60RRR-2 | 1+ | 11+ | NOEX | B44+ | HB-301A, HB-301B, HB-301S |
| MR-203A | 60RRR-3 | 1+ | 11+ | NOEX | FLARE | FL |
| MR-203B | 60RRR-2 | 1+ | 11+ | NOEX | B44+ | HB-301A, HB-301B, HB-301S |
| MR-203B | 60RRR-3 | 1+ | 11+ | NOEX | FLARE | FL |
| MR-203C | 60RRR-2 | 1+ | 11+ | NOEX | B44+ | HB-301A, HB-301B, HB-301S |
| MR-203C | 60RRR-3 | 1+ | 11+ | NOEX | FLARE | FL |
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# Texas Commission on Environmental Quality
## Distillation Unit Attributes
## Form OP-UA48 (Page 4)
## Federal Operating Permit Program
### Table 2c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
### Subpart RRR: Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes

| | |
|---|---|
| **Date:** | **09/26/2024** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP Index No. | Secondary Fuel | Bypass Line | Bypass Line Valve Secured | Recovery Device | Recovery Device ID No. | Organic Monitoring Device |
|---|---|---|---|---|---|---|---|
| MR-201A/B | 60RRR-2 | | NO | | | | |
| MR-201C | 60RRR-2 | | NO | | | | |
| MR-201C | 60RRR-3 | | NO | | | | |
| MR-203A | 60RRR-2 | | NO | | | | |
| MR-203A | 60RRR-3 | | NO | | | | |
| MR-203B | 60RRR-2 | | NO | | | | |
| MR-203B | 60RRR-3 | | NO | | | | |
| MR-203C | 60RRR-2 | | NO | | | | |
| MR-203C | 60RRR-3 | | NO | | | | |
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**Closed - Vent System and Control Device Attributes**
**Form OP-UA52 (Page 1)**
**Federal Operating Permit Program**
**Table 1: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)**
**Subpart FF: National Emission Standard for Benzene Waste Operations**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Control Device ID No. | SOP Index No. | Unit Type | Closed Vent System And Control Device AMOC | CVS/CD AMOC ID No. | By-pass Line | By-pass Line Valve | Control Device Type/Operation | Engineering Calculations | Alternate Monitoring Parameters | Carbon Replacement Interval |
|---|---|---|---|---|---|---|---|---|---|---|
| CTOTANK | 61FFCVS-1 | BOTH | NO | | NO | | CATA95 | NO | NO | |
| CTOVENT | 61FFCVS-1 | BOTH | NO | | NO | | CATA95 | NO | NO | |
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# Texas Commission on Environmental Quality
# Treatment Process Attributes
# Form OP-UA58 (Page 2)
# Federal Operating Permit Program
# Table 2a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
# Subpart FF: National Emission Standard for Benzene Waste Operations (Treatment Processes)

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Process ID No. | SOP Index No. | AMOC | AMOC ID No. | Complying With § 61.342(e) | Stream Combination | Benzene Removal | Process or Stream Exemption | Treatment Process Engineering Calculations |
|---|---|---|---|---|---|---|---|---|
| PROWWSYS | 61FFTREAT-1 | NO | | NO | NO | 10- | NO | NO |
| PROWWSYS | 61FFTREAT-2 | NO | | NO | NO | 10- | NO | NO |
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**Texas Commission on Environmental Quality**
**Treatment Process Attributes**
**Form OP-UA58 (Page 3)**
**Federal Operating Permit Program**
**Table 2b: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)**
**Subpart FF: National Emission Standard for Benzene Waste Operations (Treatment Processes)**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Process ID No. | SOP Index No. | Continuous Monitoring | Treatment Stream Unit Exemption | Openings | Fuel Gas System | Less Than Atmospheric | Closed-Vent System And Control Device | AMOC | AMOC ID No. |
|---|---|---|---|---|---|---|---|---|---|
| PROWWSYS | 61FFTREAT-1 | YES | | YES | NO | NO | YES | NO | |
| PROWWSYS | 61FFTREAT-2 | YES | | YES | NO | NO | YES | NO | |
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**Texas Commission on Environmental Quality**
**Treatment Process Attributes**
**Form OP-UA58 (Page 4)**
**Federal Operating Permit Program**
**Table 2c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)**
**Subpart FF: National Emission Standard for Benzene Waste Operations (Treatment Processes)**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Process ID No. | SOP Index No. | By-Pass Line | By-Pass Line Valve | Control Device Type/Operation | Control Device ID No. | Engineering Calculations | Alternate Monitoring Parameters | Carbon Replacement Interval |
|---|---|---|---|---|---|---|---|---|
| PROWWSYS | 61FFTREAT-1 | NO | | CATA95 | CTOVENT and CTOTANK | NO | YES | |
| PROWWSYS | 61FFTREAT-2 | NO | | FLARE | FLARE | | | |
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**Texas Commission on Environmental Quality**
**Federal Operating Permit Program**
**Individual Unit Summary for Revisions**
**Form OP-SUMR**
**Table 1**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| D | 1 | AS-1202 | OP-SUMR | Distillation Column | | 5252 | |
| A | 3 | MSS Misc | OP-PBRSUP | Miscellaneous MSS | | 106.263/11/1/2001 | |
| A | 4 | TEMP EB LD | OP-PBRSUP | Ethylbenzene Loading | | 106.476/11/1/2001 | |
| A | 5 | AF-201 | OP-UA17 | Distillation Column | | 5252 | |
| D | 6 | HS-601 | OP-UA5 | Process Heater | | 5252 | |
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**Texas Commission on Environmental Quality**
**Application Area-Wide Applicability Determinations and General Information**
**Form OP-REQ1**
**Federal Operating Permit Program**

| | |
|---|---|
| Date: | **09/26/2024** |
| Permit No.: | **O1625** |
| RN No.: | **RN100542224** |

*For SOP applications, answer ALL questions unless otherwise directed.*
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

| | | | |
|---|---|---|---|
| ***Form OP-REQ1: Page 1*** | | | |
| **I.** | **Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter** | | |
| | **A.** | **Visible Emissions** | |
| ♦ | 1. | The application area includes stationary vents constructed on or before January 31, 1972. | ☐YES ☒NO |
| ♦ | 2. | The application area includes stationary vents constructed after January 31, 1972.<br>*If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.*<br>*If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.* | ☒YES ☐NO |
| ♦ | 3. | The application area is opting to comply with the requirements for stationary vents constructed after January 31, 1972 for vents in the application area constructed on or before January 31, 1972. | ☐YES ☐NO |
| ♦ | 4. | All stationary vents are addressed on a unit specific basis. | ☐YES ☒NO |
| ♦ | 5. | Test Method 9 (40 CFR Part 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources) is used to determine opacity of emissions in the application area. | ☒YES ☐NO |
| ♦ | 6. | The application area includes structures subject to 30 TAC § 111.111(a)(7)(A). | ☐YES ☒NO |
| ♦ | 7. | The application area includes sources, other than those specified in 30 TAC § 111.111(a)(1), (4), or (7), subject to 30 TAC § 111.111(a)(8)(A). | ☐YES ☒NO |
| ♦ | 8. | Emissions from units in the application area include contributions from uncombined water. | ☐YES ☒NO |
| ♦ | 9. | The application area is located in the City of El Paso, including Fort Bliss Military Reservation, and includes solid fuel heating devices subject to 30 TAC § 111.111(c). | ☐YES ☐NO ☒N/A |

**Texas Commission on Environmental Quality**
**Application Area-Wide Applicability Determinations and General Information**
**Form OP-REQ1**
**Federal Operating Permit Program**

| | |
|---|---|
| Date: | **09/26/2024** |
| Permit No.: | **O1625** |
| RN No.: | **RN100542224** |

*For SOP applications, answer ALL questions unless otherwise directed.*
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

| | | | | |
|---|---|---|---|---|
| ***Form OP-REQ1: Page 2*** | | | | |
| **I.** | **Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)** | | | |
| | **B.** | **Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots** | | |
| | 1. | Items a - d determines applicability of any of these requirements based on geographical location. | | |
| ♦ | | a. | The application area is located within the City of El Paso. | ☐YES ☒NO |
| ♦ | | b. | The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141. | ☐YES ☒NO |
| ♦ | | c. | The application area is located in the portion of Harris County inside the loop formed by Beltway 8. | ☐YES ☒NO |
| ♦ | | d. | The application area is located in the area of Nueces County outlined in Group II state implementation plan (SIP) for inhalable particulate matter adopted by the TCEQ on May 13, 1988. | ☐YES ☒NO |
| | | *If there is any "YES" response to Questions I.B.1.a - d, answers Questions I.B.2.a - d. If all responses to Questions I.B.1.a-d are "NO," go to Section I.C.* | | |
| | 2. | Items a - d determine the specific applicability of these requirements. | | |
| ♦ | | a. | The application area is subject to 30 TAC § 111.143. | ☐YES ☐NO |
| ♦ | | b. | The application area is subject to 30 TAC § 111.145. | ☐YES ☐NO |
| ♦ | | c. | The application area is subject to 30 TAC § 111.147. | ☐YES ☐NO |
| ♦ | | d. | The application area is subject to 30 TAC § 111.149. | ☐YES ☐NO |
| | **C.** | **Emissions Limits on Nonagricultural Processes** | | |
| ♦ | 1. | The application area includes a nonagricultural process subject to 30 TAC § 111.151. | | ☒YES ☐NO |
| | 2. | The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements.<br>*If the response to Question I.C.2 is "NO," go to Question I.C.4.* | | ☐YES ☒NO |
| | 3. | All vents from nonagricultural process in the application area are subject to additional monitoring requirements. | | ☐YES ☒NO |

**Texas Commission on Environmental Quality**
**Application Area-Wide Applicability Determinations and General Information**
**Form OP-REQ1**
**Federal Operating Permit Program**

| | |
|---|---|
| Date: | **09/26/2024** |
| Permit No.: | **O1625** |
| RN No.: | **RN100542224** |

*For SOP applications, answer ALL questions unless otherwise directed.*
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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|---|---|---|---|
| ***Form OP-REQ1: Page 3*** | | | |
| **I.** | **Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)** | | |
| | **C.** | **Emissions Limits on Nonagricultural Processes (continued)** | |
| | 4. | The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c). | ☐YES ☒NO |
| | 5. | The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements.<br>*If the response to Question I.C.5 is "NO," go to Question I.C.7.* | ☐YES ☒NO |
| | 6. | All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements. | ☐YES ☐NO |
| | 7. | The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b). | ☐YES ☒NO |
| | 8. | The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements.<br>*If the response to Question I.C.8 is "NO," go to Section I.D.* | ☐YES ☒NO |
| | 9. | All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements. | ☐YES ☐NO |
| | **D.** | **Emissions Limits on Agricultural Processes** | |
| | 1. | The application area includes agricultural processes subject to 30 TAC § 111.171. | ☐YES ☒NO |
| | **E.** | **Outdoor Burning** | |
| ♦ | 1. | Outdoor burning is conducted in the application area.<br>*If the response to Question I.E.1 is "NO," go to Section II.* | ☒YES ☐NO |
| ♦ | 2. | Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205. | ☒YES ☐NO |
| ♦ | 3. | Fires for recreation, ceremony, cooking, and warmth are used in the application area and subject to the exception provided in 30 TAC § 111.207. | ☒YES ☐NO |
| ♦ | 4. | Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209. | ☐YES ☒NO |

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|---|---|
| Date: | **09/26/2024** |
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♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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|---|---|---|---|
| ***Form OP-REQ1: Page 4*** | | | |
| **I.** | **Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)** | | |
| | **E.** | **Outdoor Burning (continued)** | |
| ♦ | 5. | Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211. | ☐YES ☒NO |
| ♦ | 6. | Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213. | ☐YES ☒NO |
| ♦ | 7. | The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215. | ☐YES ☒NO |
| **II.** | **Title 30 TAC Chapter 112 - Control of Air Pollution from Sulfur Compounds** | | |
| | **A.** | **Temporary Fuel Shortage Plan Requirements** | |
| | 1. | The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18. | ☐YES ☒NO |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area is located in the Houston/Galveston/Brazoria area, Beaumont/Port Arthur area, Dallas/Fort Worth area, El Paso area, or a covered attainment county as defined by 30 TAC § 115.10.<br>*See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.* | ☒YES ☐NO |
| | **B.** | **Storage of Volatile Organic Compounds** | |
| ♦ | 1. | The application area includes storage tanks, reservoirs, or other containers capable of maintaining working pressure sufficient at all times to prevent any VOC vapor or gas loss to the atmosphere. | ☐YES ☒NO |

**Texas Commission on Environmental Quality**
**Application Area-Wide Applicability Determinations and General Information**
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**Federal Operating Permit Program**

| | |
|---|---|
| Date: | **09/26/2024** |
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| RN No.: | **RN100542224** |

*For SOP applications, answer ALL questions unless otherwise directed.*
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| ***Form OP-REQ1: Page 5*** | | | |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **C.** | **Industrial Wastewater** | |
| | 1. | The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140.<br>*If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.* | ☒YES ☐NO ☐N/A |
| | 2. | The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area.<br>*If the response to Question III.C.2 is "YES" and the refinery is in the Beaumont/Port Arthur area, go to Section III.D.* | ☐YES ☒NO |
| | 3. | The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater).<br>*If the response to Question III.C.3 is "YES," go to Section III.D.* | ☐YES ☒NO |
| | 4. | The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons).<br>*If the response to Question III.C.4 is "YES," go to Section III.D.* | ☐YES ☒NO |
| | 5. | The application area includes wastewater drains, junction boxes, lift stations, or weirs that are subject to the control requirements of 30 TAC § 115.142(1). | ☒YES ☐NO |
| | 6. | The application area includes wastewater drains, junction boxes, lift stations, or weirs that handle streams chosen for exemption under 30 TAC § 115.147(2). | ☐YES ☒NO |
| | 7. | The application area includes wastewater drains, junction boxes, lift stations, or weirs that have an executive director approved exemption under 30 TAC § 115.147(4). | ☐YES ☒NO |
| | **D.** | **Loading and Unloading of VOCs** | |
| ♦ | 1. | The application area includes VOC loading operations. | ☒YES ☐NO |
| ♦ | 2. | The application area includes VOC transport vessel unloading operations.<br>*For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.* | ☒YES ☐NO |

| | |
|---|---|
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| ***Form OP-REQ1: Page 6*** | | | |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **D.** | **Loading and Unloading of VOCs (continued)** | |
| ♦ | 3. | Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area. | ☐YES ☒NO |
| | **E.** | **Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities** | |
| ♦ | 1. | The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container.<br>*If the response to Question III.E.1 is "NO," go to Section III.F.* | ☐YES ☒NO |
| ♦ | 2. | Transfers to stationary storage containers used exclusively for the fueling of agricultural implements are the only transfer operations conducted at facilities in the application area. | ☐YES ☐NO |
| ♦ | 3. | All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent.<br>*If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.* | ☐YES ☐NO |
| ♦ | 4. | The application area is located in a covered attainment county as defined in 30 TAC § 115.10.<br>*If the response to Question III.E.4 is "NO," go to Question III.E.9.* | ☐YES ☐NO |
| ♦ | 5. | Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility. | ☐YES ☐NO |
| ♦ | 6. | Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility. | ☐YES ☐NO |
| ♦ | 7. | At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014.<br>*If the response to Question III.E.7 is "YES," go to Section III.F.* | ☐YES ☐NO |

| | |
|---|---|
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*For SOP applications, answer ALL questions unless otherwise directed.*
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***Form OP-REQ1: Page 7***

**III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**

**E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)**

| | | | |
|---|---|---|---|
| ♦ | 8. | At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. *If the response to Question III.E.8 is "YES," go to Section III.F.* | ☐YES ☐NO |
| ♦ | 9. | Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992. | ☐YES ☐NO |
| ♦ | 10. | Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992. | ☐YES ☐NO |
| ♦ | 11. | Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which commenced construction on or after November 15, 1992. | ☐YES ☐NO |
| ♦ | 12. | At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005. | ☐YES ☐NO |

**F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)**

| | | | |
|---|---|---|---|
| ♦ | 1. | Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area. | ☐YES ☒NO ☐N/A |

| | |
|---|---|
| Date: | **09/26/2024** |
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|---|---|---|---|
| ***Form OP-REQ1: Page 8*** | | | |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **F.** | **Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)** | |
| ♦ | 2. | Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area. | ☒YES ☐NO ☐N/A |
| ♦ | 3. | Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area. | ☐YES ☒NO ☐N/A |
| | **G.** | **Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities** | |
| ♦ | 1. | The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks.<br>*If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.* | ☐YES ☒NO ☐N/A |
| ♦ | 2. | The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012. | ☐YES ☐NO |
| ♦ | 3. | The application area includes facilities that began construction prior to November 15, 1992.<br>*If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.* | ☐YES ☐NO |
| ♦ | 4. | The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline. | ☐YES ☐NO |
| ♦ | 5. | The decommissioning of all Stage II vapor recovery control equipment located in the application area has been completed and the decommissioning notice submitted. | ☐YES ☐NO ☐N/A |

| | |
|---|---|
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| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **H.** | **Control Of Reid Vapor Pressure (RVP) of Gasoline** | |
| ♦ | 1. | The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County.<br>*If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.* | ☐YES ☐NO ☒N/A |
| ♦ | 2. | The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements. | ☐YES ☐NO |
| ♦ | 3. | The application area includes a motor vehicle fuel dispensing facility. | ☐YES ☐NO |
| ♦ | 4. | The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less. | ☐YES ☐NO |
| | **I.** | **Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries** | |
| | 1. | The application area is located at a petroleum refinery. | ☐YES ☒NO |
| | **J.** | **Surface Coating Processes (Complete this section for GOP applications only.)** | |
| ♦ | 1. | Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area. | ☐YES ☐NO ☐N/A |

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| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **K.** | **Cutback Asphalt** | |
| | 1. | Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency.<br>*If the response to Question III.K.1 is "N/A," go to Section III.L.* | ☐YES ☐NO ☒N/A |
| | 2. | The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area. | ☐YES ☐NO ☐N/A |
| | 3. | Asphalt emulsion is used or produced within the application area. | ☐YES ☐NO |
| | 4. | The application area is using an alternate control requirement as specified in 30 TAC § 115.513.<br>*If the response to Question III.K.4 is "NO," go to Section III.L.* | ☐YES ☐NO |
| | 5. | The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1). | ☐YES ☐NO |
| | 6. | The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat. | ☐YES ☐NO |
| | 7. | The applicant using cutback asphalt is a state, municipal, or county agency. | ☐YES ☐NO |
| | **L.** | **Degassing of Storage Tanks, Transport Vessels and Marine Vessels** | |
| ♦ | 1. | The application area includes degassing operations for stationary, marine, and/or transport vessels.<br>*If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.* | ☒YES ☐NO ☐N/A |
| ♦ | 2. | Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area.<br>*If the response to Question III.L.2 is "YES," go to Section III.M.* | ☐YES ☒NO ☐N/A |

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| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **L.** | **Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)** | |
| ♦ | 3. | Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area. | ☒YES ☐NO ☐N/A |
| ♦ | 4. | Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area. | ☐YES ☒NO ☐N/A |
| ♦ | 5. | Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area. | ☐YES ☒NO |
| ♦ | 6. | Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area. | ☐YES ☒NO ☐N/A |
| ♦ | 7. | Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure ≥ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area. | ☐YES ☒NO ☐N/A |
| | **M.** | **Petroleum Dry Cleaning Systems** | |
| | 1. | The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents. | ☐YES ☐NO ☒N/A |

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**III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**

**N. Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC)**

| | | |
|---|---|---|
| 1. | The application area includes one or more vent gas streams containing HRVOC. | ☒YES ☐NO ☐N/A |
| 2. | The application area includes one or more flares that emit or have the potential to emit HRVOC.<br>*If the responses to Questions III.N.1 and III.N.2 are both "NO" or "N/A," go to Section III.O. If the response to Question III.N.1 is "YES," continue with Question III.N.3.* | ☒YES ☐NO ☐N/A |
| 3. | All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times. | ☐YES ☒NO |
| 4. | All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times.<br>*If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.* | ☐YES ☒NO |
| 5. | The application area contains pressure relief valves that are not controlled by a flare. | ☐YES ☐NO |
| 6. | The application area has at least one vent stream which has no potential to emit HRVOC. | ☐YES ☐NO |
| 7. | The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H). | ☐YES ☐NO |

**O. Cooling Tower Heat Exchange Systems (HRVOC)**

| | | |
|---|---|---|
| 1. | The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC. | ☒YES ☐NO ☐N/A |

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| **IV.** | **Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area.<br>*For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.*<br>*For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F.*<br>*For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.*<br>*For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.* | ☒YES ☐NO |
| | 2. | The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln.<br>*If the response to Question IV.A.2 is "YES," go to Question IV.H.1.* | ☐YES ☒NO |
| | 3. | The application area includes a utility electric generator in an east or central Texas county.<br>*See instructions for a list of counties included.*<br>*If the response to Question IV.A.3 is "YES," go to Question IV.G.1.*<br>*If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.* | ☐YES ☒NO |
| | **B.** | **Utility Electric Generation in Ozone Nonattainment Areas** | |
| | 1. | The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300.<br>*If the response to Question IV.B.1 is "NO," go to Question IV.C.1.* | ☐YES ☒NO |
| | 2. | The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220. | ☐YES ☐NO |

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| **IV.** | **Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)** | | |
| | **C.** | **Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas** | |
| ♦ | 1. | The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400.<br>*For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.* | ☒YES ☐NO |
| ♦ | 2. | The application area is located at a site that was a major source of $NO_X$ before November 15, 1992. | ☒YES ☐NO ☐N/A |
| ♦ | 3. | The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320. | ☐YES ☒NO |
| | **D.** | **Adipic Acid Manufacturing** | |
| | 1. | The application area is located at, or part of, an adipic acid production unit. | ☐YES ☒NO ☐N/A |
| | **E.** | **Nitric Acid Manufacturing - Ozone Nonattainment Areas** | |
| | 1. | The application area is located at, or part of, a nitric acid production unit. | ☐YES ☒NO ☐N/A |
| | **F.** | **Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines** | |
| ♦ | 1. | The application area is located at a site that is a minor source of $NO_X$ in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County).<br>*For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.* | ☐YES ☒NO |
| ♦ | 2. | The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a). | ☐YES ☐NO |
| ♦ | 3. | The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b). | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 15*** | | | |
| **IV.** | **Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)** | | |
| | **F.** | **Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)** | |
| ♦ | 4. | The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103. | ☐YES ☐NO |
| ♦ | 5. | The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110. | ☐YES ☐NO |
| | 6. | The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "NO," go to Section IV.G.* | ☐YES ☐NO |
| | 7. | An ACSS for carbon monoxide (CO) has been approved? | ☐YES ☐NO |
| | 8. | An ACSS for ammonia ($NH_3$) has been approved? | ☐YES ☐NO |
| | 9. | Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below. | |
| | **G.** | **Utility Electric Generation in East and Central Texas** | |
| | 1. | The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "NO," go to Question IV.H.1.* | ☐YES ☒NO |
| | 2. | The application area is complying with the System Cap in 30 TAC § 117.3020. | ☐YES ☐NO |
| | **H.** | **Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters** | |
| | 1. | The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "NO," go to Section V.* | ☐YES ☒NO |
| | 2. | All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203. | ☐YES ☐NO |

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**V. Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products**

**A. Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings**

| | | |
|---|---|---|
| 1. | The application area manufactures automobile refinish coatings or coating components and sells or distributes these coatings or coating components in the United States. | ☐YES ☒NO |
| 2. | The application area imports automobile refinish coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States.<br>*If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.* | ☐YES ☒NO |
| 3. | All automobile refinish coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6). | ☐YES ☐NO |

**B. Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products**

| | | |
|---|---|---|
| 1. | The application area manufactures consumer products for sale or distribution in the United States. | ☐YES ☒NO |
| 2. | The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States. | ☐YES ☒NO |
| 3. | The application area is a distributor of consumer products whose name appears on the label of one or more of the products.<br>*If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.* | ☐YES ☒NO |
| 4. | All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7). | ☐YES ☐NO |

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| **V.** | **Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)** | | |
| | **C.** | **Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings** | |
| | 1. | The application area manufactures or imports architectural coatings for sale or distribution in the United States. | ☐YES ☒NO |
| | 2. | The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act.<br>*If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.* | ☐YES ☒NO |
| | 3. | All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5). | ☐YES ☐NO |
| | **D.** | **Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings** | |
| | 1. | The application area manufactures or imports aerosol coating products for sale or distribution in the United States. | ☐YES ☒NO |
| | 2. | The application area is a distributor of aerosol coatings for resale or distribution in the United States. | ☐YES ☒NO |
| | **E.** | **Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers** | |
| | 1. | The application area manufactures or imports portable fuel containers for sale or distribution in the United States.<br>*If the response to Question V.E.1 is "NO," go to Section VI.* | ☐YES ☒NO |
| | 2. | All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c). | ☐YES ☐NO |
| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts.<br>*If the response to Question VI.A.1 is "NO," go to Section VII.* | ☒YES ☐NO |

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| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **B.** | **Subpart Y - Standards of Performance for Coal Preparation and Processing Plants** | |
| | 1. | The application area is located at a coal preparation and processing plant.<br>*If the response to Question VI.B.1 is "NO," go to Section VI.C.* | ☐YES ☒NO |
| | 2. | The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd).<br>*If the response to Question VI.B.2 is "NO," go to Section VI.C.* | ☐YES ☐NO |
| | 3. | The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option.<br>*If the response to Question VI.B.3 is "YES," go to Section VI.C.* | ☐YES ☐NO |
| | 4. | The plant contains an open storage pile, as defined in § 60.251, as an affected facility.<br>*If the response to Question VI.B.4 is "NO," go to Section VI.C.* | ☐YES ☐NO |
| | 5. | The open storage pile was constructed, reconstructed or modified after May 27, 2009. | ☐YES ☐NO |
| | **C.** | **Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)** | |
| ♦ | 1. | The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired.<br>*If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.* | ☐YES ☐NO ☒N/A |
| ♦ | 2. | One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005.<br>*If the response to Question VI.C.2 is "NO," go to Section VI.D.* | ☐YES ☐NO |
| ♦ | 3. | One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4). | ☐YES ☐NO |
| ♦ | 4. | The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area. | ☐YES ☐NO |

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| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **C.** | **Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)** | |
| ♦ | 5. | One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides. | ☐YES ☐NO |
| | **D.** | **Subpart XX - Standards of Performance for Bulk Gasoline Terminals** | |
| | 1. | The application area includes bulk gasoline terminal loading racks.<br>*If the response to Question VI.D.1 is "NO," go to Section VI.E.* | ☐YES ☐NO<br>☒N/A |
| | 2. | One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC. | ☐YES ☐NO |
| | **E.** | **Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide ($SO_2$) Emissions** | |
| ♦ | 1. | The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore).<br>*For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.* | ☐YES ☒NO |
| ♦ | 2. | The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011.<br>*For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.* | ☐YES ☐NO |
| ♦ | 3. | The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD.<br>*For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.* | ☐YES ☐NO |

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**VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**

**E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide ($SO_2$) Emissions (continued)**

| | | | |
|---|---|---|---|
| ♦ | 4. | Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD.<br>*For SOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.H.* | ☐YES ☐NO |
| ♦ | 5. | Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below. | |

**F. Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**

| | | | |
|---|---|---|---|
| | 1. | The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant.<br>*If the response to Question VI.F.1 is "NO," go to Section VI.G.* | ☐YES ☒NO |
| | 2. | Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO. | ☐YES ☐NO |

**G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**

| | | | |
|---|---|---|---|
| | 1. | The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987.<br>*If the response to Question VI.G.1 is "NO," go to Section VI.H.* | ☐YES ☒NO |
| | 2. | The application area includes storm water sewer systems. | ☐YES ☐NO |

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| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **G.** | **Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (continued)** | |
| | 3. | The application area includes ancillary equipment which is physically separate from the wastewater system and does not come in contact with or store oily wastewater. | ☐YES ☐NO |
| | 4. | The application area includes non-contact cooling water systems. | ☐YES ☐NO |
| | 5. | The application area includes individual drain systems.<br>*If the response to Question VI.G.5 is "NO," go to Section VI.H.* | ☐YES ☐NO |
| | 6. | The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d). | ☐YES ☐NO |
| | 7. | The application area includes completely closed drain systems. | ☐YES ☐NO |
| | **H.** | **Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004** | |
| ♦ | 1. | The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator.<br>*If the response to Question VI.H.1. is "N/A," go to Section VI.I. If the response to Question VI.H.1 is "NO," go to Question VI.H.4.* | ☐YES ☐NO ☒N/A |
| ♦ | 2. | The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. | ☐YES ☐NO |
| ♦ | 3. | The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one air curtain incinerator.<br>*If the response to Question VI.H.4 is "NO," go to Section VI.I.* | ☐YES ☐NO |

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**VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**

**H. Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004 (continued)**

| | | | |
|---|---|---|---|
| ♦ | 5. | The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.<br>*If the response to Question VI.H.5 is "NO," go to Question VI.H.7.* | ☐YES ☐NO |
| ♦ | 6. | All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste. | ☐YES ☐NO |
| ♦ | 7. | The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006. | ☐YES ☐NO |
| ♦ | 8. | All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste. | ☐YES ☐NO |

**I. Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001**

| | | | |
|---|---|---|---|
| ♦ | 1. | The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator.<br>*If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.* | ☐YES ☐NO ☒N/A |
| ♦ | 2. | The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 23*** | | | |
| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **I.** | **Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001 (continued)** | |
| ♦ | 3. | The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one air curtain incinerator.<br>*If the response to Question VI.I.4 is "NO," go to Section VI.J.* | ☐YES ☐NO |
| ♦ | 5. | The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.<br>*If the response to Question VI.I.5 is "NO," go to VI.I.7.* | ☐YES ☐NO |
| ♦ | 6. | All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| ♦ | 7. | The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001. | ☐YES ☐NO |
| ♦ | 8. | All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |

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**VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**

**J. Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006**

| | | | |
|---|---|---|---|
| ♦ | 1. | The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator.<br>*If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.* | ☐YES ☐NO ☒N/A |
| ♦ | 2. | The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. | ☐YES ☐NO |
| ♦ | 3. | The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one air curtain incinerator.<br>*If the response to Question VI.J.4 is "NO," go to Section VI.K.* | ☐YES ☐NO |
| ♦ | 5. | The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.<br>*If the response to Question VI.J.5 is "NO," go to Question VI.J.7.* | ☐YES ☐NO |
| ♦ | 6. | All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| ♦ | 7. | The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 25*** | | | |
| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (NSPS) (continued)** | | |
| | **J.** | **Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006 (continued)** | |
| ♦ | 8. | All air curtain incinerators constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| ♦ | 9. | The air curtain incinerator is located at an institutional facility and is a distinct operating unit of the institutional facility that generated the waste. | ☐YES ☐NO |
| ♦ | 10. | The air curtain incinerator burns less than 35 tons per day of wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| | **K.** | **Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution** | |
| ♦ | 1. | The application area includes one or more of the onshore affected facilities listed in 40 CFR § 60.5365(a)-(g) that are subject to 40 CFR Part 60, Subpart OOOO. | ☐YES ☒NO |
| **VII.** | **Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts.<br>*If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.* | ☒YES ☐NO ☐N/A |
| | **B.** | **Subpart F - National Emission Standard for Vinyl Chloride** | |
| | 1. | The application area is located at a plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride. | ☐YES ☒NO |
| | **C.** | **Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks (Fugitive Emission Sources) of Benzene (Complete this section for GOP applications only)** | |
| ♦ | 1. | The application area includes equipment in benzene service. | ☒YES ☐NO ☐N/A |

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| ***Form OP-REQ1: Page 26*** | | |
| **VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| **D.** | **Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants** | |
| 1. | The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b).<br>*If the response to Question VII.D.1 is "NO," go to Section VII.E.* | ☐YES ☒NO |
| 2. | The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b). | ☐YES ☐NO |
| 3. | The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2. | ☐YES ☐NO |
| **E.** | **Subpart M - National Emission Standard for Asbestos** | |
| | ***Applicability*** | |
| 1. | The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, 61.144, 61.146, 61.147, 61.148, or 61.155.<br>*If the response to Question VII.E.1 is "NO," go to Section VII.F.* | ☐YES ☒NO |
| | ***Roadway Construction*** | |
| 2. | The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material. | ☐YES ☐NO |
| | ***Manufacturing Commercial Asbestos*** | |
| 3. | The application area includes a manufacturing operation using commercial asbestos.<br>*If the response to Question VII.E.3 is "NO," go to Question VII.E.4.* | ☐YES ☐NO |
| a. | Visible emissions are discharged to outside air from the manufacturing operation | ☐YES ☐NO |
| b. | An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 27*** | | | |
| **VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | | |
| **E. Subpart M - National Emission Standard for Asbestos (continued)** | | | |
| ***Manufacturing Commercial Asbestos* (continued)** | | | |
| | c. | Asbestos-containing waste material is processed into non-friable forms. | ☐YES ☐NO |
| | d. | Asbestos-containing waste material is adequately wetted. | ☐YES ☐NO |
| | e. | Alternative filtering equipment is being used that has received EPA approval. | ☐YES ☐NO |
| | f. | A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles | ☐YES ☐NO |
| | g. | The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals. | ☐YES ☐NO |
| ***Asbestos Spray Application*** | | | |
| 4. | | The application area includes operations in which asbestos-containing materials are spray applied.<br>*If the response to Question VII.E.4 is "NO," go to Question VII.E.5.* | ☐YES ☐NO |
| | a. | Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying.<br>*If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.* | ☐YES ☐NO |
| | b. | Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos. | ☐YES ☐NO |
| | c. | An alternative emission control and waste treatment method is being used that has received prior EPA approval. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 28*** | | | |
| **VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | | |
| **E. Subpart M - National Emission Standard for Asbestos (continued)** | | | |
| ***Asbestos Spray Application* (continued)** | | | |
| | d. | Asbestos-containing waste material is processed into non-friable forms. | ☐YES ☐NO |
| | e. | Asbestos-containing waste material is adequately wetted. | ☐YES ☐NO |
| | f. | Alternative filtering equipment is being used that has received EPA approval. | ☐YES ☐NO |
| | g. | A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles. | ☐YES ☐NO |
| | h. | The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals. | ☐YES ☐NO |
| ***Fabricating Commercial Asbestos*** | | | |
| 5. | | The application area includes a fabricating operation using commercial asbestos. *If the response to Question VII.E.5 is "NO," go to Question VII.E.6.* | ☐YES ☐NO |
| | a. | Visible emissions are discharged to outside air from the manufacturing operation. | ☐YES ☐NO |
| | b. | An alternative emission control and waste treatment method is being used that has received prior EPA approval. | ☐YES ☐NO |
| | c. | Asbestos-containing waste material is processed into non-friable forms. | ☐YES ☐NO |
| | d. | Asbestos-containing waste material is adequately wetted. | ☐YES ☐NO |
| | e. | Alternative filtering equipment is being used that has received EPA approval. | ☐YES ☐NO |

**Texas Commission on Environmental Quality**
**Application Area-Wide Applicability Determinations and General Information**
**Form OP-REQ1**
**Federal Operating Permit Program**

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| ***Form OP-REQ1: Page 29*** | | | |
| **VII.** | **Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| | **E.** | **Subpart M - National Emission Standard for Asbestos (continued)** | |
| | | ***Fabricating Commercial Asbestos* (continued)** | |
| | | f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles. | ☐YES ☐NO |
| | | g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals. | ☐YES ☐NO |
| | | ***Non-sprayed Asbestos Insulation*** | |
| | | 6. The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying. | ☐YES ☐NO |
| | | ***Asbestos Conversion*** | |
| | | 7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material. | ☐YES ☐NO |
| | **F.** | **Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities** | |
| | | 1. The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process. | ☐YES ☒NO |
| | **G.** | **Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations** | |
| | | 1. The application area is located at a benzene production facility and/or bulk terminal.<br>*If the response to Question VII.G.1 is "NO," go to Section VII.H.* | ☐YES ☒NO |
| | | 2. The application area includes benzene transfer operations at marine vessel loading racks. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 30*** | | | |
| **VII.** | **Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| | **G.** | **Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)** | |
| | 3. | The application area includes benzene transfer operations at railcar loading racks. | ☐YES ☐NO |
| | 4. | The application area includes benzene transfer operations at tank-truck loading racks. | ☐YES ☐NO |
| | **H.** | **Subpart FF - National Emission Standard for Benzene Waste Operations** | |
| | | ***Applicability*** | |
| | 1. | The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341. | ☒YES ☐NO |
| | 2. | The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b).<br>*If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.* | ☐YES ☒NO |
| | 3. | The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates.<br>*If the response to Question VII.H.3 is "YES," go to Section VIII.* | ☐YES ☒NO |
| | 4. | The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr).<br>*If the response to Question VII.H.4 is "YES," go to Section VIII* | ☐YES ☒NO |
| | 5. | The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr.<br>*If the response to Question VII.H.5 is "YES," go to Section VIII.* | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 31*** | | | |
| **VII.** | **Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| | **H.** | **Subpart FF - National Emission Standard for Benzene Waste Operations (continued)** | |
| | | ***Applicability* (continued)** | |
| | 6. | The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation. | ☒YES ☐NO |
| | 7. | The application area has waste streams with flow-weighted annual average water content of 10% or greater. | ☒YES ☐NO |
| | | ***Waste Stream Exemptions*** | |
| | 8. | The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw). | ☐YES ☒NO |
| | 9. | The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr. | ☐YES ☒NO |
| | 10. | The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr. | ☐YES ☒NO |
| | 11. | The application area transfers waste off-site for treatment by another facility. | ☒YES ☐NO |
| | 12. | The application area is complying with 40 CFR § 61.342(d). | ☐YES ☒NO |
| | 13. | The application area is complying with 40 CFR § 61.342(e).<br>*If the response to Question VII.H.13 is "NO," go to Question VII.H.15.* | ☐YES ☒NO |
| | 14. | The application area has facility waste with a flow weighted annual average water content of less than 10%. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 32*** | | |
| **VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| **H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)** | | |
| ***Container Requirements*** | | |
| 15. | The application area has containers, as defined in 40 CFR § 61.341, that receive non-exempt benzene waste.<br>*If the response to Question VII.H.15 is "NO," go to Question VII.H.18.* | ☐YES ☒NO |
| 16. | The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers.<br>*If the response to Question VII.H.16 is "YES," go to Question VII.H.18.* | ☐YES ☐NO |
| 17. | Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| ***Individual Drain Systems*** | | |
| 18. | The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste.<br>*If the response to Question VII.H.18 is "NO," go to Question VII.H.25.* | ☒YES ☐NO |
| 19. | The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems.<br>*If the response to Question VII.H.19 is "YES," go to Question VII.H.25.* | ☐YES ☒NO |
| 20. | The application area has individual drain systems complying with 40 CFR § 61.346(a).<br>*If the response to Question VII.H.20 is "NO," go to Question VII.H.22.* | ☒YES ☐NO |
| 21. | Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure. | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 33*** | | | |
| **VII.** | **Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| | **H.** | **Subpart FF - National Emission Standard for Benzene Waste Operations (continued)** | |
| | | ***Individual Drain Systems* (continued)** | |
| | | 22. The application area has individual drain systems complying with 40 CFR § 61.346(b).<br>*If the response to Question VII.H.22 is "NO," go to Question VII.H.25.* | ☒YES ☐NO |
| | | 23. Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation. | ☒YES ☐NO |
| | | 24. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device. | ☐YES ☒NO |
| | | ***Remediation Activities*** | |
| | | 25. Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF. | ☒YES ☐NO |
| **VIII.** | **Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories** | | |
| | **A.** | **Applicability** | |
| ♦ | | 1. The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63.<br>*See instructions for 40 CFR Part 63 subparts made applicable only by reference.* | ☒YES ☐NO |
| | **B.** | **Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry** | |
| | | 1. The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a).<br>*If the response to Question VIII.B.1 is "NO," go to Section VIII.D.* | ☐YES ☒NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)**

| | | |
|---|---|---|
| 2. | The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii).<br>*If the response to Question VIII.B.2 is "NO," go to Section VIII.D.* | ☐YES ☐NO |
| 3. | The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. | ☐YES ☐NO |
| 4. | The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. | ☐YES ☐NO |
| 5. | The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does not use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.<br>*If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 35*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater** | | |
| ***Applicability*** | | |
| 1. | The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F.<br>*If the response to Question VIII.C.1 is "NO," go to Section VIII.D.* | ☐YES ☐NO |
| 2. | The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148. | ☐YES ☐NO |
| 3. | The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148.<br>*If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.* | ☐YES ☐NO |
| 4. | The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping. | ☐YES ☐NO |
| 5. | The application area includes vapor collection systems or closed-vent systems that contain bypass lines that could divert a vent stream away from a control device and to the atmosphere.<br>*If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.* | ☐YES ☐NO |
| ***Vapor Collection and Closed Vent Systems*** | | |
| 6. | Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area. | ☐YES ☐NO |
| 7. | Bypass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 36*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)** | | |
| ***Reloading or Cleaning of Railcars, Tank Trucks, or Barges*** | | |
| 8. | The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank.<br>*If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.* | ☐YES ☐NO |
| 9. | The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater. | ☐YES ☐NO |
| 10. | The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system. | ☐YES ☐NO |
| ***Transfer Racks*** | | |
| 11. | The application area includes Group 1 transfer racks that load organic HAPs. | ☐YES ☐NO |
| ***Process Wastewater Streams*** | | |
| 12. | The application area includes process wastewater streams.<br>*If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.* | ☐YES ☐NO |
| 13. | The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF.<br>*If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.* | ☐YES ☐NO |
| 14. | The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii). | ☐YES ☐NO |
| 15. | The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F.<br>*If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.* | ☐YES ☐NO |

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***Form OP-REQ1: Page 37***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)**

***Process Wastewater Streams* (continued)**

| | | |
|---|---|---|
| 16. | The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii). | ☐YES ☐NO |
| 17. | The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272.<br>*If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.* | ☐YES ☐NO |
| 18. | The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i). | ☐YES ☐NO |
| 19. | The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii). | ☐YES ☐NO |
| 20. | The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds. | ☐YES ☐NO |
| 21. | The application area includes process wastewater streams, located at existing sources that are Group 2. | ☐YES ☐NO |
| 22. | The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds. | ☐YES ☐NO |
| 23. | The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds. | ☐YES ☐NO |

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***Form OP-REQ1: Page 38***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)**

***Process Wastewater Streams* (continued)**

| | | |
|---|---|---|
| 24. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.* | ☐YES ☐NO |
| 25. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.* | ☐YES ☐NO |
| 26. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐YES ☐NO |
| 27. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☐NO |
| 28. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.* | ☐YES ☐NO |
| 29. | The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☐NO |
| 30. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☐NO |

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***Form OP-REQ1: Page 39***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)**

***Drains***

| | | |
|---|---|---|
| 31. | The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.* | ☐YES ☐NO |
| 32. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☐YES ☐NO |
| 33. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☐NO |
| 34. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b).<br>*If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.* | ☐YES ☐NO |
| 35. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d).<br>*If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.* | ☐YES ☐NO |
| 36. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 40*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **C.** | **Subpart G-National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operation, and Wastewater (continued)** | |
| | ***Drains* (continued)** | |
| 37. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute. | ☐YES ☐NO |
| 38. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute. | ☐YES ☐NO |
| | ***Gas Streams*** | |
| 39. | The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant. | ☐YES ☐NO |
| 40. | The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5). | ☐YES ☐NO |
| **D.** | **Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks** | |
| 1. | The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations. | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 41*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **E.** | **Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities** | |
| 1. | The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials.<br>*If the response to Question VIII.E.1 is "NO," go to Section VIII.F.* | ☐YES ☒NO |
| 2. | Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O.<br>*If the response to Question VIII.E.2 is "NO," go to Section VIII.F.* | ☐YES ☐NO |
| 3. | The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996. | ☐YES ☐NO |
| 4. | The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996. | ☐YES ☐NO |
| **F.** | **Subpart Q - National Emission Standards for Industrial Process Cooling Towers** | |
| 1. | The application area includes industrial process cooling towers.<br>*If the response to Question VIII.F.1 is "NO," go to Section VIII.G.* | ☒YES ☐NO |
| 2. | Chromium-based water treatment chemicals have been used on or after September 8, 1994. | ☐YES ☒NO |
| **G.** | **Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)** | |
| 1. | The application area includes a bulk gasoline terminal. | ☐YES ☒NO |
| 2. | The application area includes a pipeline breakout station.<br>*If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.* | ☐YES ☒NO |
| 3. | The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station.<br>*If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 42*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (continued)** | | |
| 4. | The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs.<br>*If the response to Question VIII.G.4 is "YES," go to Question VIII.G.10.* | ☐YES ☐NO |
| 5. | An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station.<br>*If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.* | ☐YES ☐NO |
| 6. | The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep).<br>*If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.* | ☐YES ☐NO |
| 7. | Emissions screening factor less than 0.5 (ET or EP < 0.5).<br>*If the response to Question VIII.G.7 is "YES," go to Section VIII.H.* | ☐YES ☐NO |
| 8. | Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0).<br>*If the response to Question VIII.G.8 is "YES," go to Section VIII.H.* | ☐YES ☐NO |
| 9. | Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0).<br>*If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.* | ☐YES ☐NO |
| 10. | The site at which the application area is located is a major source of HAP.<br>*If the response to Question VIII.G.10 is "NO," go to Section VIII.H.* | ☐YES ☐NO |
| 11. | The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f). | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**H. Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry**

| | | |
|---|---|---|
| 1. | The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2.<br>*If the response to Question VIII.H.1 is "NO," go to Section VIII.I.* | ☐YES ☒NO |
| 2. | The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3).<br>*If the response to Question VIII.H.2 is "NO," go to Section VIII.I.* | ☐YES ☐NO |
| 3. | The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources.<br>*If the response to Question VIII.H.3 is "NO," go to Section VIII.I.* | ☐YES ☐NO |
| 4. | The application area includes one or more kraft pulping systems that are existing sources. | ☐YES ☐NO |
| 5. | The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill. | ☐YES ☐NO |
| 6. | The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24.<br>*If the response to Question VIII.H.6 is "NO," go to Section VIII.I.* | ☐YES ☐NO |
| 7. | The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i). | ☐YES ☐NO |
| 8. | The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii). | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**I. Subpart T - National Emission Standards for Halogenated Solvent Cleaning**

| | | |
|---|---|---|
| 1. | The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent. | ☐YES ☒NO |
| 2. | The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride. | ☐YES ☒NO |
| 3. | The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride. | ☐YES ☒NO |

**J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins**

| | | |
|---|---|---|
| 1. | The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units.<br>*If the response to Question VIII.J.1 is "NO," go to Section VIII.K.* | ☐YES ☒NO |
| 2. | Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U.<br>*If the response to Question VIII.J.2 is "NO," go to Section VIII.K.* | ☐YES ☐NO |
| 3. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482. | ☐YES ☐NO |
| 4. | The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**

| | | |
|---|---|---|
| 5. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.* | ☐YES ☐NO |
| 6. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.* | ☐YES ☐NO |
| 7. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐YES ☐NO |
| 8. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☐NO |
| 9. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.* | ☐YES ☐NO |
| 10. | The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 46*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)** | | |
| ***Containers*** | | |
| 11. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☐NO |
| ***Drains*** | | |
| 12. | The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.* | ☐YES ☐NO |
| 13. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☐YES ☐NO |
| 14. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☐NO |
| 15. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit.<br>*If the response to Question VIII.J.15 is "NO," go to Section VIII.K.* | ☐YES ☐NO |
| 16. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12).<br>*If the response to Question VIII.J.16 is "NO," go to Section VIII.K.* | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**

***Drains* (continued)**

| | | |
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| 17. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate. | ☐YES ☐NO |
| 18. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute. | ☐YES ☐NO |
| 19. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute. | ☐YES ☐NO |

**K. Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production**

| | | |
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| 1. | The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area.<br>*If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.* | ☐YES ☐NO ☒N/A |
| 2. | The application area includes a BLR and/or WSR research and development facility. | ☐YES ☐NO |

**Texas Commission on Environmental Quality**
**Application Area-Wide Applicability Determinations and General Information**
**Form OP-REQ1**
**Federal Operating Permit Program**

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| ***Form OP-REQ1: Page 48*** | | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | | |
| **L.** | **Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting** | | |
| | 1. | The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter.<br>*If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.* | ☐YES ☐NO ☒N/A |
| | 2. | The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources. | ☐YES ☐NO |
| **M.** | **Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations** | | |
| | 1. | The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561. | ☐YES ☒NO |
| **N.** | **Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries** | | |
| | ***Applicability*** | | |
| | 1. | The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7).<br>*If the response to Question VIII.N.1 is "NO," go to Section VIII.O.* | ☐YES ☒NO |
| | 2. | All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7).<br>*If the response to Question VIII.N.2 is "YES," go to Section VIII.O.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 49*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)** | | |
| ***Applicability* (continued)** | | |
| 3. | The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a).<br>*If the response to Question VIII.N.3 is "NO," go to Section VIII.O.* | ☐YES ☐NO |
| 4. | The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC.<br>*If the response to Question VIII.N.4 is "NO," go to Section VIII.O.* | ☐YES ☐NO |
| 5. | The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. | ☐YES ☐NO |
| 6. | The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. | ☐YES ☐NO |
| 7. | The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.<br>*If the response to Question VIII.N.7 is "NO," go to Section VIII.O.* | ☐YES ☐NO |
| 8. | The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i). | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 50*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **N.** | **Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)** | |
| | ***Applicability* (continued)** | |
| 9. | The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii).<br>*If the response to Question VIII.N.9 is "NO," go to Section VIII.O.* | ☐YES ☐NO |
| 10. | The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992. | ☐YES ☐NO |
| | ***Containers, Drains, and other Appurtenances*** | |
| 11. | The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii). | ☐YES ☐NO |
| 12. | The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii). | ☐YES ☐NO |
| **O.** | **Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations** | |
| 1. | The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1).<br>*If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P* | ☐YES ☐NO ☒N/A |
| 2. | Materials specified in 40 CFR § 63.680(b)(2) are received at the application area. | ☐YES ☐NO |
| 3. | The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)**

| | | |
|---|---|---|
| 4. | The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10). | ☐YES ☐NO |
| 5. | The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a "state" or "municipality." | ☐YES ☐NO |
| 6. | The predominant activity in the application area is the treatment of wastewater received from off-site. | ☐YES ☐NO |
| 7. | The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6). | ☐YES ☐NO |
| 8. | The application area has a recovery operation that recycles or reprocesses used solvent which is an off-site material and is not part of a chemical, petroleum, or other manufacturing process that is required to use air emission controls by another subpart of 40 CFR Part 63 or Part 61. | ☐YES ☐NO |
| 9. | The application area has a recovery operation that re-refines or reprocesses used oil which is an off-site material and is regulated under 40 CFR Part 279, Subpart F (Standards for Used Oil Processors and Refiners). | ☐YES ☐NO |
| 10. | The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year.<br>*If the response to Question VIII.O.10 is "YES," go to Section VIII.P.* | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)**

| | | |
|---|---|---|
| 11. | The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater.<br>*If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.* | ☐YES ☐NO |
| 12. | VOHAP concentration is determined by direct measurement. | ☐YES ☐NO |
| 13. | VOHAP concentration is based on knowledge of the off-site material. | ☐YES ☐NO |
| 14. | The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system.<br>*If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.* | ☐YES ☐NO |
| 15. | An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight. | ☐YES ☐NO |
| 16. | An equipment component in the application area is intended to operate 300 hours or more during a 12-month period. | ☐YES ☐NO |
| 17. | The application area includes containers that manage non-exempt off-site material. | ☐YES ☐NO |
| 18. | The application area includes individual drain systems that manage non-exempt off-site materials. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**P. Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities**

| | | | |
|---|---|---|---|
| | 1. | The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components.<br>*If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.* | ☐YES ☐NO ☒N/A |
| | 2. | The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7). | ☐YES ☐NO |

**Q. Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.**

| | | | |
|---|---|---|---|
| ♦ | 1. | The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer. | ☐YES ☒NO |
| ♦ | 2. | The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user.<br>*For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.*<br>*For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.* | ☐YES ☒NO |
| ♦ | 3. | The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761.<br>*For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.*<br>*For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.* | ☐YES ☐NO |
| ♦ | 4. | The application area is located at a site that is a major source of HAP.<br>*If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.* | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**Q. Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)**

| | | | |
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| ♦ | 5. | The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 $ft^3$) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day.<br>*For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.*<br>*For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.*<br>*For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.* | ☐YES ☐NO |
| ♦ | 6. | The application area includes a triethylene glycol (TEG) dehydration unit.<br>*For SOP applications, f the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.* | ☐YES ☐NO |
| ♦ | 7. | The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761. | ☐YES ☐NO |
| ♦ | 8. | The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP. | ☐YES ☐NO |
| ♦ | 9. | Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii). | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 55*** | | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | | |
| **R.** | **Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)** | | |
| | 1. | The application area includes shipbuilding or ship repair operations.<br>*If the response to Question VIII.R.1 is "NO," go to Section VIII.S.* | ☐YES ☒NO |
| | 2. | Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II. | ☐YES ☐NO |
| **S.** | **Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations** | | |
| | 1. | The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations.<br>*If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.* | ☐YES ☐NO ☒N/A |
| | 2. | The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801. | ☐YES ☐NO |
| **T.** | **Subpart KK - National Emission Standards for the Printing and Publishing Industry** | | |
| | 1. | The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses. | ☐YES ☐NO ☒N/A |
| **U.** | **Subpart PP - National Emission Standards for Containers** | | |
| | 1. | The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions.<br>*If the response to Question VIII.U.1 is "NO," go to Section VIII.V.* | ☐YES ☒NO |
| | 2. | The application area includes containers using Container Level 1 controls. | ☐YES ☐NO |
| | 3. | The application area includes containers using Container Level 2 controls. | ☐YES ☐NO |

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| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | | |
| **U.** | **Subpart PP - National Emission Standards for Containers (continued)** | | |
| | 4. | The application area includes containers using Container Level 3 controls. | ☐YES ☐NO |
| **V.** | **Subpart RR - National Emission Standards for Individual Drain Systems** | | |
| | 1. | The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions. | ☐YES ☒NO |
| **W.** | **Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards** | | |
| | 1. | The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. | ☐YES ☒NO |
| | 2. | The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.<br>*If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.* | ☐YES ☒NO |
| | 3. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c). | ☐YES ☐NO |
| | 4. | The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c). | ☐YES ☐NO |
| | 5. | All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr. | ☐YES ☐NO |
| | 6. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.* | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

| | | |
|---|---|---|
| 7. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐YES ☐NO |
| 8. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☐NO |
| 9. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.* | ☐YES ☐NO |
| 10. | The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☐NO |
| 11. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☐NO |
| 12. | The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.* | ☐YES ☐NO |
| 13. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices. | ☐YES ☐NO |
| 14. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

| | | |
|---|---|---|
| 15. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit.<br>*If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.* | ☐YES ☐NO |
| 16. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3).<br>*If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.* | ☐YES ☐NO |
| 17. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate. | ☐YES ☐NO |
| 18. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

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| 19. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute. | ☐YES ☐NO |
| 20. | The application area includes an ethylene production process unit. | ☐YES ☒NO ☐N/A |
| 21. | The application area includes waste streams generated from an ethylene production process unit.<br>*If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.* | ☐YES ☒NO ☐N/A |
| 22. | The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1).<br>*If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |
| 23. | Waste stream(s) are transferred off-site for treatment.<br>*If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.* | ☐YES ☐NO |
| 24. | The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment.<br>*If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |

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***Form OP-REQ1: Page 60***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

| | | |
|---|---|---|
| 25. | The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a). | ☐YES ☐NO |
| 26. | The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b).<br>*If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 27. | The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control.<br>*If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 28. | The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s).<br>*If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.* | ☐YES ☐NO |
| 29. | The application area includes containers that receive, manage, or treat a continuous butadiene waste stream. | ☐YES ☐NO |
| 30. | The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream.<br>*If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 31. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☐YES ☐NO |

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***Form OP-REQ1: Page 61***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

| | | |
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| 32. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.<br>*If the response to Question VIII.W.32 is required, go to Question VIII.W.43.* | ☐YES ☐NO |
| 33. | The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream.<br>*If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.* | ☐YES ☐NO |
| 34. | The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers.<br>*If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.* | ☐YES ☐NO |
| 35. | Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| 36. | The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream.<br>*If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 37. | The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems.<br>*If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.* | ☐YES ☐NO |

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***Form OP-REQ1: Page 62***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

| | | |
|---|---|---|
| 38. | The application area has individual drain systems complying with 40 CFR § 61.346(a).<br>*If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.* | ☐YES ☐NO |
| 39. | Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| 40. | The application area has individual drain systems complying with 40 CFR § 61.346(b).<br>*If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 41. | Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation. | ☐YES ☐NO |
| 42. | Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device. | ☐YES ☐NO |
| 43. | The application area has at least one waste stream that contains benzene.<br>*If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |
| 44. | The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene.<br>*If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.* | ☐YES ☐NO |
| 45. | The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers.<br>*If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.* | ☐YES ☐NO |

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***Form OP-REQ1: Page 63***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

| | | |
|---|---|---|
| 46. | Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| 47. | The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene.<br>*If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |
| 48. | The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems.<br>*If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.* | ☐YES ☐NO |
| 49. | The application area has individual drain systems complying with 40 CFR § 61.346(a).<br>*If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.* | ☐YES ☐NO |
| 50. | Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| 51. | The application area has individual drain systems complying with 40 CFR § 61.346(b).<br>*If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |
| 52. | Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation. | ☐YES ☐NO |

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***Form OP-REQ1: Page 64***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

| | | |
|---|---|---|
| 53. | Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device. | ☐YES ☐NO |
| 54. | The application area contains a cyanide chemicals manufacturing process.<br>*If the response to Question VIII.W.54 is "NO," go to Section VIII.X.* | ☐YES ☒NO |
| 55. | The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile. | ☐YES ☐NO |

**X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**

| | | |
|---|---|---|
| 1. | The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ.<br>*If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.* | ☐YES ☒NO |
| 2. | The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units.<br>*If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.* | ☐YES ☐NO |
| 3. | All process wastewater streams generated or managed in the application area are from sources producing polystyrene.<br>*If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.* | ☐YES ☐NO |
| 4. | All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN.<br>*If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.* | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**

| | | |
|---|---|---|
| 5. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312. | ☐YES ☐NO |
| 6. | The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312. | ☐YES ☐NO |
| 7. | The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312. | ☐YES ☐NO |
| 8. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.* | ☐YES ☐NO |
| 9. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.* | ☐YES ☐NO |
| 10. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐YES ☐NO |
| 11. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☐NO |
| 12. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 66*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)** | | |
| | 13. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☐NO |
| | ***Containers*** | |
| | 14. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☐NO |
| | ***Drains*** | |
| | 15. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.* | ☐YES ☐NO |
| | 16. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☐YES ☐NO |
| | 17. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☐NO |
| | 18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit.<br>*If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 67*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)** | | |
| ***Drains* (continued)** | | |
| 19. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.* | ☐YES ☐NO |
| 20. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate. | ☐YES ☐NO |
| 21. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute. | ☐YES ☐NO |
| 22. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 68*** | | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | | |
| | **Y.** | **Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.** | |
| | 1. | The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units. | ☐YES ☒NO |
| | **Z.** | **Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.** | |
| ♦ | 1. | The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills. | ☐YES ☒NO |
| | **AA.** | **Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)** | |
| | 1. | The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1). | ☐YES ☒NO |
| | 2. | The application area is located at a plant site that is a major source as defined in FCAA § 112(a). | ☒YES ☐NO |
| | 3. | The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP.<br>*If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.* | ☐YES ☒NO |
| | 4. | The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF.<br>*If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.* | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)**

| | | |
|---|---|---|
| 5. | The application area includes process wastewater streams.<br>*If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.* | ☐YES ☐NO |
| 6. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF. | ☐YES ☐NO |
| 7. | The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF. | ☐YES ☐NO |
| 8. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.* | ☐YES ☐NO |
| 9. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.* | ☐YES ☐NO |
| 10. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐YES ☐NO |
| 11. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☐NO |
| 12. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.* | ☐YES ☐NO |

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***Form OP-REQ1: Page 70***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)**

| | | |
|---|---|---|
| 13. | Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h).<br>*If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.* | ☐YES ☐NO |
| 14. | The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected. | ☐YES ☐NO |
| 15. | Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite.<br>*If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.* | ☐YES ☐NO |
| 16. | The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit. | ☐YES ☐NO |
| 17. | The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☐NO |
| 18. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☐NO |
| 19. | The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.* | ☐YES ☐NO |
| 20. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)**

| | | |
|---|---|---|
| 21. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☐NO |
| 22. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b).<br>*If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.* | ☐YES ☐NO |
| 23. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d).<br>*If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.* | ☐YES ☐NO |
| 24. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flow rate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr. | ☐YES ☐NO |
| 25. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flow rate is greater than or equal to 1 liter per minute. | ☐YES ☐NO |
| 26. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 72*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)** | | |
| **BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.** | | |
| 1. | The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions. | ☐YES ☒NO |
| **CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation** | | |
| 1. | The application area includes a facility at which a site remediation is conducted.<br>*If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.* | ☐YES ☒NO |
| 2. | The application area is located at a site that is a major source of HAP.<br>*If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.* | ☐YES ☐NO |
| 3. | All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6).<br>*If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.* | ☐YES ☐NO |
| 4. | Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr.<br>*If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.* | ☐YES ☐NO |
| 5. | The site remediation will be completed within 30 consecutive calendar days. | ☐YES ☐NO |
| 6. | No site remediation will exceed 30 consecutive calendar days.<br>*If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.* | ☐YES ☐NO |
| 7. | Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. | ☐YES ☐NO |
| 8. | All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.<br>*If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.* | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)**

| | | |
|---|---|---|
| 9. | The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG.<br>*If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.* | ☐YES ☐NO |
| 10. | The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b). | ☐YES ☐NO |
| 11. | The application area includes containers with a capacity greater than 0.46 $m^3$ that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii). | ☐YES ☐NO |
| 12. | The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b). | ☐YES ☐NO |
| 13. | The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b). | ☐YES ☐NO |
| 14. | The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962. | ☐YES ☐NO |

**DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities**

| | | |
|---|---|---|
| 1. | The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions.<br>*If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.* | ☐YES ☒NO |
| 2. | The EAF steelmaking facility is a research and development facility.<br>*If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.* | ☐YES ☐NO |
| 3. | Metallic scrap is utilized in the EAF. | ☐YES ☐NO |
| 4. | Scrap containing motor vehicle scrap is utilized in the EAF. | ☐YES ☐NO |
| 5. | Scrap not containing motor vehicle scrap is utilized in the EAF. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities**

| | | |
|---|---|---|
| 1. | The application area is located at a site that is an area source of HAPs.<br>*If the answer to Question EE.1 is "NO," go to Section VIII.FF.* | ☐YES ☒NO |
| 2. | The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R. | ☐YES ☐NO |
| 3. | The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB. | ☐YES ☐NO |
| 4. | The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB.<br>*If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.* | ☐YES ☐NO |
| 5. | The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a). | ☐YES ☐NO |
| 6. | The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC.<br>*If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.* | ☐YES ☐NO |
| 7. | The bulk gasoline terminal has throughput of less than 250,000 gallons per day.<br>*If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.* | ☐YES ☐NO |
| 8. | The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks. | ☐YES ☐NO |
| 9. | The bulk gasoline terminal loads gasoline into railcar cargo tanks.<br>*If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.* | ☐YES ☐NO |
| 10. | The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**

| | | | |
|---|---|---|---|
| | 11. | The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit. | ☐YES ☐NO |

**FF. Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities**

| | | | |
|---|---|---|---|
| ♦ | 1. | The application area is located at a site that is an area source of hazardous air pollutants.<br>*If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.* | ☐YES ☒NO |
| ♦ | 2. | The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132.<br>*If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.* | ☐YES ☐NO |
| ♦ | 3. | The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment. | ☐YES ☐NO |

**GG. Recently Promulgated 40 CFR Part 63 Subparts**

| | | | |
|---|---|---|---|
| ♦ | 1. | The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form.<br>*If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.* | ☐YES ☒NO |
| ♦ | 2. | Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. | |

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| **IX.** | **Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10. | ☐YES ☒NO |
| **X.** | **Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone** | | |
| | **A.** | **Subpart A - Production and Consumption Controls** | |
| ♦ | 1. | The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product. | ☐YES ☒NO ☐N/A |
| | **B.** | **Subpart B - Servicing of Motor Vehicle Air Conditioners** | |
| ♦ | 1. | Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area. | ☐YES ☒NO |
| | **C.** | **Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances** | |
| ♦ | 1. | The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C. | ☐YES ☐NO ☒N/A |
| | **D.** | **Subpart D - Federal Procurement** | |
| ♦ | 1. | The application area is owned/operated by a department, agency, or instrumentality of the United States. | ☐YES ☐NO ☒N/A |
| | **E.** | **Subpart E - The Labeling of Products Using Ozone Depleting Substances** | |
| ♦ | 1. | The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer. | ☐YES ☐NO ☒N/A |
| ♦ | 2. | The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance. | ☐YES ☐NO ☒N/A |
| ♦ | 3. | The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance. | ☐YES ☐NO ☒N/A |

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| **X.** | **Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)** | | | |
| | **F.** | **Subpart F - Recycling and Emissions Reduction** | | |
| ♦ | 1. | Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area. | ☒YES | ☐NO |
| ♦ | 2. | Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area. | ☐YES | ☒NO ☐N/A |
| ♦ | 3. | The application area manufactures appliances or refrigerant recycling and recovery equipment. | ☐YES | ☒NO ☐N/A |
| | **G.** | **Subpart G - Significant New Alternatives Policy Program** | | |
| ♦ | 1. | The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound.<br>*If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.* | ☐YES | ☐NO ☒N/A |
| ♦ | 2. | All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7). | ☐YES | ☐NO ☐N/A |
| | **H.** | **Subpart H -Halon Emissions Reduction** | | |
| ♦ | 1. | Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area. | ☐YES | ☐NO ☒N/A |
| ♦ | 2. | Disposal of halons or manufacturing of halon blends is conducted in the application area. | ☐YES | ☐NO ☒N/A |
| **XI.** | **Miscellaneous** | | | |
| | **A.** | **Requirements Reference Tables (RRT) and Flowcharts** | | |
| | 1. | The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart. | ☐YES | ☒NO |

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| **XI.** | **Miscellaneous (continued)** | | |
| | **B.** | **Forms** | |
| ♦ | 1. | The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form.<br>*If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.* | ☐YES ☒NO ☐N/A |
| ♦ | 2. | Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below. | |
| | **C.** | **Emission Limitation Certifications** | |
| ♦ | 1. | The application area includes units for which federally enforceable emission limitations have been established by certification. | ☐YES ☒NO |
| | **D.** | **Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements** | |
| | 1. | The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP). | ☐YES ☒NO |
| | 2. | The application area includes units located at the site that are subject to a site-specific requirement of the SIP. | ☐YES ☒NO |
| | 3. | The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator.<br>*If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.* | ☐YES ☒NO |
| | 4. | The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director.<br>*If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.* | ☐YES ☒NO |

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| **XI.** | **Miscellaneous (continued)** | | |
| | **E.** | **Title IV - Acid Rain Program** | |
| | 1. | The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program. | ☐YES ☒NO |
| | 2. | The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7. | ☐YES ☒NO |
| | 3. | The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8. | ☐YES ☒NO |
| | **F.** | **40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) $NO_X$ Ozone Season Group 2 Trading Program** | |
| | 1. | The application area includes emission units subject to the requirements of the CSAPR $NO_X$ Ozone Season Group 2 Trading Program.<br>*If the response to Question XI.F.1 is "NO," go to Question XI.F.7.* | ☐YES ☒NO |
| | 2. | The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for $NO_X$ and heat input. | ☐YES ☐NO |
| | 3. | The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for $NO_X$, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input. | ☐YES ☐NO |
| | 4. | The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for $NO_X$, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input. | ☐YES ☐NO |
| | 5. | The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for $NO_X$ and heat input. | ☐YES ☐NO |
| | 6. | The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for $NO_X$ and heat input. | ☐YES ☐NO |
| | 7. | The application area includes emission units that qualify for the CSAPR $NO_X$ Ozone Season Group 2 retired unit exemption. | ☐YES ☒NO |

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| **XI.** | **Miscellaneous (continued)** | | |
| | **G.** | **40 CFR Part 97, Subpart FFFFF - Texas $SO_2$ Trading Program** | |
| | 1. | The application area includes emission units complying with the requirements of the Texas $SO_2$ Trading Program.<br>*If the response to Question XI.G.1 is "NO," go to Question XI.G.6.* | ☐YES ☒NO |
| | 2. | The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for $SO_2$ and 40 CFR Part 75, Subpart H for heat input. | ☐YES ☐NO |
| | 3. | The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for $SO_2$ and heat input. | ☐YES ☐NO |
| | 4. | The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for $SO_2$ and heat input. | ☐YES ☐NO |
| | 5. | The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for $SO_2$ and heat input. | ☐YES ☐NO |
| | 6. | The application area includes emission units that qualify for the Texas $SO_2$ Trading Program retired unit exemption. | ☐YES ☒NO |
| | **H.** | **Permit Shield (SOP Applicants Only)** | |
| | 1. | A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit. | ☒YES ☐NO |

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**XI. Miscellaneous (continued)**

**I. GOP Type (Complete this section for GOP applications only)**

| | | | |
|---|---|---|---|
| ♦ | 1. | The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties. | ☐YES ☐NO |
| ♦ | 2. | The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties. | ☐YES ☐NO |
| ♦ | 3. | The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties. | ☐YES ☐NO |
| ♦ | 4. | The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County. | ☐YES ☐NO |
| ♦ | 5. | The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit. | ☐YES ☐NO |

**J. Title 30 TAC Chapter 101, Subchapter H**

| | | | |
|---|---|---|---|
| ♦ | 1. | The application area is located in a nonattainment area.<br>*If the response to Question XI.J.1 is "NO," go to question XI.J.3.* | ☒YES ☐NO |
| ♦ | 2. | The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program. | ☒YES ☐NO ☐N/A |
| ♦ | 3. | The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program. | ☒YES ☐NO ☐N/A |

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| **XI.** | **Miscellaneous (continued)** | | |
| | **J.** | **Title 30 TAC Chapter 101, Subchapter H (continued)** | |
| ♦ | 4. | The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of $NO_X$. | ☒YES ☐NO |
| ♦ | 5. | The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I. | ☐YES ☒NO |
| ♦ | 6. | The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2. | ☒YES ☐NO |
| ♦ | 7. | The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program. | ☐YES ☒NO |
| | **K.** | **Periodic Monitoring** | |
| ♦ | 1. | The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application. | ☐YES ☒NO |
| ♦ | 2. | The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.* | ☒YES ☐NO |
| ♦ | 3. | All periodic monitoring requirements are being removed from the permit with this application. | ☐YES ☒NO |

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| **XI.** | **Miscellaneous (continued)** | | |
| | **L.** | **Compliance Assurance Monitoring** | |
| ♦ | 1. | The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source.<br>*If the response to Question XI.L.1 is "NO," go to Section XI.M.* | ☐YES ☒NO |
| ♦ | 2. | The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement.<br>*If the response to Question XI.L.2 is "NO," go to Section XI.M.* | ☐YES ☐NO |
| ♦ | 3. | The permit holder has submitted a CAM proposal on Form OP-MON in a previous application. | ☐YES ☐NO |
| ♦ | 4. | The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application.<br>*If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.* | ☐YES ☐NO |
| | 5. | The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit. | ☐YES ☐NO |
| | 6. | Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below. | |
| ♦ | 7. | At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). | ☐YES ☐NO |
| ♦ | 8. | All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).<br>*If the response to Question XI.L.8 is "YES," go to Section XI.M.* | ☐YES ☐NO |

| | |
|---|---|
| Date: | **09/26/2024** |
| Permit No.: | **O1625** |
| RN No.: | **RN100542224** |

*For SOP applications, answer ALL questions unless otherwise directed.*
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

| | | | |
|---|---|---|---|
| ***Form OP-REQ1: Page 84*** | | | |
| **XI.** | **Miscellaneous (continued)** | | |
| | **L.** | **Compliance Assurance Monitoring (continued)** | |
| ♦ | 9. | At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1. | ☐YES ☐NO |
| ♦ | 10. | At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1. | ☐YES ☐NO |
| ♦ | 11. | At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1. | ☐YES ☐NO |
| ♦ | 12. | The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass. | ☐YES ☐NO |
| | **M.** | **Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times** | |
| ♦ | 1. | The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004.<br>*If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.* | ☐YES ☒NO ☐N/A |
| ♦ | 2. | All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| **XII.** | **New Source Review (NSR) Authorizations** | | |
| | **A.** | **Waste Permits with Air Addendum** | |
| ♦ | 1. | The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum.<br>*If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.* | ☐YES ☒NO |

| | |
|---|---|
| Date: | **09/26/2024** |
| Permit No.: | **O1625** |
| RN No.: | **RN100542224** |

*For SOP applications, answer ALL questions unless otherwise directed.*
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

| | | | |
|---|---|---|---|
| ***Form OP-REQ1: Page 85*** | | | |
| **XII. New Source Review (NSR) Authorizations (continued)** | | | |
| | **B.** | **Air Quality Standard Permits** | |
| ♦ | 1. | The application area includes at least one Air Quality Standard Permit NSR authorization.<br>*If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.* | ☐YES ☒NO |
| ♦ | 2. | The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617. | ☐YES ☐NO |
| ♦ | 3. | The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620. | ☐YES ☐NO |
| ♦ | 5. | The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization. | ☐YES ☐NO |
| ♦ | 6. | The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621. | ☐YES ☐NO |
| ♦ | 7. | The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U. | ☐YES ☐NO |
| | 8. | The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| ♦ | 9. | The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| ♦ | 10. | The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |

| | |
|---|---|
| Date: | **09/26/2024** |
| Permit No.: | **O1625** |
| RN No.: | **RN100542224** |

*For SOP applications, answer ALL questions unless otherwise directed.*
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

| | | | |
|---|---|---|---|
| ***Form OP-REQ1: Page 86*** | | | |
| **XII.** | **New Source Review (NSR) Authorizations (continued)** | | |
| | **B.** | **Air Quality Standard Permits (continued)** | |
| ♦ | 11. | The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| ♦ | 12. | The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization.<br>*If the response to XII.B.12 is "NO," go to Question XII.B.15.* | ☐YES ☐NO |
| ♦ | 13. | For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region. | ☐YES ☐NO |
| ♦ | 14. | For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region. | ☐YES ☐NO |
| ♦ | 15. | The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| ♦ | 16. | The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| | **C.** | **Flexible Permits** | |
| | 1. | The application area includes at least one Flexible Permit NSR authorization. | ☐YES ☒NO |
| | **D.** | **Multiple Plant Permits** | |
| | 1. | The application area includes at least one Multi-Plant Permit NSR authorization. | ☐YES ☒NO |

| | |
|---|---|
| Date: | **09/26/2024** |
| Permit No.: | **O1625** |
| RN No.: | **RN100542224** |

*For SOP applications, answer ALL questions unless otherwise directed.*
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

***Form OP-REQ1: Page 87***

**XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)**

**E. PSD Permits and PSD Major Pollutants**

| | | |
|---|---|---|
| PSD Permit No.: | Issuance Date: | Pollutant(s): |
| PSD Permit No.: | Issuance Date: | Pollutant(s): |
| PSD Permit No.: | Issuance Date: | Pollutant(s): |
| PSD Permit No.: | Issuance Date: | Pollutant(s): |

*If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.*

**F. Nonattainment (NA) Permits and NA Major Pollutants**

| | | |
|---|---|---|
| NA Permit No.: | Issuance Date: | Pollutant(s): |
| NA Permit No.: | Issuance Date: | Pollutant(s): |
| NA Permit No.: | Issuance Date: | Pollutant(s): |
| NA Permit No.: | Issuance Date: | Pollutant(s): |

*If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.*

**G. NSR Authorizations with FCAA § 112(g) Requirements**

| | | | |
|---|---|---|---|
| NSR Permit No.: | Issuance Date: | NSR Permit No.: | Issuance Date: |
| NSR Permit No.: | Issuance Date: | NSR Permit No.: | Issuance Date: |
| NSR Permit No.: | Issuance Date: | NSR Permit No.: | Issuance Date: |
| NSR Permit No.: | Issuance Date: | NSR Permit No.: | Issuance Date: |

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

| | | | |
|---|---|---|---|
| Authorization No.: 5252 | Issuance Date: 10/10/2023 | Authorization No.: | Issuance Date: |
| Authorization No.: | Issuance Date: | Authorization No.: | Issuance Date: |
| Authorization No.: | Issuance Date: | Authorization No.: | Issuance Date: |
| Authorization No.: | Issuance Date: | Authorization No.: | Issuance Date: |

**Texas Commission on Environmental Quality**
**Application Area-Wide Applicability Determinations and General Information**
**Form OP-REQ1**
**Federal Operating Permit Program**

| | |
|---|---|
| Date: | **09/26/2024** |
| Permit No.: | **O1625** |
| RN No.: | **RN100542224** |

*For SOP applications, answer ALL questions unless otherwise directed.*
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

| ***Form OP-REQ1: Page 88*** | |
|---|---|
| **XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)** | |
| ♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area** | |
| *A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.* | |
| PBR No.: 106.261 | Version No./Date: 11/01/2003 |
| PBR No.: 106.262 | Version No./Date: 11/01/2003 |
| PBR No.: 106.263 | Version No./Date: 11/01/2001 |
| PBR No.: 106.264 | Version No./Date: 09/04/2000 |
| PBR No.: 106.433 | Version No./Date: 09/04/2000 |
| PBR No.: 106.452 | Version No./Date: 09/04/2000 |
| PBR No.: 106.472 | Version No./Date: 09/04/2000 |
| PBR No.: 106.476 | Version No./Date: 09/04/2000 |
| PBR No.: 51 | Version No./Date: 06/24/1994 |
| PBR No.: 118 | Version No./Date: 05/20/1994 |
| PBR No.: | Version No./Date: |
| PBR No.: | Version No./Date: |
| PBR No.: | Version No./Date: |
| PBR No.: | Version No./Date: |
| ♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum** | |
| Permit No.: | Issuance Date: |
| Permit No.: | Issuance Date: |
| Permit No.: | Issuance Date: |
| Permit No.: | Issuance Date: |

**Permit By Rule Supplemental Table (Page 1)**
**Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|---|---|---|---|
| Dry Abrasive Cleaning | 55768 | 106.452 | 7/30/2003 |
| FUGPAINT | 76216 | 106.433 | 7/8/2005 |
| FUG-VOC | 89124 | 106.262 | 6/30/2009 |
| Drum | 91703 | 106.262 | 2/11/2010 |
| FUG-HRVOC (ethylene)<br>FUG-BZ (benzene) | 114165 | 106.262 | 1/15/2014 |
| FL | 151069 | 106.264 | 3/26/2018 |
| CTOTANK | 151153 | 106.262 | 4/26/2018 |
| FUG-HRVOC/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 164616 | 106.261, 106.262 | 4/21/2021 |
| Temp TT LD/TempFUG | 167423 | 106.261, 106.262 | 1/20/2022 |
| FUG-NH3/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 168481 | 106.262 | 4/15/2022 |

**Permit By Rule Supplemental Table (Page 1)**
**Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|---|---|---|---|
| MT-307 Storage tank | 112233 | Standard Exemption 51 | 6/24/1994 |
| MT-307 Unit tank | 112233 | Standard Exemption 51 | 6/24/1994 |
| Reactor Replacement (increase size), Heat Exchanger replacement, desuperheater installation, and 3rd vent compressor | 23151 | Standard Exemption 118 | 5/20/1994 |
| FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 172279 | 106.261, 106.262 | 05/09/2023 |
| D5000 and D5040, VLP SAN Storage Silos<br>V5531 and V5541, ASA Feed Hoppers<br>S5610 ASA Extruder<br>D5708 ASA Pelletizer<br>D7500, D7510, D7520, ASA Blending Silos<br>V5581, ASA Rework Hopper | 173796 | 106.261, 106.262 | 09/19/2023 |
| TEMP EB LD<br>FUG-VOC/Fugitives | 174454 | 106.262 | 11/15/2023 |
| FUG-VOC/Fugitives | 175935 | 106.261, 106.262 | 04/08/2024 |
| | | | |

**Permit By Rule Supplemental Table (Page 2)**
**Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date |
|---|---|---|
| Misc MSS Activities | 106.263 | 11/1/2001 |
| MS-107 | 106.476 | 9/4/2000 |
| CTOTANK and CTOVENT | 106.472 | 9/4/2000 |
| TEMP EB LD | 106.476 | 11/1/2001 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

**Permit By Rule Supplemental Table (Page 3)**
**Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| 09/26/2024 | O1625 | RN100542224 |

| PBR No. | Version No./Date |
|---|---|
| | |
| | |
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**Permit By Rule Supplemental Table (Page 4)**
**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement |
|---|---|---|---|
| Dry Abrasive Cleaning | 106.452 | 55768 | Operating hours and abrasive material used. |
| FUGPAINT | 106.433 | 76216 | Coatings and solvent use; hours of operation |
| FUG-VOC | 106.262 | 89124 | Annual and hourly emissions |
| Drum | 106.262 | 91703 | Records of Drum loading throughput |
| FUG-HRVOC (ethylene)<br>FUG-BZ (benzene) | 106.262 | 114165 | Annual and hourly emissions |
| FL | 106.264 | 151069 | Annual and hourly emissions based on continuous flow monitor |
| CTOTANK | 106.262 | 151153 | Annual and hourly emissions based on temperature and flow |
| FUG-HRVOC/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 106.261/106.262 | 164616 | Annual and hourly emissions |
| Temp TT LD/TempFUG | 106.261/106.262 | 167423 | Records of throughput |
| FUG-NH3/Fugitives<br>FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 106.262 | 168481 | Annual and hourly emissions |

**Permit By Rule Supplemental Table (Page 4)**
**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement |
|---|---|---|---|
| MT-307 Storage tank | Standard Exemption 51 | 112233 | Annual and hourly emissions based on throughput |
| MT-307 Unit tank | Standard Exemption 51 | 112233 | Annual and hourly emissions based on throughput |
| Reactor Replacement (incrase size), Heat Exchanger replacement, desuperheater installation, and 3rd vent compressor | Standard Exemption 118 | 23151 | Annual and hourly emissions based on throughput |
| Misc MSS Activities | 106.263 | 11/1/2001 | (1) The type and reason for the activity or facility construction<br>(2) The processes and equipment involved<br>(3) The date, time, and duration of the activity or facility operation; and<br>(4) The air contaminants and amount which are emitted as a result of the activity of facility operation |
| MS-107 | 106.476 | 9/4/2000 | Documentation that MT-107 meets the requirements of 106.476, Pressurized Tanks, or Tanks Vented to Control |
| CTOTANK and CTOVENT | 106.472 | 9/4/2000 | Documentation of Product Loaded |
| | | | |

**Permit By Rule Supplemental Table (Page 4)**
**Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area**
**Texas Commission on Environmental Quality**

| Date | Permit Number | Regulated Entity Number |
|---|---|---|
| **09/26/2024** | **O1625** | **RN100542224** |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement |
|---|---|---|---|
| FUG-BZ/Fugitives<br>FUG-VOC/Fugitives | 106.261, 106.262 | 172279 | Annual and hourly emissions |
| D5000 and D5040, VLP SAN Storage Silos<br>V5531 and V5541, ASA Feed Hoppers<br>S5610 ASA Extruder<br>D5708 ASA Pelletizer<br>D7500, D7510, D7520, ASA Blending Silos<br>V5581, ASA Rework Hopper | 106.261, 106.262 | 173796 | SAN throughput |
| TEMP EB LD<br>FUG-VOC/Fugitives | 106.262 | 174454 | Records of Tote loading throughput |
| FUG-VOC/Fugitives | 106.261, 106.262 | 175935 | Annual and hourly emissions |
| VI-1300 | 106.263 | 9/4/2000 | (1) The type and reason for the activity or facility construction<br>(2) The processes and equipment involved<br>(3) The date, time, and duration of the activity or facility operation; and<br>(4) The air contaminants and amount which are emitted as a result of the activity of facility operation |
| TEMP EB LD | 106.476 | 11/1/2001 | Records of cylinder loading throughput |
| | | | |

**Form OP-CRO1**
**Certification by Responsible Official**
**Federal Operating Permit Program**

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

| **I. Identifying Information** | | |
|---|---|---|
| RN: **RN100542224** | CN: **CN603252479** | Account No.: **HG3307M** |
| Permit No.: **O1625** | Project No.: **TBD** | |
| Area Name: **Bayport Plant** | Company Name: **INEOS Styrolution America LLC** | |

**II. Certification Type** *(Please mark the appropriate box)*

☒ Responsible Official ☐ Duly Authorized Representative

**III. Submittal Type** *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☐ Update to Permit Application

☐ GOP Initial Permit Application ☒ Permit Revision, Renewal, or Reopening

☐ Other: _____

**IV. Certification of Truth**

**This certification does not extend to information which is designated by the TCEQ as information for reference only.**

I, **Terrence Trevino** certify that I am the **RO**
*(Certifier Name printed or typed)* *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

*Note: Enter Either a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).*

Time Period: From _____ to _____
*Start Date* *End Date*

Specific Dates: September 26, 2024 _____ _____ _____ _____ _____
*Date 1* *Date 2* *Date 3* *Date 4* *Date 5* *Date 6*

Signature: _____ Signature Date: 09/26/24

Title: Site Director – Gulf Coast Styrene

# Texas Commission on Environmental Quality
# Form OP-ACPS
# Application Compliance Plan and Schedule

| Date: 09/26/2024 | Regulated Entity No.: RN100542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | | Area Name: Bayport Facility |

- Part 1 of this form must be submitted with all initial FOP applications and renewal applications.
- The Responsible Official must use Form OP-CRO1 (Certification by Responsible Official) to certify information contained in this form in accordance with 30 TAC § 122.132(d)(8).

**Part 1**

| **A. Compliance Plan — Future Activity Committal Statement** | | |
|---|---|---|
| The *Responsible Official* commits, utilizing reasonable effort, to the following:<br>As the responsible official it is my intent that all emission units shall continue to be in compliance with all applicable requirements they are currently in compliance with, and all emission units shall be in compliance by the compliance dates with any applicable requirements that become effective during the permit term. | | |
| **B. Compliance Certification - Statement for Units in Compliance*<br>(Indicate response by entering an "X" in the appropriate column)** | | |
| **1.** | With the exception of those emission units listed in the Compliance Schedule section of this form (Part 2, below), and based, at minimum, on the compliance method specified in the associated applicable requirements, are all emission units addressed in this application in compliance with all their respective applicable requirements as identified in this application? | ☒ YES ☐ NO |
| **2.** | Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)? | ☐ YES ☒ NO |
| **3.** | If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. *(For reference only)* | |
| * | *For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status.*<br>*For General Operating Permits (GOPs), the application documentation, particularly Form OP-REQ1 should be consulted as well as the requirements contained in the appropriate General Permits portion of 30 TAC Chapter 122.*<br>*Compliance should be assessed based, at a minimum, on the required monitoring, testing, record keeping, and/or reporting requirements, as appropriate, associated with the applicable requirement in question.* | |

**Federal Operating Permit Program**
**Application for Permit Revision/Renewal**
**Form OP-2-Table 1**
**Texas Commission on Environmental Quality**

| | |
|---|---|
| Date: **09/26/2024** | |
| Permit No.: **O1625** | |
| Regulated Entity No.: **RN100542224** | |
| Company Name: **INEOS Styrolution America LLC** | |
| For Submissions to EPA | |
| Has an electronic copy of this application been submitted (or is being submitted) to EPA? | ☒ YES ☐ NO |
| **I. Application Type** | |
| Indicate the type of application: | |
| ☒ Renewal | |
| ☐ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.) | |
| ☐ Significant Revision | |
| ☐ Revision Requesting Prior Approval | |
| ☐ Administrative Revision | |
| ☐ Response to Reopening | |
| **II. Qualification Statement** | |
| For SOP Revisions Only | ☒ YES ☐ NO |
| For GOP Revisions Only | ☐ YES ☐ NO |

| **III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)** | | | | | | |
|---|---|---|---|---|---|---|
| Indicate all pollutants for which the site is a major source based on the site's potential to emit:<br>*(Check the appropriate box[es].)* | | | | | | |
| ☒ VOC | ☒ $NO_X$ | ☐ $SO_2$ | ☐ $PM_{10}$ | ☒ CO | ☐ Pb | ☐ HAP |
| Other: | | | | | | |
| **IV. Reference Only Requirements** *(For reference only)* | | | | | | |
| Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)? | | | | ☒ YES | ☐ NO | ☐ N/A |
| **V. Delinquent Fees and Penalties** | | | | | | |
| Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol. | | | | | | |

**Federal Operating Permit Program**
**Application for Permit Revision/Renewal**
**Form OP-2-Table 2**
**Texas Commission on Environmental Quality**

| |
|---|
| Date: **09/26/2024** |
| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

Using the table below, provide a description of the revision.

| Revision No. | Revision Code | Unit/Group | | Process | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| | | New Unit | ID No. | Applicable Form | | |
| 1 | MS-C | NO | AS-1202 | OP-SUMR<br>OP-UA17 | N/A | Delete this column from the permit. It is not located at the Bayport Plant. |
| 2 | MS-C | NO | HS-103 | OP-UA5 | N/A | Due to update in the OP-UA5 form Table 1a, the answer for Annual Heat Input has changed from "22+" to "28+". |
| 3 | MS-C | YES | MSS Misc | OP-PBRSUP | 106.263/11/1/2001 | Claimed PBR sources/activities being added to permit via OP-PRSUP. |
| 4 | MS-C | YES | TEMP EB LOAD | OP-PBRSUP | 106.476/11/1/2001 | Claimed PBR source being added to permit via OP-PRSUP. |
| 5 | MS-C | YES | AF-201 | OP-SUMR<br>OP-UA17 | 5252 | AF-201 is an existing column, however, it was not previously represented in SOP O1625. Adding source to OP-UA17 to document negative applicability. |
| 6 | MS-C | NO | HS-601 | OP-SUMR<br>OP-UA5 | N/A | Delete this heater from the permit. It has been permanently shutdown. |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 1)**
**Texas Commission on Environmental Quality**

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

| | |
|---|---|
| **I.** | **Company Identifying Information** |
| **A.** | Company Name: **INEOS Styrolution America LLC** |
| **B.** | Customer Reference Number (CN): **CN603252479** |
| **C.** | Submittal Date *(mm/dd/yyyy):* **09/26/2024** |
| **II.** | **Site Information** |
| **A.** | Site Name: **Bayport Plant** |
| **B.** | Regulated Entity Reference Number (RN): **RN100542224** |
| **C.** | Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)* |
| ☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A | |
| **D.** | Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)* |
| ☒ VOC ☒ $NO_X$ ☐ $SO_2$ ☐ $PM_{10}$ ☒ CO ☐ Pb ☐ HAPS | |
| Other: | |
| **E.** | Is the site a non-major source subject to the Federal Operating Permit Program? ☐ YES ☒ NO |
| **F.** | Is the site within a local program area jurisdiction? ☐ YES ☒ NO |
| **G.** | Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ YES ☒ NO |
| **H.** | Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging: |
| **III.** | **Permit Type** |
| **A.** | Type of Permit Requested: *(Select only one response )* |
| ☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP) | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 2)**
**Texas Commission on Environmental Quality**

| | | |
|---|---|---|
| **IV.** | **Initial Application Information** *(Complete for Initial Issuance Applications Only.)* | |
| **A.** | Is this submittal an abbreviated or a full application? | ☐ Abbreviated ☐ Full |
| **B.** | If this is a full application, is the submittal a follow-up to an abbreviated application? | ☐ YES ☐ NO |
| **C.** | If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? | ☐ YES ☐ NO |
| **D.** | Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) | ☐ YES ☐ NO |
| **E.** | Has the required Public Involvement Plan been included with this application? | ☐ YES ☐ NO |
| **V.** | **Confidential Information** | |
| **A.** | Is confidential information submitted in conjunction with this application? | ☐ YES ☒ NO |
| **VI.** | **Responsible Official (RO) Identifying Information** | |
| RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) | | |
| RO Full Name: **Terrence Trevino** | | |
| RO Title: **Site Director – Gulf Coast Styrene** | | |
| Employer Name: **INEOS Styrolution America, LLC** | | |
| Mailing Address: **12222 Port Road** | | |
| City: **Pasadena** | | |
| State: **Texas** | | |
| ZIP Code: **77507** | | |
| Territory: **N/A** | | |
| Country: **USA** | | |
| Foreign Postal Code: **N/A** | | |
| Internal Mail Code: **N/A** | | |
| Telephone No.: **(281) 474-1601** | | |
| Fax No.: **(281) 474-1636** | | |
| Email: **terrence.trevino@ineos.com** | | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 3)**
**Texas Commission on Environmental Quality**

| **VII. Technical Contact Identifying Information** *(Complete if different from RO.)* | |
|---|---|
| Technical Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.) | |
| Technical Contact Full Name: **Staci Duhon** | |
| Technical Contact Title: **Environmental Engineer – Air** | |
| Employer Name: **INEOS Styrolution America, LLC** | |
| Mailing Address: **12222 Port Road** | |
| City: **Pasadena** | |
| State: **Texas** | |
| ZIP Code: **77507** | |
| Territory: **N/A** | |
| Country: **USA** | |
| Foreign Postal Code: **N/A** | |
| Internal Mail Code: **N/A** | |
| Telephone No.: **(979)-946-7760** | |
| Fax No.: **(281) 474-1636** | |
| Email: **staci.duhon@ineos.com** | |
| **VIII. Reference Only Requirements** *(For reference only.)* | |
| **A.** State Senator: **Mayes Middleton** | |
| **B.** State Representative: **Dennis Paul** | |
| **C.** Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? | ☒ YES ☐ NO ☐ N/A |
| **D.** Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? | ☒ YES ☐ NO |
| **E.** Indicate the alternate language(s) in which public notice is required: **Spanish** | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 4)**
**Texas Commission on Environmental Quality**

| | |
|---|---|
| **IX.** | **Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)* |
| **A.** | Office/Facility Name: |
| **B.** | Physical Address: |
| City: | |
| State: | |
| ZIP Code: | |
| Territory: | |
| Country: | |
| Foreign Postal Code: | |
| **C.** | Physical Location: |
| | |
| | |
| | |
| **D.** | Contact Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) |
| Contact Full Name: | |
| **E.** | Telephone No.: |
| **X.** | **Application Area Information** |
| **A.** | Area Name: **Bayport Plant** |
| **B.** | Physical Address: **12222 Port Road** |
| City: **Pasadena** | |
| State: **Texas** | |
| ZIP Code: **77507** | |
| **C.** | Physical Location: |
| **12222 Port Road** | |
| **Pasadena, Texas 77507** | |
| | |
| **D**. | Nearest City: **La Porte** |
| **E.** | State: **Texas** |
| **F.** | ZIP Code: **77057** |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 5)**
**Texas Commission on Environmental Quality**

| | |
|---|---|
| **X.** | **Application Area Information** ***(continued)*** |
| **G.** | Latitude (nearest second): **29 36 12** |
| **H.** | Longitude (nearest second): **95 01 02** |
| **I.** | Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ YES ☒ NO |
| **J.** | Indicate the estimated number of emission units in the application area: |
| **K.** | Are there any emission units in the application area subject to the Acid Rain Program? ☐ YES ☒ NO |
| **XI.** | **Public Notice**<br>*(Complete this section for SOP Applications and Acid Rain Permit Applications only.)* |
| **A.** | Name of a public place to view application and draft permit: Evelyn Meador Branch Library |
| **B.** | Physical Address: **2400 North Meyer Avenue** |
| City: **Seabrook** | |
| ZIP Code: **77586** | |
| **C.** | Contact Person (Someone who will answer questions from the public during the public notice period): |
| Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.): | |
| Contact Person Full Name: **Staci Duhon** | |
| Contact Mailing Address: **12222 Port Road** | |
| City: **Pasadena** | |
| State: **Texas** | |
| ZIP Code: **77507** | |
| Territory: **N/A** | |
| Country: **N/A** | |
| Foreign Postal Code: **N/A** | |
| Internal Mail Code: **N/A** | |
| Telephone No.: **(979)-946-7760** | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 6)**
**Texas Commission on Environmental Quality**

| **XII. Delinquent Fees and Penalties** |
|---|
| **Notice:** This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of Attorney General on behalf of the TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol." |

**Texas Commission on Environmental Quality**
**Stationary Reciprocating Internal Combustion Engine Attributes**
**Form OP-UA2 (Page 1)**
**Federal Operating Permit Program**
**Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas**

| | |
|---|---|
| **Date:** | 2/1/2023 |
| **Permit No.:** | O1625 |
| **Regulated Entity No.:** | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Horsepower Rating | RACT Date Placed in Service | Functionally Identical Replacement | Type of Service | Fuel Fired | Engine Type | ESAD Date Placed in Service | Diesel HP Rating |
|---|---|---|---|---|---|---|---|---|---|
| EmergeGen | R7ICI-2 | | | | D2001+ | | | | |
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**Texas Commission on Environmental Quality**
**Stationary Reciprocating Internal Combustion Engine Attributes**
**Form OP-UA2 (Page 4)**
**Federal Operating Permit Program**
**Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**25BSubpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary**
**26BReciprocating Internal Combustion Engines**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | HAP Source | Brake HP | Construction/ Reconstruction Date | Nonindustrial Emergency Engine | Service Type | Stationary RICE Type |
|---|---|---|---|---|---|---|---|
| EmergeGen | 63ZZZZ-2 | MAJOR | 500+ | 06+ | | EMER-A | |
| 115 | 63ZZZZ-3 | MAJOR | 300-500 | 02- | | EMER-A | |
| 802A | 63ZZZZ-3 | MAJOR | 300-500 | 02- | | EMER-A | |
| 802B | 63ZZZZ-3 | MAJOR | 300-500 | 02- | | EMER-A | |
| 802S | 63ZZZZ-3 | MAJOR | 300-500 | 02- | | EMER-A | |
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**Texas Commission on Environmental Quality**
**Stationary Reciprocating Internal Combustion Engine Attributes**
**Form OP-UA2 (Page 10)**
**Federal Operating Permit Program**
**Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Applicability Date | Exemptions | Service | Commencing | Manufacture Date |
|---|---|---|---|---|---|---|
| EmergeGen | 63IIII-1 | 2005+ | NONE | EMERG | CON | 0406+ |
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**Texas Commission on Environmental Quality**
**Stationary Reciprocating Internal Combustion Engine Attributes**
**Form OP-UA2 (Page 11)**
**Federal Operating Permit Program**
**Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Diesel | AES No. | Displacement | Generator Set | Model Year | Install Date |
|---|---|---|---|---|---|---|---|
| EmergeGen | 63IIII-1 | DIESEL | | 10-CS | | 2017+ | |
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**Texas Commission on Environmental Quality**
**Stationary Reciprocating Internal Combustion Engine Attributes**
**Form OP-UA2 (Page 12)**
**Federal Operating Permit Program**
**Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Kilowatts | Filter | Standards | Compliance Option | PM Compliance | Options |
|---|---|---|---|---|---|---|---|
| EmergeGen | 63IIII-1 | E560-2237 | | YES | MANU YES | | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 3)**
**Federal Operating Permit Program**
**Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**
**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels**
**(Including Petroleum Liquid Storage Vessels)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Product Stored | Storage Capacity | WW Tank Control | Maximum TVP | Storage Vessel Description | AMEL ID No. | Guidepole | Reid Vapor Pressure | Control Device ID No. |
|---|---|---|---|---|---|---|---|---|---|---|
| B1100 | 60KB-4 | VOL | 20K-40K | NONE | 2.2- | | | | | |
| B1400 | 60KB-4 | VOL | 20K-40K | NONE | 2.2- | | | | | |
| B1500 | 60KB-4 | VOL | 20K-40K | NONE | 2.2- | | | | | |
| B1600 | 60KB-5 | VOL | 10K-20K | NONE | | | | | | |
| V1803 | 60KB-6 | WASTE | 10K- | | | | | | | |
| DieselTK | 60KB-6 | VOL | 10K- | NONE | | | | | | |
| V9820 | 60KB-6 | WASTE | 10K- | | | | | | | |
| V9840 | 60KB-6 | WASTE | 10K- | | | | | | | |
| B9834 | 60KB-1 | WASTE | 20K-40K | NONE | 0.5- | | | | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 4)**
**Federal Operating Permit Program**
**Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Storage of Volatile Organic Compounds (VOCs)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Alternate Control Requirement | ACR ID No. | Product Stored | Storage Capacity | Throughput | Potential to Emit | Uncontrolled Emissions |
|---|---|---|---|---|---|---|---|---|
| B1100 | R5112-10 | NO | | VOC1 | A25K-40K | | | |
| B1400 | R5112-8 | NO | | VOC1 | A1K-25K | | | |
| B1500 | R5112-8 | NO | | VOC1 | A1K-25K | | | |
| B1600 | R5112-8 | NO | | VOC1 | A1K-25K | | | |
| V1803 | R5112-6 | NO | | VOC1 | A1K-25K | | | |
| V1803 | R5112-6 | NO | | VOC1 | A1K-25K | | | |
| DieselTK | R5112-8 | NO | | VOC1 | A1K-25K | | | |
| V9820 | R5112-11 | NO | | VOC1 | A1K-25K | | | |
| V9840 | R5112-11 | NO | | VOC1 | A1K-25K | | | |
| B9834 | R5112-12 | NO | | VOC1 | A40K+ | | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 5)**
**Federal Operating Permit Program**
**Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Storage of Volatile Organic Compounds (VOCs)**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Construction Date | Tank Description | True Vapor Pressure | Primary Seal | Secondary Seal | Control Device Type | Control Device ID No. |
|---|---|---|---|---|---|---|---|---|
| B1100 | R5112-10 | | IFRVRSI | 1.5+A | | | | |
| B1400 | R5112-8 | | VRS1 | 1- | | | | |
| B1500 | R5112-8 | | VRS1 | 1- | | | | |
| B1600 | R5112-8 | | NONE1 | 1- | | | | |
| V1803 | R5112-6 | | VRS1 | 1.5+A | | | DIRINC | RTO |
| V1803 | R5112-6 | | VRS1 | 1.5+A | | | FLARE | MTFLARE |
| DieselTK | R5112-8 | | NONE1 | 1- | | | | |
| V9820 | R5112-11 | | NONE1 | 1- | | | | |
| V9840 | R5112-11 | | NONE1 | 1- | | | | |
| B9834 | R5112-12 | | NONE1 | 1- | | | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 13)**
**Federal Operating Permit Program**
**Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | MACT Subpart F/G Applicability | NESHAP Subpart Y Applicability | NSPS Subpart Kb Applicability | Maximum TVP | Emission Control Type | AMOC ID No. |
|---|---|---|---|---|---|---|---|
| MT-306 | 63G110-1 | YES | YES | NO | 11.11- | CVS-CD | |
| MT-312 | 63G110-2 | YES | NO | NO | 11.11- | IFR | |
| MS-213 | 63G110-3 | NO | NO | NO | | | |
| MT-318 | 63G110-3 | NO | NO | NO | | | |
| MT-307 | 63G110-3 | NO | NO | NO | | | |
| MT-302 | 63G110-3 | NO | NO | NO | | | |
| MT-308 | 63G110-3 | NO | NO | NO | | | |
| MT-310 | 63G110-3 | NO | NO | NO | | | |
| MT-311 | 63G110-3 | NO | NO | NO | | | |
| MT-315 | 63G110-3 | NO | NO | NO | | | |
| MT-316 | 63G110-3 | NO | NO | NO | | | |
| MT-317 | 63G110-3 | NO | NO | NO | | | |
| MT-322 | 63G110-3 | NO | NO | NO | | | |
| MT-355 | 63G110-3 | NO | NO | NO | | | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 14)**
**Federal Operating Permit Program**
**Table 9b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart G: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Seal Type | Closed Vent System | Hard Piping | Bypass Lines | Control Device Type | Control Device ID No. | Control Device Design | Design Evaluation Submitted |
|---|---|---|---|---|---|---|---|---|---|
| MT-306 | 63G110-1 | | SUBPTH | YES | NONE | ENCL | RTO | NO | YES |
| MT-312 | 63G110-2 | IFR-LIQ | | | | | | | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 43)**
**Federal Operating Permit Program**
**Table 19a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Vessel Type | Group 1 Vessel | Alternative Means of Control | AMOC ID No. |
|---|---|---|---|---|---|
| B1100 | 63JJJ-1 | STOR | Yes | NO | |
| B1100 | 63JJJ-2 | STOR | Yes | NO | |
| B1100 | 63JJJ-7 | STOR | Yes | NO | |
| B1100 | 63JJJ-8 | STOR | Yes | NO | |
| B1200 | 63JJJ-5 | SCV/BR | | NO | |
| B1200 | 63JJJ-6 | SCV/BR | | NO | |
| V1803 | 63JJJ-3 | STOR | NO | | |
| B2500 | 63JJJ-5 | SCV/BR | | NO | |
| B2500 | 63JJJ-6 | SCV/BR | | NO | |
| B2504 | 63JJJ-5 | SCV/BR | | NO | |
| B2504 | 63JJJ-6 | SCV/BR | | NO | |
| B2508 | 63JJJ-5 | SCV/BR | | NO | |
| B2508 | 63JJJ-6 | SCV/BR | | NO | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 44)**
**Federal Operating Permit Program**
**Table 19b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Construction/ Modification Date | TPPU Product | Storage Vessel Capacity | Vapor Pressure | Maximum HAP TVP | Emission Control Type | Seal Type |
|---|---|---|---|---|---|---|---|---|
| B1100 | 63JJJ-1 | 1995+ | SANC | 151- | 10- | 11.11- | CVS-CD | B1100 |
| B1100 | 63JJJ-2 | 1995+ | SANC | 151- | 10- | 11.11- | CVS-CD | B1100 |
| B1100 | 63JJJ-7 | 1995+ | ASA | 151- | 10- | 11.11- | CVS-CD | B1100 |
| B1100 | 63JJJ-8 | 1995+ | ASA | 151- | 10- | 11.11- | CVS-CD | B1100 |
| B1200 | 63JJJ-5 | 1995+ | SANC | 151- | 10- | 11.11- | CVS-CD | B1200 |
| B1200 | 63JJJ-6 | 1995+ | SANC | 151- | 10- | 11.11- | CVS-CD | B1200 |
| B2500 | 63JJJ-5 | 1995+ | ASA | | | 11.11- | CVS-CD | B2500 |
| B2500 | 63JJJ-6 | 1995+ | ASA | | | 11.11- | CVS-CD | B2500 |
| B2504 | 63JJJ-5 | 1995+ | ASA | | | 11.11- | CVS-CD | B2504 |
| B2504 | 63JJJ-6 | 1995+ | ASA | | | 11.11- | CVS-CD | B2504 |
| B2508 | 63JJJ-5 | 1995+ | ASA | | | 11.11- | CVS-CD | B2508 |
| B2508 | 63JJJ-6 | 1995+ | ASA | | | 11.11- | CVS-CD | B2508 |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 45)**
**Federal Operating Permit Program**
**Table 19c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Storage Vessels**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Closed Vent System | Hard Piping | Bypass Lines | Control Device Type | Control Device ID No. | Control Device Design | Design Evaluation Submitted |
|---|---|---|---|---|---|---|---|---|
| B1100 | 63JJ-1 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B1100 | 63JJ-2 | SUBPTG | YES | NONE | FLARE | MTFLARE | NO | |
| B1100 | 63JJ-7 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B1100 | 63JJ-8 | SUBPTG | YES | NONE | FLARE | MTFLARE | NO | |
| B1200 | 63JJJ-5 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B1200 | 63JJJ-6 | SUBPTG | YES | NONE | FLARE | MTFLARE | NO | |
| B2500 | 63JJJ-5 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B2500 | 63JJJ-6 | SUBPTG | YES | NONE | FLARE | MTFLARE | NO | |
| B2504 | 63JJJ-5 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B2504 | 63JJJ-6 | SUBPTG | YES | NONE | FLARE | MTFLARE | NO | |
| B2508 | 63JJJ-5 | SUBPTG | YES | NONE | ENCL | RTO | NO | NO |
| B2508 | 63JJJ-6 | SUBPTG | YES | NONE | FLARE | MTFLARE | NO | |

**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 46)**
**Federal Operating Permit Program**
**Table 20a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Process Wastewater | Meets 40 CFR § 63.149(d) | Sparged | Emission Routing | Installed Before 3/29/95 |
|---|---|---|---|---|---|---|
| V9820 | 63JJJWW-1 | YES | | | | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 47)**
**Federal Operating Permit Program**
**Table 20b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Closed Vent System | Bypass Lines | Control Device Type | Control Device ID No. | Design Evaluation Submitted |
|---|---|---|---|---|---|---|
| SKIP | | | | | | |
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**Storage Tank/Vessel Attributes**
**Form OP-UA3 (Page 48)**
**Federal Operating Permit Program**
**Table 20c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Wastewater**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Wastewater Tank Usage | Wastewater Tank Properties | Emission Control Type | EEL ID No. | Closed Vent System | Bypass Lines |
|---|---|---|---|---|---|---|---|
| V9820 | 63JJJWW-1 | NO | 75- | | | | |
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**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 1)**
**Federal Operating Permit Program**
**Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Unit Type | Maximum Rated Capacity | RACT Date Placed in Service | Functionally Identical Replacement | Fuel Type(s) | | | Annual Heat Input | NOx Emission Limitation | Opt-In Unit | 23C-Option |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HOH | R7PHF-2 | PRHTR | 2-40 | | | NG | | | | 310D | | |
| | | | | | | | | | | | | |
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**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 2)**
**Federal Operating Permit Program**
**Table 1b: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Diluent CEMS | 30 TAC Chapter 116 Limit | NOx Emission Limit Basis | NOx Reduction | Common Stack Combined | Fuel Type Heat Input | NOx Monitoring System |
|---|---|---|---|---|---|---|---|---|
| HOH | R7PHF-2 | NO | | OTHER | NONE | | GAS50 | MERT |
| | | | | | | | | |
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**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 3)**
**Federal Operating Permit Program**
**Table 1c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Fuel Flow Monitoring | CO Emission Limitation | CO Monitoring System | NH3 Emission Limitation | NH3 Monitoring |
|---|---|---|---|---|---|---|
| HOH | R7PHF-2 | X40A | 310C | OTHER | | |
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**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 10)**
**Federal Operating Permit Program**
**Table 6a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Commence | Table Applicability | HCl Emission | HCl-CMS |
|---|---|---|---|---|---|
| HS-102 | 63DDDDD-1 | NEW | T3.1G1 | | |
| HS-103 | 63DDDDD-2 | EXIST | T3.3G1 | | |
| HS-104 | 63DDDDD-2 | EXIST | T3.3G1 | | |
| HS-201/219 | 63DDDDD-2 | EXIST | T3.3G1 | | |
| HS-220 | 63DDDDD-2 | EXIST | T3.3G1 | | |
| HS-220 | 63DDDDD-3 | EXIST | HLIQ10 | BTU-HCL | NONE |
| HS-601 | 63DDDDD-2 | EXIST | T3.3G1 | | |
| HOH | 63DDDDD-4 | NEW | T3.1TS | | |
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**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 11)**
**Federal Operating Permit Program**
**Table 6b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | HCl-CD | HCl-Test | HCl-FA | HCl-FloMon | HCl-pHMon |
|---|---|---|---|---|---|---|
| HS-102 | 63DDDDD-1 | | | | | |
| HS-103 | 63DDDDD-2 | | | | | |
| HS-104 | 63DDDDD-2 | | | | | |
| HS-201/219 | 63DDDDD-2 | | | | | |
| HS-220 | 63DDDDD-2 | | | | | |
| HS-220 | 63DDDDD-3 | | NPT | FA | NFMS | NPH |
| HS-601 | 63DDDDD-2 | | | | | |
| HOH | 63DDDDD-4 | | | | | |
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Note: HCL-CD intentionally left blank. No control device is required. Fuel analysis will be used to demonstrate compliance.

**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 12)**
**Federal Operating Permit Program**
**Table 6c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Hg Emission | Hg-InjRate | Hg-CMS | Hg-CD | Hg-Test | Hg-FA |
|---|---|---|---|---|---|---|---|
| HS-102 | 63DDDDD-1 | | | | | | |
| HS-103 | 63DDDDD-2 | | | | | | |
| HS-104 | 63DDDDD-2 | | | | | | |
| HS-201/219 | 63DDDDD-2 | | | | | | |
| HS-220 | 63DDDDD-2 | | | | | | |
| HS-220 | 63DDDDD-3 | BTU-HG | NO | NONE | | NPT | HGFA |
| HS-601 | 63DDDDD-2 | | | | | | |
| HOH | 63DDDDD-4 | | | | | | |
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Note: Hg-CD intentionally left blank. No control device is required. Fuel analysis will be used to demonstrate compliance

**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 13)**
**Federal Operating Permit Program**
**Table 6d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | BM Subcategory | PM/TSM Emission | TSM-CMS | TSM-Test | TSM-FA |
|---|---|---|---|---|---|---|
| HS-102 | 63DDDDD-1 | | | | | |
| HS-103 | 63DDDDD-2 | | | | | |
| HS-104 | 63DDDDD-2 | | | | | |
| HS-201/219 | 63DDDDD-2 | | | | | |
| HS-220 | 63DDDDD-2 | | | | | |
| HS-220 | 63DDDDD-3 | | BTU-TSM | NONE | NPT | FA |
| HS-601 | 63DDDDD-2 | | | | | |
| HOH | 63DDDDD-4 | | | | | |
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**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 14)**
**Federal Operating Permit Program**
**Table 6e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | PM-250 | PM-CMS | PM-CD | PM-Test | PM-FM | PM-PMON |
|---|---|---|---|---|---|---|---|
| HS-102 | 63DDDDD-1 | | | | | | |
| HS-103 | 63DDDDD-2 | | | | | | |
| HS-104 | 63DDDDD-2 | | | | | | |
| HS-201/219 | 63DDDDD-2 | | | | | | |
| HS-220 | 63DDDDD-2 | | | | | | |
| HS-220 | 63DDDDD-3 | | | | | | |
| HS-601 | 63DDDDD-2 | | | | | | |
| HOH | 63DDDDD-4 | | | | | | |
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**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 15)**
**Federal Operating Permit Program**
**Table 6f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | Opacity-CD | COMS | OPT-Test |
|---|---|---|---|---|
| HS-102 | 63DDDDD-1 | | | |
| HS-103 | 63DDDDD-2 | | | |
| HS-104 | 63DDDDD-2 | | | |
| HS-201/219 | 63DDDDD-2 | | | |
| HS-220 | 63DDDDD-2 | | | |
| HS-220 | 63DDDDD-3 | OTHER | NOCOMS | NPTO |
| HS-601 | 63DDDDD-2 | | | |
| HOH | 63DDDDD-4 | | | |
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**Texas Commission on Environmental Quality**
**Process Heater/Furnace Attributes**
**Form OP-UA5 (Page 16)**
**Federal Operating Permit Program**
**Table 6g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP/GOP Index No. | SFF Subcategory | CO Emission | CO-CMS | CO-Test |
|---|---|---|---|---|---|
| HS-102 | 63DDDDD-1 | | | | |
| HS-103 | 63DDDDD-2 | | | | |
| HS-104 | 63DDDDD-2 | | | | |
| HS-201/219 | 63DDDDD-2 | | | | |
| HS-220 | 63DDDDD-2 | | | | |
| HS-220 | 63DDDDD-3 | | PPM | COCMS | NPT |
| HS-601 | 63DDDDD-2 | | | | |
| HOH | 63DDDDD-4 | | | | |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**
**Form OP-UA6 (Page 37)**
**Federal Operating Permit Program**
**Table 14a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart DDDDD: Industrial, Commercial, and Institutional Boilers**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Commence | Table Applicability | HCl Emission | HCl-CMS |
|---|---|---|---|---|---|
| HB-1301P | 63DDDDD-IB | EXIST | T3.1TS | | |
| HB-301A | 63DDDDD-IB | EXIST | T3.1TS | | |
| HB-301B | 63DDDDD-IB | EXIST | T3.1TS | | |
| HB-301S | 63DDDDD-IB | EXIST | T3.1TS | | |
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**Texas Commission on Environmental Quality**
**Flare Attributes**
**Form OP-UA7 (Page 1)**
**Federal Operating Permit Program**
**Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)**
**Control of Air Pollution from Visible Emissions and Particulate Matter**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No | Acid Gases Only | Emergency/Upset Conditions Only | Alternate Opacity Limitation (AOL) | AOL ID No. | Construction Date |
|---|---|---|---|---|---|---|
| MTFLARE | R111-1 | NO | NO | | | |
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**Texas Commission on Environmental Quality**
**Flare Attributes**
**Form OP-UA7 (Page 3)**
**Federal Operating Permit Program**
**Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)**
**Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Subject to 40 CFR §60.18 | Adhering to Heat Content Specifications | Flare Assist Type | Flare Exit Velocity | Heating Value of Gas |
|---|---|---|---|---|---|---|
| MTFLARE | 60A-1 | YES | YES | STEAM | 60- | |
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**Texas Commission on Environmental Quality**
**Flare Attributes**
**Form OP-UA7 (Page 4)**
**Federal Operating Permit Program**
**Table 4: Title 40 Code of Federal Regulations Part 63**
**Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Required Under 40 CFR Part 63 | Heat Content Specification | Flare Assist Type | Flare Exit Velocity | Heating Value of Gas |
|---|---|---|---|---|---|---|
| MTFLARE | 63A-1 | YES | YES | STEAM | 60- | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 11)**
**Federal Operating Permit Program**
**Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP/GOP Index No. | Title 30 TAC § 115.352 Applicable | < 250 Components at Site | Weight Percent VOC | Reciprocating Compressors or Positive Displacement Pumps |
|---|---|---|---|---|---|
| ASAFUG | R5352-ALL | NO | | | |
| ASAFU10VOC | R5352-ALL | NO | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 124)**
**Federal Operating Permit Program**
**Table 15a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Equipment Type | Product Produced | Process Type | Vacuum Service |
|---|---|---|---|---|---|
| ASAFUG | 63JJJ-ALL | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 125)**
**Federal Operating Permit Program**
**Table 15b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No | SOP Index No. | Enclosed Vented Process Unit AMEL | Batch Process AMEL | Pressure Test | Heavy Liquid Service |
|---|---|---|---|---|---|
| ASAFUG | 63JJJ-ALL | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 126)**
**Federal Operating Permit Program**
**Table 15c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| | | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Unit ID No. | SOP Index No. | Pumps in Light Liquid Service | AMEL | AMEL ID No. | Complying with § 63.163 | Compressors | AMEL | AMEL ID No. | Complying with § 63.164 |
| ASAFUG | 63JJJ-ALL | | | | | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 127)**
**Federal Operating Permit Program**
**Table 15d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | 40 CFR Part 63, Subpart JJ Fugitive Unit Components (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Pressure Relief Devices in Gas/Vapor Service | AMEL | AMEL ID No. | Complying with § 63.165 | Sampling Connection Systems | AMEL | AMEL ID No. | Complying with § 63.166 |
| ASAFUG | 63JJJ-ALL | | | | | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 128)**
**Federal Operating Permit Program**
**Table 15e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Open-ended Valves or Lines | AMEL | AMEL ID No. | Complying with § 63.167 | Valves in Gas/Vapor or Light Liquid Service | AMEL | AMEL ID No. | Complying with § 63.168 |
| ASAFUG | 63JJJ-ALL | | | | | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 129)**
**Federal Operating Permit Program**
**Table 15f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Pumps in Heavy Liquid Service | AMEL | AMEL ID No. | Complying with § 63.169 | Valves in Heavy Liquid Service | AMEL | AMEL ID No. | Complying with § 63.169 |
| ASAFUG | 63JJJ-ALL | | | | | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 130)**
**Federal Operating Permit Program**
**Table 15g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Connectors in Heavy Liquid Service | AMEL | AMEL ID No. | Complying with § 63.169 | Agitators in Heavy Liquid Service | AMEL | AMEL ID No. | Complying with § 63.169 |
| ASAFUG | 63JJJ-ALL | | | | | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 131)**
**Federal Operating Permit Program**
**Table 15h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| | | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Unit ID No. | SOP Index No. | Instrumentation Systems | AMEL | AMEL ID No. | Complying with § 63.169 | Pressure Relief Devices in Liquid Service | AMEL | AMEL ID No. | Complying with § 63.169 |
| ASAFUG | 63JJJ-ALL | | | | | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 132)**
**Federal Operating Permit Program**
**Table 15i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components (continued) | | | |
|---|---|---|---|---|---|
| | | Surge Control Vessels or Bottoms Receivers | Vapor Pressure Criteria | Compliance with § 63.119(b) or (c) | Routed to Process |
| ASAFUG | 63JJJ-ALL | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 133)**
**Federal Operating Permit Program**
**Table 15j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| | | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Unit ID No. | SOP Index No. | Agitators in Gas/Vapor or Light Liquid Service | AMEL | AMEL ID No. | Complying with § 63.173 | Connectors in Gas/Vapor or Light Liquid Service | AMEL | AMEL ID No. | Complying with § 63.174 |
| ASAFUG | 63JJJ-ALL | | | | | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 134)**
**Federal Operating Permit Program**
**Table 15k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID. No. | SOP Index No. | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components (continued) | | | |
|---|---|---|---|---|---|
| | | | Closed-Vent System and Control Devices | | |
| | | Closed-Vent Systems | AMEL | AMEL ID No. | Complying with § 63.172 |
| ASAFUG | 63JJJ-ALL | | | | |
| ASAFU10VOC | 63JJJ-ALL | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 135)**
**Federal Operating Permit Program**
**Table 15l: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID. No | SOP Index No. | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components (continued) Closed-Vent Systems and Control Devices | | | | |
|---|---|---|---|---|---|---|
| | | Recovery or Recapture Devices | AMEL | AMEL ID No. | Complying with § 63.172 | Control Device ID No. |
| ASAFUG | 63JJJ-ALL | No | | | | |
| ASAFU10VOC | 63JJJ-ALL | No | | | | |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 136)**
**Federal Operating Permit Program**
**Table 15m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID. No | SOP Index No. | 40 CFR Part 63, Subpart JJJ Fugitive Unit Components (continued) Closed-Vent Systems and Control Devices | | | | |
|---|---|---|---|---|---|---|
| | | Enclosed Combustion Devices | AMEL | AMEL ID No. | Complying with § 63.172 | Control Device ID No. |
| ASAFUG | 63JJJ-ALL | YES | | | | RTO |
| ASAFU10VOC | 63JJJ-ALL | YES | | | | RTO |
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**Fugitive Emission Unit Attributes**
**Form OP-UA12 (Page 137)**
**Federal Operating Permit Program**
**Table 15n: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standard for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | 40 CFR Part 63, Subpart JJJ Closed-Vent Systems and Fugitive Unit Control Devices Components (continued) (continued) | | | | | Title 40 CFR Part 63, Subpart JJJ Fugitive Unit Description |
|---|---|---|---|---|---|---|---|
| | | Flares | AMEL | AMEL ID No. | Complying with § 63.172 | Control Device ID No. | |
| ASAFUG | 63JJJ-ALL | YES | | | | MTFLARE | Tank Farm Fugitives, Rubber Fugitives, SAN Fugitives |
| ASAFU10VOC | 63JJJ-ALL | YES | | | | MTFLARE | Tank Farm Fugitives, Rubber Fugitives, SAN Fugitives |
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**Texas Commission on Environmental Quality**
**Cooling Tower Attributes**
**Form OP-UA13 (Page 5)**
**Federal Operating Permit Program**
**Table 4: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**

| Date | Permit No.: | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit ID No. | SOP Index No. | Unit Type | Thermoplastic Product | Construction/ Modification Date | Monitored for HAP | PET Process | Subject to Subpart DDD |
|---|---|---|---|---|---|---|---|
| CT | 63JJJCT | HEATX | OTHER | 1995+ | YES | | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 3)**
**Federal Operating Permit Program**
**Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Vent Gas Control**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP/GOP Index No. | Chapter 115 Division | Combustion Exhaust | Vent Type | Total Uncontrolled VOC Weight | Combined 24-Hour VOC Weight | VOC Concentration | VOC Concentration or Emission Rate at Maximum Operating Conditions |
|---|---|---|---|---|---|---|---|---|
| C3711 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| C3750 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| C3811 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| C5711 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| C6011 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| C6250 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| C6311 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| B2500 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| B2504 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| B2508 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| V9004 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612+ | NO |
| | | | | | | | | |

**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 3)**
**Federal Operating Permit Program**
**Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Vent Gas Control**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP/GOP Index No. | Chapter 115 Division | Combustion Exhaust | Vent Type | Total Uncontrolled VOC Weight | Combined 24-Hour VOC Weight | VOC Concentration | VOC Concentration or Emission Rate at Maximum Operating Conditions |
|---|---|---|---|---|---|---|---|---|
| PK2800 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| PK2900 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| R2000 | R5121-9 | NO | NO | REGVAPPL | | 100- | 612+ | NO |
| R2100 | R5121-9 | NO | NO | REGVAPPL | | 100- | 612+ | NO |
| R2600 | R5121-9 | NO | NO | REGVAPPL | | 100- | 612+ | NO |
| R2620 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| R2700 | R5121-9 | NO | NO | REGVAPPL | | 100- | 612+ | NO |
| R2720 | R5121-8 | NO | NO | REGVAPPL | | 100- | 612- | NO |
| E3042 | R5121-9 | NO | NO | REGVAPPL | | 100- | 612+ | NO |
| V1207 | R5121-9 | NO | NO | REGVAPPL | | 100- | 612+ | NO |
| | | | | | | | | |

**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 3)**
**Federal Operating Permit Program**
**Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Vent Gas Control**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP/GOP Index No. | Chapter 115 Division | Combustion Exhaust | Vent Type | Total Uncontrolled VOC Weight | Combined 24-Hour VOC Weight | VOC Concentration | VOC Concentration or Emission Rate at Maximum Operating Conditions |
|---|---|---|---|---|---|---|---|---|
| E3404 | R5121-6 | NO | NO | REGVAPPL | | | | |
| E3404 | R5121-7 | NO | NO | REGVAPPL | | | | |
| V8201 | R5121-6 | NO | NO | REGVAPPL | | | | |
| V8201 | R5121-7 | NO | NO | REGVAPPL | | | | |
| C5644 | R5121-6 | NO | NO | REGVAPPL | | | | |
| C5944 | R5121-6 | NO | NO | REGVAPPL | | | | |
| C6244 | R5121-6 | NO | NO | REGVAPPL | | | | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 4)**
**Federal Operating Permit Program**
**Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Vent Gas Control**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Alternate Control Requirement | ACR ID No. | Control Device Type | Control Device ID No. |
|---|---|---|---|---|---|
| C3711 | R5121-8 | | | | |
| C3750 | R5121-8 | | | | |
| C3811 | R5121-8 | | | | |
| C5711 | R5121-8 | | | | |
| C6011 | R5121-8 | | | | |
| C6250 | R5121-8 | | | | |
| C6311 | R5121-8 | | | | |
| B2500 | R5121-8 | | | | |
| B2504 | R5121-8 | | | | |
| B2508 | R5121-8 | | | | |
| V9004 | R5121-8 | | | | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 4)**
**Federal Operating Permit Program**
**Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Vent Gas Control**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Alternate Control Requirement | ACR ID No. | Control Device Type | Control Device ID No. |
|---|---|---|---|---|---|
| PK2800 | R5121-8 | | | | |
| PK2900 | R5121-8 | | | | |
| R2000 | R5121-8 | | | | |
| R2100 | R5121-8 | | | | |
| R2600 | R5121-8 | | | | |
| R2620 | R5121-8 | | | | |
| R2700 | R5121-8 | | | | |
| R2720 | R5121-8 | | | | |
| E3042 | R5121-8 | | | | |
| E3042 | R5121-8 | | | | |
| V1207 | R5121-8 | | | | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 4)**
**Federal Operating Permit Program**
**Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**
**Subchapter B: Vent Gas Control**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Alternate Control Requirement | ACR ID No. | Control Device Type | Control Device ID No. |
|---|---|---|---|---|---|
| E3404 | R5121-6 | NONE | | DIRFLM | RTO |
| E3404 | R5121-7 | NONE | | FLARE | MTFLARE |
| V8201 | R5121-6 | NONE | | DIRFLM | RTO |
| V8201 | R5121-7 | NONE | | FLARE | MTFLARE |
| C5644 | R5121-6 | NONE | | DIRFLM | RTO |
| C5944 | R5121-6 | NONE | | DIRFLM | RTO |
| C6244 | R5121-6 | NONE | | DIRFLM | RTO |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 23)**
**Federal Operating Permit Program**
**Table 10a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Continuous Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Construction/ Modification Date | Thermoplastic Produced | PET Process | Vent Section | Compliance Option |
|---|---|---|---|---|---|---|
| R2600 | 63JJJPV-1 | 1995+ | ASA | | | |
| R2620 | 63JJJPV-1 | 1995+ | ASA | | | |
| R2700 | 63JJJPV-1 | 1995+ | ASA | | | |
| R2720 | 63JJJPV-1 | 1995+ | ASA | | | |
| E3042 | 63JJJPV-2 | 1995+ | SAN | | | |
| E3042 | 63JJJPV-3 | 1995+ | SAN | | | |
| E3404 | 63JJJPV-2 | 1995+ | SAN | | | |
| E3404 | 63JJJPV-3 | 1995+ | SAN | | | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 24)**
**Federal Operating Permit Program**
**Table 10b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Continuous Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Vent Stream Type | Routed to Recovery | Stream Group Status | HAP Concentration | Flow Rate | TRE Index Value | Halogenated |
|---|---|---|---|---|---|---|---|---|
| R2600 | 63JJJPV-1 | CONT | | GRP2 | 50+ | 5+ | 4+ | NO |
| R2620 | 63JJJPV-1 | CONT | | GRP2 | 50+ | 5+ | 4+ | NO |
| R2700 | 63JJJPV-1 | CONT | | GRP2 | 50+ | 5+ | 4+ | NO |
| R2720 | 63JJJPV-1 | CONT | | GRP2 | 50+ | 5+ | 4+ | NO |
| E3042 | 63JJJPV-2 | CONT | | GRP1 | | | 1- | NO |
| E3042 | 63JJJPV-3 | CONT | | GRP1 | | | 1- | NO |
| E3404 | 63JJJPV-2 | CONT | | GRP1 | | | 1- | NO |
| E3404 | 63JJJPV-3 | CONT | | GRP1 | | | 1- | NO |
| | | | | | | | | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 25)**
**Federal Operating Permit Program**
**Table 10c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Continuous Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Halogen Reduction Device | Installation Date | Control Device | Control Device ID No. |
|---|---|---|---|---|---|
| E3042 | 63JJJPV-2 | | | INCIN | RTO |
| E3042 | 63JJJPV-3 | | | FLARE | MTFLARE |
| E3404 | 63JJJPV-2 | | | INCIN | RTO |
| E3404 | 63JJJPV-3 | | | FLARE | MTFLARE |
| | | | | | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 26)**
**Federal Operating Permit Program**
**Table 10d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Continuous Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Performance Test | Alternate Monitoring Parameters | AMP ID No. | Alternate Continuous Monitoring Requested | Alt Continuous Monitoring ID No. | Bypass Lines | Flow Indicator |
|---|---|---|---|---|---|---|---|---|
| E3042 | 63JJJPV-2 | NO | NO | NO | NO | | NO | |
| E3042 | 63JJJPV-3 | NO | NO | NO | NO | | NO | |
| E3404 | 63JJJPV-2 | NO | NO | NO | NO | | NO | |
| E3404 | 63JJJPV-3 | NO | NO | NO | NO | | NO | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 27)**
**Federal Operating Permit Program**
**Table 11a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Batch and Aggregate Batch Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Vent Stream Type | Construction/ Modification Date | Thermoplastic Produced | Stream Group Status | Annual Organic HAP Emissions | Cutoff Flow Rate | Single Highest HAP Recipe | Electing to Comply With § 63.1322(f)(1) |
|---|---|---|---|---|---|---|---|---|---|
| R2000 | 63JJJBPV | BATCH | 1995+ | ASA | | | | | |
| R2100 | 63JJJBPV | BATCH | 1995+ | ASA | | | | | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 28)**
**Federal Operating Permit Program**
**Table 11b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Batch and Aggregate Batch Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Halogenated | Halogen Reduction Device | Installation Date | Control Device | Control Device ID No. | Complying with 20 PPMV Limit | Performance Test |
|---|---|---|---|---|---|---|---|---|
| R2000 | 63JJJBPV | | | | INCIN | RTO | | |
| R2100 | 63JJJBPV | | | | INCIN | RTO | | |
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**Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes**
**Form OP-UA15 (Page 29)**
**Federal Operating Permit Program**
**Table 11c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions:**
**Group IV Polymers and Resins, Batch and Aggregate Batch Process Vents**
**Texas Commission on Environmental Quality**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Emission Point ID No. | SOP Index No. | Organic Monitoring Device | Alternate Monitoring Parameters | AMP ID No. | Emission Episodes | Bypass Lines | Flow Indicator |
|---|---|---|---|---|---|---|---|
| R2000 | 63JJJBPV | NO | NO | | YES | NO | |
| R2100 | 63JJJBPV | NO | NO | | YES | NO | |
| | | | | | | | |
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**Texas Commission on Environmental Quality**
**Incinerator Attributes**
**Form OP-UA35 (Page 2)**
**Federal Operating Permit Program**

**Table 2a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Incinerators**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP Index No. | Maximum Rated Capacity | NOx Emission Limitation | 23C-Option | NOx Reduction | NOx Monitoring System | NOx Averaging Method |
|---|---|---|---|---|---|---|---|
| RTO | R7201INC-1 | 40-100 | 310 | | POST1 | CEMS | 1HR |
| | | | | | | | |
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**Texas Commission on Environmental Quality**
**Incinerator Attributes**
**Form OP-UA35 (Page 3)**
**Federal Operating Permit Program**

**Table 2b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**
**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Incinerators**

| | |
|---|---|
| **Date:** | **2/1/2023** |
| **Permit No.:** | **O1625** |
| **Regulated Entity No.:** | **RN100542224** |

| Unit ID No. | SOP Index No. | Fuel Flow Monitoring | CO Emission Limitation | CO Monitoring System | NH3 Emission Limitation | NH3 Monitoring |
|---|---|---|---|---|---|---|
| RTO | R7201INC-1 | X40A | 310 | CEMS | ACSS | CEMS |
| | | | | | | |
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**Form OP-UA60 (Page 1)**
**Federal Operating Permit Program**
**Table 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart F: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**

| Date: 2/1/2023 | Permit No.: O1625 | Regulated Entity No.: RN100542224 |
|---|---|---|
| Area Name: Bayport Site | | Customer Reference No.: CN603252479 |

| Process ID No. | SOP Index No. | Applicable Chemicals | Table 2 HAP | Alternate Means of Emission Limitation (AMEL) | AMEL ID No. | Heat Exchange System | Cooling Water Pressure |
|---|---|---|---|---|---|---|---|
| PROEBSM | 63FPRO | YES | YES | NO | | YES | NO |
| | | | | | | | |
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**Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes**
**Form OP-UA60 (Page 2)**
**Federal Operating Permit Program**
**Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart F: National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**

| Date: 2/1/2023 | Permit No.: O1625 | Regulated Entity No.: RN100542224 |
|---|---|---|
| Area Name: Bayport Site | | Customer Reference No.: CN603252479 |

| Process ID No. | SOP Index No. | Intervening Cooling Fluid | Table 4 HAP Content | NPDES Permit | Meets 40 CFR § 63.104(a)(4)(i) - (iv) | Table 9 HAP Content | Cooling Water Monitored |
|---|---|---|---|---|---|---|---|
| PROEBSM | 63FPRO | NO | NO | NO | NO | NO | YES |
| | | | | | | | |
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**Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes**
**Form OP-UA60 (Page 6)**
**Federal Operating Permit Program**
**Table 3: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**

| Date: 2/1/2023 | Permit No.: O1625 | Regulated Entity No.: RN100542224 |
|---|---|---|
| Area Name: Bayport Site | | Customer Reference No.: CN603252479 |

| Process ID No. | SOP Index No. | Batch Process Annual Mass Emission | Single Unit Annual Mass Emissions | Alternate Control Requirement | ACRID No. | Aggregate Flow Rate | Control Device | Control Device ID No. |
|---|---|---|---|---|---|---|---|---|
| PROASA | R5160-1 | NO | 500+ | 500+ | | FR+ | DIFINC | RTO |
| PROASAALL | R5160-1 | NO | 500+ | 500+ | | FR+ | DIFINC | RTO |
| | | | | | | | | |
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**Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes**
**Form OP-UA60 (Page 7)**
**Federal Operating Permit Program**
**Table 4: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**
**Subpart JJJ: National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**

| Date: 2/1/2023 | Permit No.: O1625 | Regulated Entity No.: RN100542224 |
|---|---|---|
| Area Name: Bayport Site | | Customer Reference No.: CN603252479 |

| Process ID No. | SOP Index No. | Exempted Process | Primary Product | Flexible Unit | No Organic HAP | Existing Source |
|---|---|---|---|---|---|---|
| PROASA | 63JJJPRO1 | YES | | | | |
| PROASA | 63JJJPRO2 | YES | | | | |
| PROASAALL | 63JJJPRO3 | NO | YES | NO | NO | NO |
| PROASAALL | 63JJJPRO4 | NO | YES | NO | NO | NO |
| PROSAN | 63JJJPRO3 | NO | YES | NO | NO | NO |
| PROSAN | 63JJJPRO4 | NO | YES | NO | NO | NO |
| | | | | | | |
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| Date | Permit No. | Regulated Entity No. |
|---|---|---|
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| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 1 | EmergeGen | OP-UA2 | ASA Emergency Generator | | 150950 | |
| A | 2 | RTO | OP-UA35<br>OP-UA52 | Regen Thermal Oxidizer | | 150950 | |
| A | 3 | MTFLARE | OP-UA7<br>OP-UA52 | Maintenance Flare | | 150950 | |
| A | 4 | B-1100 | OP-UA3 | ACN Tank | | 150950 | |
| A | 5 | B-1200 | OP-UA3 | Recycle Solvent Tank | | 150950 | |
| A | 6 | B1400 | OP-UA3 | Butyl Acrylate tank | | 150950 | |
| A | 7 | B1500 | OP-UA3 | DCPA Tank | | 150950 | |
| A | 8 | B1600 | OP-UA3 | P-10-P Tank | | 150950 | |
| A | 9 | V1803 | OP-UA3 | Oligomer Vessel | | 150950 | |
| A | 10 | B2500 | OP-UA3 | Dispersion Tank | | 150950 | |

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| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 11 | B2504 | OP-UA3 | Dispersion Tank | | 150950 | |
| A | 12 | B2508 | OP-UA3 | Dispersion Tank | | 150950 | |
| A | 13 | DieselTK | OP-UA3 | Diesel Tank | | 150950 | |
| A | 14 | CT | OP-UA13 | Cooling Tower Cell 1 & 2 | | 150950 | |
| A | 15 | ASAFUG | OP-UA12 | ASA Fugitive Components | | 150950 | |
| A | 16 | ASAFU10VOC | OP-UA12 | ASA Fugitive Components <10% VOC | | 150950 | |
| A | 17 | ASAFUGNH3 | | ASA Ammonia Fugitive Components | | 150950 | |
| A | 18 | ASAFUGNG | | ASA Natural Gas Fugitive Components | | 150950 | |
| A | 19 | V9840 | | DAF | | 150950 | |
| A | 20 | B9834 | | EQ Tank | | 150950 | |

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| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 21 | SU7311 | | Compounding & SAN Pellet Water Sump | | 150950 | |
| A | 22 | SU9726 | | Rubber Area Sump | | 150950 | |
| A | 23 | SU9740 | | Utility Rainwater Sump | | 150950 | |
| A | 24 | SU9722 | | SAN Sump | | 150950 | |
| A | 25 | SU9860 | | BIOSAN | | 150950 | |
| A | 26 | SU9724 | | Process Area Wastewater Sump | | 150950 | |
| A | 27 | B9850 | | Belt Press Filter | | 150950 | |
| A | 28 | HOH | OP-UA5 | Hot oil Heater | | 150950 | |
| A | 29 | C5644 | OP-UA15 | ASA Extruder Vent | | 150950 | |
| A | 30 | C5944 | OP-UA15 | ASA Extruder Vent | | 150950 | |

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| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 31 | C6244 | OP-UA15 | ASA Extruder Vent | | 150950 | |
| A | 32 | R2000 | OP-UA15 | Rubber Reactor Vents | | 150950 | |
| A | 33 | R2100 | OP-UA15 | Rubber Reactor Vents | | 150950 | |
| A | 34 | R2600 | OP-UA15 | Precipitation Reactor Vents | | 150950 | |
| A | 35 | R2700 | OP-UA15 | Precipitation Reactor Vents | | 150950 | |
| A | 36 | R2620 | OP-UA15 | Sintering Reactor Vents | | 150950 | |
| A | 37 | R2720 | OP-UA15 | Sintering Reactor Vents | | 150950 | |
| A | 38 | V8201 | OP-UA15 | Oily Water Sewer Vent | | 150950 | |
| A | 39 | E3042 | OP-UA15 | R3000 SAN Reactor Vent | | 150950 | |

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| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 40 | E3404 | OP-UA15 | E3404 Off-gas condenser | | 150950 | |
| A | 41 | V1207 | OP-UA15 | ACN Waste Collection Drum | | 150950 | |
| A | 42 | V9004 | OP-UA3 | Hot oil | | 150950 | |
| A | 43 | V9820 | OP-UA15 | ACN Hold up | | 150950 | |
| A | 44 | C3711 | OP-UA15 | SAN Dryer Vents | | 150950 | |
| A | 45 | C3750 | OP-UA15 | SAN Dryer Vents | | 150950 | |
| A | 46 | C3811 | OP-UA15 | SAN Dryer Vents | | 150950 | |
| A | 47 | C5711 | OP-UA15 | ASA Dryer Vents | | 150950 | |
| A | 48 | C6011 | OP-UA15 | ASA Dryer Vents | | 150950 | |

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| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 49 | C6311 | OP-UA15 | ASA Dryer Vents | | 150950 | |
| A | 50 | C6250 | OP-UA15 | ASA Dryer Vents | | 150950 | |
| A | 51 | F2223 | | Dust Extraction Fan | | 150950 | |
| A | 51 | F5008 | | D5000 VLP Silo | | 150950 | |
| A | 51 | F5018 | | D5010 VLP Silo | | 150950 | |
| A | 51 | F5028 | | D5020 VLP Silo | | 150950 | |
| A | 51 | F5048 | | D5040 VLP Silo | | 150950 | |
| A | 51 | F5058 | | D5050 VLP Silo | | 150950 | |
| A | 51 | F5068 | | D5060 VLP Silo | | 150950 | |
| A | 51 | F5102 | | D5101 Dust Collector | | 150950 | |
| A | 51 | F5112 | | D5111 Dust Collector | | 150950 | |

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| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 51 | F5122 | | D5121 Dust Collector | | 150950 | |
| A | 51 | F5132 | | D5131 Dust Collector | | 150950 | |
| A | 51 | F5142 | | D5141 Dust Collector | | 150950 | |
| A | 51 | F5152 | | D5151 Dust Collector | | 150950 | |
| A | 51 | F5251 | | Dust Collector Exhaust Fan | | 150950 | |
| A | 51 | F5414 | | D5410 Transition SAN Silo VLP | | 150950 | |
| A | 51 | F5415 | | D5400 Dust Collector | | 150950 | |
| A | 51 | F5420 | | Unloading Vacuum Blower | | 150950 | |
| A | 51 | F5582 | | V5581 Feed Hopper Rework ASA | | 150950 | |
| A | 51 | F5882 | | V5881 Feed Hopper Rework ASA | | 150950 | |

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| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 51 | F6182 | | V6181 Feed Hopper Rework ASA | | 150950 | |
| A | 51 | F6703 | | F6703 Exhaust Fan | | 150950 | |
| A | 51 | F6711 | | F6711 Exhaust Fan | | 150950 | |
| A | 51 | F7324 | | Vacuum Cleaning Blower | | 150950 | |
| A | 51 | F7580 | | D7500 Line 1 Blender 1 | | 150950 | |
| A | 51 | F7581 | | D7510 Line 1 Blender 2 | | 150950 | |
| A | 51 | F7582 | | D7520 Line 1 Blender 3 | | 150950 | |
| A | 51 | F7583 | | D7530 Line 2 Blender 1 | | 150950 | |
| A | 51 | F7584 | | D7540 Line 2 Blender 2 | | 150950 | |
| A | 51 | F7585 | | D7550 Line 2 Blender 3 | | 150950 | |
| A | 51 | F7640 | | D7600 Line 3 Blender 1 | | 150950 | |

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| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 51 | F7641 | | D7610 Line 3 Blender 2 | | | |
| A | 51 | F7642 | | D7620 Line 3 Blender 3 | | | |
| A | 51 | F7703 | | F7703 | | | |
| A | 51 | F7723 | | F7723 | | | |
| A | 51 | F7764 | | F7764 Rail Compartment Filter | | | |
| A | 51 | F7826 | | V7820 ASA Box/Supersack Pckg. 1 Feed Hopper | | | |
| A | 51 | F7836 | | V7830 ASA Box/Supersack Pckg. 2 Feed Hopper | | | |
| A | 51 | F7876 | | V7870 ASA Box/Supersack Pckg. 3 Feed Hopper | | | |
| A | 51 | F7811 | | V7810 SAN Box/Supersack Feed Hopper | | | |
| A | 51 | F7823 | | Line 1 Elutriator | | | |

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| 2/1/2023 | O1625 | RN100542224 |

| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 51 | F7833 | | Line 2 Elutriator | | 150950 | |
| A | 51 | F7873 | | Line 3 Elutriator | | 150950 | |
| A | 51 | F7840 | | SAN Packaging Filter | | 150950 | |
| A | 51 | F7850 | | ASA Packaging Filter 1 | | 150950 | |
| A | 51 | F7860 | | ASA Packaging Filter 2 | | 150950 | |
| A | 51 | F7880 | | ASA Packaging Filter 3 | | 150950 | |
| A | 51 | F7901 | | F7901 Deheeling Filter | | 150950 | |
| A | 52 | PK2800 | OP-UA15 | Rubber Dryer Vent | | 150950 | |
| A | 53 | PK2900 | OP-UA15 | Rubber Dryer Vent | | 150950 | |
| A | 54 | PROASA | OP-UA60 | ASA Process | | 150950 | |
| A | 55 | PROASAALL | OP-UA60 | SAN ASA and AMSAN Process | | 150950 | |
| A | 56 | PROSAN | OP-UA60 | SAN Process | | 150950 | |
| | 57 | CTOTANK | | Thermal Oxidizer | | 106.262/09/04/2000 | |

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| 2/1/2023 | O1625 | RN100542224 |

| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| | 58 | HB-1301P | OP-UA6 | Boiler | | 5252 | |
| | 59 | HB-301A | OP-UA6 | Boiler | | 5252 | |
| | 60 | HB-301B | OP-UA6 | Boiler | | 5252 | |
| | 61 | HB-301S | OP-UA6 | Boiler | | 5252 | |
| | 62 | HS-102 | OP-UA5 | Process Heater | | 5252 | |
| | 63 | HS-103 | OP-UA5 | Process Heater | | 5252 | |
| | 64 | HS-104 | OP-UA5 | Process Heater | | 5252 | |
| | 65 | HS-201/219 | OP-UA5 | Process Heater | | 5252 | |
| | 66 | HS-220 | OP-UA5 | Super Heater | | 5252 | |
| | 67 | HS-601 | OP-UA5 | Process Heater | | 5252 | |
| | 68 | MT-312 | OP-UA3 | Storage Tank | | 5252 | |
| | 69 | MT-306 | OP-UA3 | Storage Tank | | 5252 | |
| | 70 | MS-213 | OP-UA3 | Storage Tank | | 5252 | |

**Texas Commission on Environmental Quality**
**Federal Operating Permit Program**
**Individual Unit Summary for Revisions**
**Form OP-SUMR**
**Table 1**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| | 71 | MT-318 | OP-UA3 | Storage Tank | | 5252 | |
| | 72 | MT-307 | OP-UA3 | Storage Tank | | 5252 | |
| | 73 | MT-302 | OP-UA3 | Storage Tank | | 5252 | |
| | 74 | MT-308 | OP-UA3 | Storage Tank | | 5252 | |
| | 75 | MT-310 | OP-UA3 | Storage Tank | | 5252 | |
| | 76 | MT-311 | OP-UA3 | Storage Tank | | 5252 | |
| | 77 | MT-315 | OP-UA3 | Storage Tank | | 5252 | |
| | 78 | MT-316 | OP-UA3 | Storage Tank | | 5252 | |
| | 79 | MT-317 | OP-UA3 | Storage Tank | | 5252 | |
| | 80 | MT-322 | OP-UA3 | Storage Tank | | 5252 | |
| | 81 | MT-355 | OP-UA3 | Storage Tank | | 5252 | |

**Texas Commission on Environmental Quality**
**Federal Operating Permit Program**
**Individual Unit Summary for Revisions**
**Form OP-SUMR**
**Table 1**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Unit/Process AI | Unit/Process Revision No. | Unit/Process ID No. | Unit/Process Applicable Form | Unit/Process Name/ Description | Unit/Process CAM | Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106 | Preconstruction Authorizations Title I |
|---|---|---|---|---|---|---|---|
| A | 82 | PROEBSM | OP-UA60 | Monomers Process | | 5252 | |
| A | 83 | 115 | OP-UA2 | Emergency Generator | | 150950 | |
| A | 84 | 802A | OP-UA2 | Firewater Pump | | 150950 | |
| A | 85 | 802B | OP-UA2 | Firewater Pump | | 150950 | |
| A | 86 | 802S | OP-UA2 | Firewater Pump | | 150950 | |
| A | 87 | MSS | | ASA MSS | | 150950 | |
| D | 88 | CT-2 | | Cooling Tower | | 5252 | |
| | 89 | CT-1 | | Cooling Tower | | 106.371/09/04/2000 | |
| A | 90 | FUGPAINT | | Fugitive Emission Units | | 106.433/09/04/2000 | |
| | 91 | FUG-NH3 | | Fugitive Emission Units | | 106.261/09/04/2000<br>106.262/09/04/2000 | |
| | 92 | FUG-VOC | | Fugitive Emission Units | | 106.261/09/04/2000<br>106.262/09/04/2000 | |
| | 93 | FUG-Bz | | Fugitive Emission Units | | 106.261/09/04/2000<br>106.262/09/04/2000 | |

**Texas Commission on Environmental Quality**
**Federal Operating Permit Program**
**Individual Unit Summary for Revisions**
**Form OP-SUMR**
**Table 2**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Revision No. | ID No. | Applicable Form | Group AI | Group ID No. |
|---|---|---|---|---|
| 52 | F2223 | | A | GRPFilter |
| 52 | F5008 | | A | GRPFilter |
| 52 | F5018 | | A | GRPFilter |
| 52 | F5028 | | A | GRPFilter |
| 52 | F5048 | | A | GRPFilter |
| 52 | F5058 | | A | GRPFilter |
| 52 | F5068 | | A | GRPFilter |
| 52 | F5102 | | A | GRPFilter |
| 52 | F5112 | | A | GRPFilter |
| 52 | F5122 | | A | GRPFilter |
| 52 | F5132 | | A | GRPFilter |
| 52 | F5142 | | A | GRPFilter |
| 52 | F5152 | | A | GRPFilter |
| 52 | F5251 | | A | GRPFilter |

**Texas Commission on Environmental Quality**
**Federal Operating Permit Program**
**Individual Unit Summary for Revisions**
**Form OP-SUMR**
**Table 2**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Revision No. | ID No. | Applicable Form | Group AI | Group ID No. |
|---|---|---|---|---|
| 52 | F5414 | | A | GRPFilter |
| 52 | F5415 | | A | GRPFilter |
| 52 | F5420 | | A | GRPFilter |
| 52 | F5582 | | A | GRPFilter |
| 52 | F5882 | | A | GRPFilter |
| 52 | F6182 | | A | GRPFilter |
| 52 | F6703 | | A | GRPFilter |
| 52 | F6711 | | A | GRPFilter |
| 52 | F7324 | | A | GRPFilter |
| 52 | F7580 | | A | GRPFilter |

**Texas Commission on Environmental Quality**
**Federal Operating Permit Program**
**Individual Unit Summary for Revisions**
**Form OP-SUMR**
**Table 2**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Revision No. | ID No. | Applicable Form | Group AI | Group ID No. |
|---|---|---|---|---|
| 52 | F7581 | | A | GRPFilter |
| 52 | F7582 | | A | GRPFilter |
| 52 | F7583 | | A | GRPFilter |
| 52 | F7584 | | A | GRPFilter |
| 52 | F7585 | | A | GRPFilter |
| 52 | F7640 | | A | GRPFilter |
| 52 | F7641 | | A | GRPFilter |
| 52 | F7642 | | A | GRPFilter |
| 52 | F7703 | | A | GRPFilter |
| 52 | F7723 | | A | GRPFilter |

**Texas Commission on Environmental Quality**
**Federal Operating Permit Program**
**Individual Unit Summary for Revisions**
**Form OP-SUMR**
**Table 2**

| Date | Permit No. | Regulated Entity No. |
|---|---|---|
| 2/1/2023 | O1625 | RN100542224 |

| Revision No. | ID No. | Applicable Form | Group AI | Group ID No. |
|---|---|---|---|---|
| 52 | F7764 | | A | GRPFilter |
| 52 | F7826 | | A | GRPFilter |
| 52 | F7836 | | A | GRPFilter |
| 52 | F7876 | | A | GRPFilter |
| 52 | F7811 | | A | GRPFilter |
| 52 | F7823 | | A | GRPFilter |
| 52 | F7764 | | A | GRPFilter |
| | | | | |
| | | | | |
| | | | | |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 1)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 1 | EmergeGen | OP-SUMR<br>OP-UA2 | R7ICI-2 | Exempt | 30 TAC<br>Chapter 117, Division 3,<br>Engines | [G]§117.303(a)(11)<br>[G]§117.310(f) |
| 1 | EmergeGen | OP-SUMR<br>OP-UA2 | 63ZZZZ-2 | Exempt | 40 CFR Part 63, Subpart ZZZZ | §63.6590(b)(1)<br>§63.6595(c )<br>§63.6640(f)(1)<br>§63.6640(f)(2)<br>§63.6640(f)(2)(i)<br>§63.6640(f)(3) |
| 1 | EmergeGen | OP-SUMR<br>OP-UA2 | 63IIII-1 | NMHC+Nox | 40 CFR Part 60, Subpart IIII | §60.4205(b)\|5<br>§60.4202(a)(2)<br>§89.112(a)<br>§60.4206<br>§60.4207(b)<br>[G]§60.4211(f)<br>§60.4218<br>§60.4211(c )<br>[G]§60.4211(a) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 2)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 1 | EmergeGen | OP-SUMR<br>OP-UA2 | 63IIII-1 | CO | 40 CFR Part 60, Subpart IIII | §60.4205(b)\|13<br>§60.4202(a)(2)<br>§89.112(a)<br>§60.4206<br>§60.4207(b)<br>[G]§60.4211(f)<br>§60.4218<br>§60.4211(c )<br>[G]§60.4211(a) |
| 1 | EmergeGen | OP-SUMR<br>OP-UA2 | 63IIII-1 | PM | 40 CFR Part 60, Subpart IIII | §60.4205(b)\|22<br>§60.4202(a)(2)<br>§89.112(a)<br>§60.4206<br>§60.4207(b)<br>[G]§60.4211(f)<br>§60.4218<br>§60.4211(c )<br>[G]§60.4211(a) |
| 2 | RTO | OP-SUMR<br>OP-UA35 | R7201-1 | NOx | 30 TAC<br>Chapter 117, Division 3,<br>Incinerators | §117.310(d)(3)<br>§117.310(a), (b), [G](e)(1), (e)(2)<br>[G]§117.310(e)(3), (e)(4)<br>§117.340(l)(2), (p)(1), (p)(3)<br>[G]§117.310(a)(16)<br>§117.340(f)(1)<br>§117.340(c)(1), [G](c)(3) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 3)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 2 | RTO | OP-SUMR<br>OP-UA35 | R7201INC-1 | CO | 30 TAC<br>Chapter 117, Division 3,<br>Incinerators | §117.310(c)(1)\|1<br>§117.310(c)(1)(B)<br>§117.325(a)\|2 |
| 2 | RTO | OP-SUMR<br>OP-UA35 | R7201INC-1 | NH3 | 30 TAC<br>Chapter 117, Division 3,<br>Incinerators | §117.325(a)\|2<br>§117.340(f)(1) |
| 3 | MTFLARE | OP-UA7 | R111-1 | Opacity | 30 TAC Chapter<br>111, Visible<br>Emissions | §111.111(a)(4)(A)\|1 |
| 3 | MTFLARE | OP-UA7 | 60A-1 | Opacity | 40 CFR Part 60, Subpart A | § 60.18(b)<br>§ 60.18(c)(1)<br>§ 60.18(c)(2)<br>§ 60.18(c)(3)(ii)<br>§ 60.18(c)(4)(i)<br>§ 60.18(c)(6)<br>§ 60.18(e) |
| 3 | MTFLARE | OP-UA7 | 63A-1 | Opacity | 40 CFR Part 63, Subpart A | § 63.11(b)(4)<br>§ 63.11(b)(1)<br>§ 63.11(b)(2)<br>§ 63.11(b)(3)<br>§ 63.11(b)(5)<br>§ 63.11(b)(6)(ii)<br>§ 63.11(b)(7)(i) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 4)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 4 | B1100 | OP-UA3 | R5112-10 | VOC | 30 TAC Chapter 115, Storage of VOCs | §115.112(e)(1)<br>§115.112(e)(2), (e)(2)(A)-(D)<br>§115.112(e)(2)(F), [G](e)(2)(I)<br>§115.114(a)(1)(A) |
| 4 | B1100 | OP-UA3 | 63JJ-7 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a)<br>[G]§63.1311(o)<br>§63.1314(c)<br>§63.119(e), (e)(3)-(5)<br>[G]§63.148(d), (e)<br>§63.119(e)(1)<br>§63.1334(a)(1) |
| 4 | B1100 | OP-UA3 | 63JJ-8 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | [G]§63.1311(o)<br>[G]§63.148(d), (e)<br>§63.1314(c)<br>§63.119(e), (e)(3)-(5)<br>[G]§63.148(d), (e)<br>§63.1333(e) |
| 4 | B1100 | OP-UA3 | 63JJJ-1 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a)<br>[G]§63.1311(o)<br>§63.1314(b), (b)(2)<br>§63.119(e), (e)(3)-(5)<br>[G]§63.148(d), (e )<br>§63.1334(a)(1) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 5)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 4 | B1100 | OP-UA3 | 63JJJ-2 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a) [G]§63.1311(o) §63.1314(b), (b)(2) §63.119(e), (e)(3)-(5) [G]§63.148(d), (e ) §63.1333(e) |
| 5 | B1200 | OP-UA3 | 63JJJ-5 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a), [G]§63.1311(o) §63.119(a)(1) §63.119(e), (e)(3)-(5) [G]§63.148(d), (e ) §63.119(e)(1) §63.1334(a)(1) |
| 5 | B1200 | OP-UA3 | 63JJJ-6 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a) [G]§63.1311(o) §63.119(a)(1) §63.119(e), (e)(3)-(5) [G]§63.148(d), (e ), §63.1333(e) |
| 6 | B1400 | OP-UA3 | R5112-8 | VOC | 30 TAC Chapter 115, Storage of VOCs | §115.111(a)(1) |
| 7 | B1500 | OP-UA3 | R5112-8 | VOC | 30 TAC Chapter 115, Storage of VOCs | §115.111(a)(1) |
| 8 | B1600 | OP-UA3 | R5112-8 | VOC | 30 TAC Chapter 115, Storage of VOCs | §115.111(a)(1) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 6)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 9 | V1803 | OP-UA3 | R5112-6 | VOC | 30 TAC Chapter 115, Storage of VOCs | §115.111(a)(1) |
| 9 | V1803 | OP-UA3 | 63JJJ-3 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a), [G]§63.1311(o), §63.119(a)(3) |
| 10 | B2500 | OP-UA3 | 63JJJ-5 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a), [G]§63.1311(o) §63.119(a)(1) §63.119(e), (e)(3)-(5) [G]§63.148(d), (e ) §63.119(e)(1) §63.1334(a)(1) |
| 10 | B2500 | OP-UA3 | 63JJJ-6 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a), [G]§63.1311(o) §63.119(a)(1) §63.119(e), (e)(3)-(5) [G]§63.148(d), (e ), §63.1333(e) |
| 10 | B2500 | OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A) [G]§115.122(a)(4) §115.127(a)(2) |
| 11 | B2504 | OP-UA3 | 63JJJ-5 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a), [G]§63.1311(o) §63.119(a)(1) §63.119(e), (e)(3)-(5) [G]§63.148(d), (e ) §63.119(e)(1) §63.1334(a)(1) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 7)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 11 | B2504 | OP-UA3 | 63JJJ-6 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a), [G]§63.1311(o) §63.119(a)(1) §63.119(e), (e)(3)-(5) [G]§63.148(d), (e ), §63.1333(e) |
| 11 | B2504 | OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A) [G]§115.122(a)(4) §115.127(a)(2) |
| 12 | B2508 | OP-UA3 | 63JJJ-5 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a), [G]§63.1311(o) §63.119(a)(1) §63.119(e), (e)(3)-(5) [G]§63.148(d), (e ) §63.119(e)(1) §63.1334(a)(1) |
| 12 | B2508 | OP-UA3 | 63JJJ-6 | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1314(a), [G]§63.1311(o) §63.119(a)(1) §63.119(e), (e)(3)-(5) [G]§63.148(d), (e ), §63.1333(e) |
| 12 | B2508 | OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A) [G]§115.122(a)(4) §115.127(a)(2) |
| 13 | DieselTK | OP-UA3 | R5112-8 | VOC | 30 TAC Chapter 115, Storage of VOCs | §115.111(a)(1) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 8)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 14 | CT | OP-UA13 | 63JJJCT | 112(B) HAPS | 40 CFR Part 63, Subpart JJJ | §63.1328(a)<br>[G]§63.104(a), [G](d), (e)<br>§63.104(e)(1), [G](e)(2)<br>[G]§63.1311(o)<br>§63.1328(e ) |
| 15 | ASAFUG | OP-UA12 | R5352-ALL | VOC | 30 TAC Chapter 115, Storage of VOCs | ALL |
| 15 | ASAFUG | OP-UA12 | 63H-ALL | 112(B) HAPS | ALL | ALL |
| 15 | ASAFUG | OP-UA12 | 63JJJ-ALL | 112(B) HAPS | ALL | ALL |
| 16 | ASAFU10VOC | OP-UA12 | R5352-ALL | VOC | ALL | ALL |
| 16 | ASAFU10VOC | OP-UA12 | 63H-ALL | 112(B) HAPS | ALL | ALL |
| 16 | ASAFU10VOC | OP-UA12 | 63JJJ-ALL | 112(B) HAPS | ALL | ALL |
| 19 | V9840 | OP-UA3 | R5112-11 | VOC | 30 TAC Chapter 115, Subchapter B, Storage Tanks | §115.111(a)(1) |
| 20 | B9834 | OP-UA3 | R5112-11 | VOC | 30 TAC Chapter 115, Subchapter B, Storage Tanks | §115.111(a)(1) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 9)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 28 | HOH | UA-5 | R7PHF-2 | Nox | 30 TAC Chapter 117, Subchapter B, Process Heater | §117.310(d)(3)<br>§117.310(a), (b), [G](e)(1), (e)(2)<br>[G]§117.310(e)(3), (e)(4)<br>§117.340(l)(2), (p)(1), (p)(3)<br>§117.310(a)(8)(A)(ii)<br>§117.340(p)(2)(c) |
| 28 | HOH | UA-5 | R7PHF-2 | CO | 30 TAC Chapter 117, Subchapter B, Process Heater | §117.310(c)(1)\|1<br>§117.310(c)(3)<br>§117.310(c)(1)(B) |
| 28 | HOH | UA-5 | 63DDDDD-4 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.1\|2<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), [G](a)(10), (a)(12)-(13)<br>§63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), (a)(1), [G](a)(10), (a)(13) |
| 29 | C5644 | UA-15 | R5121-6 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.122(a)(1)<br>§115.121(a)(1)<br>§115.122(a)(1)(A) |
| 30 | C5944 | UA-15 | R5121-6 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.122(a)(1)<br>§115.121(a)(1)<br>§115.122(a)(1)(A) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 10)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 31 | C6244 | UA-15 | R5121-6 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.122(a)(1)<br>§115.121(a)(1)<br>§115.122(a)(1)(A) |
| 32 | R2000 | UA-15 | R5121-9 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 32 | R2000 | OP-SUMR<br>OP-UA15 | 63JJJPV-2 | VOC | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Batch Process Vents | §63.1315(e)(2)(i)<br>[G]§63.1311(o)<br>§63.1324(a)(2), (f)(1)<br>§63.1334(a)(1) |
| 33 | R2100 | UA-15 | R5121-9 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 33 | R2100 | OP-SUMR<br>OP-UA15 | 63JJJPV-2 | VOC | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Batch Process Vents | §63.1315(e)(2)(i)<br>[G]§63.1311(o)<br>§63.1324(a)(2), (f)(1)<br>§63.1334(a)(1) |
| 34 | R2600 | OP-SUMR<br>OP-UA15 | R5121-9 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 11)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 34 | R2600 | OP-SUMR<br>OP-UA15 | 63JJJPV-1 | 112(B)<br>HAPS | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Continuous Process Vents | §63.1315(a)<br>[G]§63.1311(o)<br>§63.113(e)<br>§63.1315(a)(14), (a)(15) |
| 35 | R2700 | OP-SUMR<br>OP-UA15 | R5121-9 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 35 | R2700 | OP-SUMR<br>OP-UA15 | 63JJJPV-1 | 112(B)<br>HAPS | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Continuous Process Vents | 63.1315(a)<br>[G]§63.1311(o)<br>§63.113(e)<br>§63.1315(a)(14), (a)(15) |
| 36 | R2620 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 36 | R2620 | OP-SUMR<br>OP-UA15 | 63JJJPV-1 | 112(B)<br>HAPS | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Continuous Process Vents | §63.1315(a)<br>[G]§63.1311(o)<br>§63.113(e)<br>§63.1315(a)(14), (a)(15)) |
| 37 | R2720 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 12)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 37 | R2720 | OP-SUMR<br>OP-UA15 | 63JJJPV-1 | 112(B)<br>HAPS | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Continuous Process Vents | §63.1315(a)<br>[G]§63.1311(o)<br>§63.113(e)<br>§63.1315(a)(14), (a)(15) |
| 38 | V8201 | OP-SUMR<br>OP-UA15 | R5121-6 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.122(a)(1)<br>§115.121(a)(1)<br>§115.122(a)(1)(A) |
| 38 | V8201 | OP-SUMR<br>OP-UA15 | R5121-7 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.122(a)(1)<br>§115.121(a)(1)<br>§60.18<br>§115.122(a)(1)(B |
| 39 | E3042 | OP-SUMR<br>OP-UA15 | R5121-9 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 39 | E3042 | OP-SUMR<br>OP-UA15 | 63JJJPV-2 | 112(B)<br>HAPS | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Continuous Process Vents | §63.1315(a)<br>[G]§63.1311(o)<br>§63.1315(a)(18)<br>§63.1322(a)(3)<br>§63.1323(j)(2)<br>§63.1333(c )<br>§63.1315(a)(18)<br>§63.1334(a)(1) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 13)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 39 | E3042 | OP-SUMR<br>OP-UA15 | 63JJJPV-3 | 112(B)<br>HAPS | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Continuous Process Vents | §63.1315(a)<br>[G]§63.1311(o)<br>§63.1333(e)<br>§63.1322(a)(3)<br>§63.1323(j)(2)<br>§63.1333( c) |
| 40 | E3404 | OP-SUMR<br>OP-UA15 | R5121-6 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.122(a)(1)<br>§115.121(a)(1)<br>§115.122(a)(1)(A) |
| 40 | E3404 | OP-SUMR<br>OP-UA15 | R5121-7 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.122(a)(1)<br>§115.121(a)(1)<br>§60.18<br>§115.122(a)(1)(B |
| 40 | E3404 | OP-SUMR<br>OP-UA15 | 63JJJPV-2 | 112(B)<br>HAPS | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Continuous Process Vents | §63.1315(a)<br>[G]§63.1311(o)<br>§63.1322(a)(3)<br>§63.1323(j)(2)<br>§63.1333(c )<br>§63.1315(a)(18)<br>§63.1334(a)(1) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 14)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 40 | E3404 | OP-SUMR<br>OP-UA15 | 63JJJPV-3 | 112(B)<br>HAPS | 40 CFR 63 Subchapter JJJ, Group IV Polymers and Resins, Continuous Process Vents | §63.1315(a)<br>[G]§63.1311(o)<br>§63.1333(e)<br>§63.1322(a)(3)<br>§63.1323(j)(2)<br>§63.1333( c) |
| 41 | V1207 | OP-SUMR<br>OP-UA15 | R5121-9 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 42 | V9004 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 43 | V9820 | OP-UA3 | 63JJJWW-1 | 112(B)<br>HAPS | 40 CFR Part 63, Subpart JJJ, Wastewater | §63.1330(b)<br>§63.133(a)(1) |
| 43 | V9820 | OP-UA3 | 63JJJWW-1 | 112(B)<br>HAPS | 40 CFR Part 63, Subpart JJJ, Wastewater | §63.1330(b)<br>§63.133(a)(1) |
| 43 | V9820 | OP-UA3 | R5112-11 | VOC | 30 TAC Chapter 115, Subchapter B, Storage Tanks | §115.111(a)(1) |
| 43 | V9820 | OP-UA3 | R5112-11 | VOC | 30 TAC Chapter 115, Subchapter B, Wastewater | §115.111(a)(1) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 15)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 44 | C3711 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 45 | C3750 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 46 | C3811 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 47 | C5711 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 48 | C6011 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 49 | C6311 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 50 | C6250 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 16)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 52 | PK2800 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 53 | PK2900 | OP-SUMR<br>OP-UA15 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 54 | PROASA | OP-SUMR<br>OP-UA60 | R5160-1 | VOC | 30 TAC Chapter 115, Subchapter D Batch Processes | §115.162(1)<br>§115.162(1)(A)-(C)<br>§115.162(2)<br>§115.162(2)(D), (2)(e ) |
| 55 | PROASAALL | OP-SUMR<br>OP-UA60 | R5121-8 | VOC | 30 TAC Chapter 115, Subchapter B Vent Gas Control | §115.127(a)(2)(A)<br>[G]§115.122(a)(4)<br>§115.127(a)(2) |
| 55 | PROASAALL | OP-SUMR<br>OP-UA60 | 63JJJPRO2 | 112(B)<br>HAPS | 40 CFR Part 63 Group IV Polymers and Resins | §63.1310(f)(1)(iv)<br>§63.1310(f)(9), [G](j)<br>§63.1335(e)(1)<br>§63.1335(b)(2) |
| 56 | PROSAN | OP-SUMR<br>OP-UA60 | 63JJJPRO2 | 112(B)<br>HAPS | 40 CFR Part 63 Group IV Polymers and Resins | §63.1310(f)(1)(iv)<br>§63.1310(f)(9), [G](j)<br>§63.1335(e)(1)<br>§63.1335(b)(2) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 17)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 58 | HB-1301P | OP-SUMR<br>OP-UA6 | 63DDDDD-IB | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.1\|2<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), [G](a)(10), (a)(12)-(13) |
| 59 | HB-301A | OP-SUMR<br>OP-UA6 | 63DDDDD-IB | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.1\|2<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), [G](a)(10), (a)(12)-(13) |
| 60 | HB-301B | OP-SUMR<br>OP-UA6 | 63DDDDD-IB | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.1\|2<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), [G](a)(10), (a)(12)-(13) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 18)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 61 | HB-301S | OP-SUMR<br>OP-UA6 | 63DDDDD-IB | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.1\|2<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), [G](a)(10), (a)(12)-(13) |
| 62 | HS-102 | OP-SUMR<br>OP-UA5 | 63DDDDD-1 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.1\|5<br>§63.7500(a)(1), (a)(3), (e)<br>§63.7505(a)<br>§63.7540(a), [G](a)(10), (a)(12)-(13) |
| 63 | HS-103 | OP-SUMR<br>OP-UA5 | 63DDDDD-2 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), (a)(1), [G](a)(10), (a)(13) |
| 64 | HS-104 | OP-SUMR<br>OP-UA5 | 63DDDDD-2 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), (a)(1), [G](a)(10), (a)(13) |
| 65 | HS-201/219 | OP-SUMR<br>OP-UA5 | 63DDDDD-2 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), (a)(1), [G](a)(10), (a)(13) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 19)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 66 | HS-220 | OP-SUMR<br>OP-UA5 | 63DDDDD-2 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), (a)(1), [G](a)(10), (a)(13) |
| 66 | HS-220 | OP-SUMR<br>OP-UA5 | 63DDDDD-3 | HCL | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 2.14.a\|1<br>§63.7500(a)(1)<br>§63.7500(a)(1)-Table 3.3<br>[G]§63.7500(a)(1)-Table 3.5<br>§63.7500(a)(1)-Table 3.6<br>§63.7500(a)(2)<br>§63.7500(a)(2)-Table 4.7<br>§63.7500(a)(3), (f)<br>§63.7505(a), (d), (e)<br>§63.7530(h)<br>§63.7540(a), (a)(1), [G](a)(3)<br>§63.7540(a)(4), [G](a)(10), (a)(13), (d) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 20)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 66 | HS-220 | OP-SUMR<br>OP-UA5 | 63DDDDD-3 | HG | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 2.14.b\|1<br><br>§63.7500(a)(1)<br>§63.7500(a)(1)-Table 3.3<br>[G]§63.7500(a)(1)-Table 3.5<br>§63.7500(a)(1)-Table 3.6<br>§63.7500(a)(2)<br>§63.7500(a)(2)-Table 4.7<br>§63.7500(a)(3), (f)<br>§63.7505(a), (d), (e)<br>§63.7530(h)<br>§63.7540(a), (a)(1), [G](a)(10)<br>§63.7540(a)(13), (d)<br><br>§63.7540(a)(5) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 21)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 66 | HS-220 | OP-SUMR<br>OP-UA5 | 63DDDDD-3 | CO | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)<br>§63.7500(a)(1)-Table 3.3<br>[G]§63.7500(a)(1)-Table 3.5<br>§63.7500(a)(1)-Table 3.6<br>§63.7500(a)(2)<br>§63.7500(a)(2)-Table 4.7<br>§63.7500(a)(3), (f)<br>§63.7505(a), (d), (e)<br>§63.7530(h)<br>§63.7540(a), (a)(1), [G](a)(10)<br>§63.7540(a)(13), (d)<br><br>[G]§63.7505(d)(1) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 22)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 66 | HS-220 | OP-SUMR<br>OP-UA5 | 63DDDDD-3 | PM | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 2.15.b\|2<br><br>§63.7500(a)(1)<br>§63.7500(a)(1)-Table 3.3<br>[G]§63.7500(a)(1)-Table 3.5<br>§63.7500(a)(1)-Table 3.6<br>§63.7500(a)(2)<br>§63.7500(a)(2)-Table 4.7<br>§63.7500(a)(3), (f)<br>§63.7505(a), (d), (e)<br>§63.7530(h)<br>§63.7540(a), (a)(1), [G](a)(10)<br>§63.7540 (a)(13), (d)<br><br>[G]§63.7540(a)(17) |
| 67 | HS-601 | OP-SUMR<br>OP-UA5 | 63DDDDD-2 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)<br>§63.7540(a), (a)(1), [G](a)(10), (a)(13) |
| 68 | MT-312 | OP-SUMR<br>OP-UA3 | 63G110-2 | VOC | 40 CFR Part 63, Subpart G | §63.119(b)<br>§63.119(a)(1), [G](b)(1), (b)(2)<br>§63.119(b)(4), (b)(5)(i)-(vii)<br>[G]§63.119(b)(5)(viii), (b)(6)<br>§63.120(a)(4), (a)(7)<br><br>§63.119(b)(3)(i) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 23)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 69 | MT-306 | OP-SUMR<br>OP-UA3 | 63G110-1 | VOC | 40 CFR Part 63, Subpart G | §63.119(e)<br>§63.119(a)(1), (e)(3)-(5)<br>§63.172(a) [G]§63.172(h), (i), (m)<br>§63.119(e)(1) |
| 70 | MS-213 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 71 | MT-318 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 72 | MT-307 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 73 | MT-302 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 74 | MT-308 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 75 | MT-310 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 76 | MT-311 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 77 | MT-315 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 78 | MT-316 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 24)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 79 | MT-317 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 80 | MT-322 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 81 | MT-355 | OP-SUMR<br>OP-UA3 | 63G110-3 | VOC | 40 CFR Part 63, Subpart G | §63.119(a)(3) |
| 82 | PROEBSM | OP-SUMR<br>OP-UA60 | 63FPRO | VOC | 40 CFR Part 63, Subpart F | §63.100(b)<br>[G]§63.102(a), [G](c)<br>§63.105(d)<br>§63.104(a), [G](d)<br>§63.104(e), (e)(1), [G](e)(2) |
| 83 | 115 | OP-SUMR<br>OP-UA2 | 63ZZZZ-3 | Exempt | 40 CFR Part 63, Subpart ZZZZ | §63.6602-Table 2c.1<br>§63.6595(a)(1)<br>§63.6605(a)-(b)<br>§63.6625(e), (h), (i)<br>§63.6640(f)(1), (f)(2)<br>§63.6640(f)(2)(i), (f)(3) |
| 84 | 802A | OP-SUMR<br>OP-UA2 | 63ZZZZ-3 | Exempt | 40 CFR Part 63, Subpart ZZZZ | §63.6602-Table 2c.1<br>§63.6595(a)(1)<br>§63.6605(a)-(b)<br>§63.6625(e), (h), (i)<br>§63.6640(f)(1), (f)(2)<br>§63.6640(f)(2)(i), (f)(3) |

**Applicable Requirements Summary**
**Form OP-REQ3 (Page 25)**
**Federal Operating Permit Program**
**Table 1a: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit/Group/ Process ID No. | Unit/Group/Process Applicable Form | SOP/GOP Index No | Pollutant | Applicable Regulatory Requirement Name | Applicable Regulatory Requirement Standard(s) |
|---|---|---|---|---|---|---|
| 85 | 802B | OP-SUMR<br>OP-UA2 | 63ZZZZ-3 | Exempt | 40 CFR Part 63, Subpart ZZZZ | §63.6602-Table 2c.1<br>§63.6595(a)(1)<br>§63.6605(a)-(b)<br>§63.6625(e), (h), (i)<br>§63.6640(f)(1), (f)(2)<br>§63.6640(f)(2)(i), (f)(3) |
| 86 | 802S | OP-SUMR<br>OP-UA2 | 63ZZZZ-3 | Exempt | 40 CFR Part 63, Subpart ZZZZ | §63.6602-Table 2c.1<br>§63.6595(a)(1)<br>§63.6605(a)-(b)<br>§63.6625(e), (h), (i)<br>§63.6640(f)(1), (f)(2)<br>§63.6640(f)(2)(i), (f)(3) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 2)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 1 | EmergeGen | R7ICI-2 | Exempt | None | §117.340(j)<br>§117.345(f)<br>[G]§117.345(f)(6)<br>[G]§117.345(f)(10) | None |
| 1 | EmergeGen | 63ZZZZ-2 | Exempt | None | None | [R]§63.6645(f) |
| 1 | EmergeGen | 63IIII-1 | NMHC+Nox | None | [G]§60.4214(d) | None |
| 1 | EmergeGen | 63IIII-1 | CO | None | [G]§60.4214(d) | None |
| 1 | EmergeGen | 63IIII-1 | PM | None | [G]§60.4214(d) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 2)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 2 | RTO | R7201-1 | NOx | [G]§117.335(a)(1), (a)(4), (b)<br>§117.335(d), (g)<br>§117.340(l)(2), (o)(1), (p)(1)<br>§117.335(c )<br>G]§117.340(f)(2)<br>§117.8100(a), (a)(1), (a)(1)(A)-(B)<br>§117.8100(a)(1)(B)(i)-(ii), (a)(1)(C)<br>§117.8100(a)(2), [G](a)(3), (a)(4)-(5)<br>§117.8100(a)(5)(A)-(B)<br>[G]§117.8100(a)(5)(D)-(E), (a)(6)<br>§117.335(f), (f)(2))<br>§117.340(a)(2)(A)<br>§117.340(c)(1), [G](c)(3) | §117.345(a), (f), (f)(9)<br><br>[G]§117.345(f)(2), (f)(8)<br>§117.8100(a)(5)(c ) | §117.335(b), (g)<br>[G]§117.345(b)-(c)<br>§117.8010, [G](1), (2), (2)(A)-(D)<br>[G]§117.8010(3), (4), [G](5)<br>§117.8010(6), [G](7)<br>§117.345(d), (d)(3)<br>[G]§117.8010(8)<br>§117.8100(c ) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 3)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 2 | RTO | R7201INC-1 | CO | [G]§117.335(a)(1), (a)(4), (b)<br>§117.335(d), (g)<br>§117.335(e)<br>§117.8000(b)-(c), (c)(2)<br>§117.8000(c)(3), (c)(5)-(6)<br>[G]§117.8000(d)<br>§117.340(a)(2)(A)<br>§117.340(e)<br>§117.8120, (1), (1)(A) | §117.345(a), (f), (f)(9)<br>§117.340(e)<br>§117.345(f)(7) | §117.335(b), (g)<br>[G]§117.345(b)-(c)<br>§117.8010, [G](1), (2), (2)(A)-(B)<br>[G]§117.8010(3), (4), [G](5)<br>§117.8010(6), [G](7)<br>§117.345(f)(7) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 4)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 2 | RTO | R7201INC-1 | NH3 | §117.335(a)(2), (a)(4), (b)<br>§117.335(d), (g)<br>§117.340(d)<br>§117.8130<br>§117.345(a), (f), (f)(9), (f)(11)<br>§117.335(c)<br>[G]§117.340(f)(2)<br>[G]§117.340(g)<br>§117.8100(a), (a)(1), (a)(1)(A)-(B)<br>§117.8100(a)(1)(B)(ii), (a)(1)(C)<br>§117.8100(a)(2), [G](a)(3), (a)(4)-(5)<br>§117.8100(a)(5)(A)-(B)<br>[G]§117.8100(a)(5)(D)-(E), (a)(6)<br>§117.8130(4) | §117.345(a), (f), (f)(9), (f)(11)<br>[G]§117.345(f)(2), (f)(8)<br>§117.8100(a)(5)(c ) | §117.335(b), (g)<br>[G]§117.345(b)-(c)<br>§117.8010, [G](1), (2), (2)(A)-(B)<br>[G]§117.8010(3), (4), [G](5), (6)<br>[G]§117.8010(7)<br>§117.345(d), (d)(2)-(5)<br>[G]§117.8010(8)<br>§117.8100(c ) |
| 3 | MTFLARE | R111-1 | Opacity | [T]§111.111(a)(4)(A)(i)<br>§111.111(a)(4)(A)(ii) | §111.111(a)(4)(A)(ii) | None |
| 3 | MTFLARE | 60A-1 | Opacity | § 60.18(d)<br>§ 60.18(f)(1)<br>§ 60.18(f)(2)<br>§ 60.18(f)(3)<br>§ 60.18(f)(4) | None | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 5)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 3 | MTFLARE | 63A-1 | Opacity | § 63.11(b)(4)<br>§ 63.11(b)(5)<br>§ 63.11(b)(7)(i) | None | None |
| 4 | B1100 | R5112-10 | VOC | §115.114(a)(1), (a)(1)(A)<br>[G]§115.117 | §115.118(a)(3), (a)(5)<br>§115.118(a)(6)(C), (a)(7) | §115.114(a)(1)(B) |
| 4 | B1100 | 63JJJ-7 | 112(B)<br>HAPS | [G]§63.148(c), (g), (g)(2)<br>§63.148(h), (h)(2)<br>§63.148(b)(1)(ii)<br>§63.120(d)(6)<br>§63.120(d)(1), (d)(5)<br>§63.1314(a)(9)<br>§63.1334(a), [T](c) | §63.123(a), [G](f)(2)<br>§63.148(g)(2), (h)(2), (i)(1)<br>§63.148(i)(2), [G](i)(4), (i)(5)<br>§63.148(i)(6)<br>§63.120(d)(1)(i), (d)(1)(i)(A)<br>§63.123(f)(1)<br>§63.1314(a)(9)<br>§63.120(d)(1)(i)(B) | §63.1310(g)(6)<br>§63.1335(e)(5)(vi), (e)(6)(vii)<br>[G]§63.122(g)(1)<br>§63.148(j)<br>§63.120(d)(1), (d)(2), (d)(2)(i)-(ii)<br>§63.120(d)(3), (d)(3)(i), (d)(4)<br>§63.122(b), (c)(1), [G](g)(2)<br>§63.1314(a)(10)<br>§63.1334(a), (a)(2)<br>[G]§63.1335(e)(3)(vii) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 6)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 4 | B1100 | 63JJJ-8 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2) §63.148(b)(1)(ii) §63.11(b)(4), (b)(6), (b)(7)(i) §63.11(b)(7)(iii), (b)(8) §63.120(e)(1), (e)(4), (e)(5) §63.1333(e)(1)-(3) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5) §63.148(i)(6) | §63.1310(g)(6) §63.1335(e)(5)(vi), (e)(6)(vii) [G]§63.122(g)(1) §63.148(j) [G]§63.120(e)(2) §63.122(c)(2), [G](g)(3) |
| 4 | B1100 | 63JJJ-1 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2) §63.148(b)(1)(ii) §63.120(d)(6), §63.120(d)(1), (d)(5) §63.1314(a)(9) §63.1334(a), [T](c ) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5); §63.148(i)(6) §63.120(d)(1)(i), (d)(1)(i)(A)§63.123(f)(1) §63.1314(a)(9), §63.120(d)(1)(i)(B) | §63.1310(g)(6) §63.1335(e)(5)(vi), (e)(6)(vii) [G]§63.122(g)(1) §63.148(j), §63.120(d)(1), (d)(2), (d)(2)(i)-(ii) §63.120(d)(3), (d)(3)(i), (d)(4) §63.122(b), (c)(1), [G](g)(2) §63.1314(a)(10) §63.1334(a), (a)(2) [G]§63.1335(e)(3)(vii) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 7)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 4 | B1100 | 63JJJ-2 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2) §63.148(b)(1)(ii) §63.11(b)(4), (b)(6), (b)(7)(i) §63.11(b)(7)(iii), (b)(8) §63.120(e)(1), (e)(4), (e)(5) §63.1333(e)(1)-(3) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5); §63.148(i)(6) | §63.1310(g)(6) §63.1335(e)(5)(vi), (e)(6)(vii) [G]§63.122(g)(1) §63.148(j) [G]§63.120(e)(2), (c)(2), [G](g)(3) |
| 5 | B1200 | R5112-10 | VOC | [G]§115.117 | §115.118(a)(1), (a)(5), (a)(7) | None |
| 5 | B1200 | 63JJJ-5 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2), §63.148(b)(1)(ii) §63.120(d)(6), §63.120(d)(1), (d)(5), §63.1314(a)(9) §63.1334(a), [T](c) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5), §63.148(i)(6) §63.120(d)(1)(i), (d)(1)(i)(A) §63.123(f)(1), §63.1314(a)(9), §63.120(d)(1)(i)(B) | [G]§63.122(g)(1) §63.148(j), §63.120(d)(1), (d)(2), (d)(2)(i)-(ii) §63.120(d)(3), (d)(3)(i), (d)(4) §63.122(b), (c)(1), [G](g)(2) §63.1314(a)(10) §63.1334(a), (a)(2) [G]§63.1335(e)(3)(vii) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 8)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 5 | B1200 | 63JJJ-6 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2), §63.148(b)(1)(ii), §63.11(b)(4), (b)(6), (b)(7)(i) §63.11(b)(7)(iii), (b)(8) §63.120(e)(1), (e)(4), (e)(5) §63.1333(e)(1)-(3) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5), §63.148(i)(6), | [G]§63.122(g)(1) §63.148(j), [G]§63.120(e)(2) §63.122(c)(2), [G](g)(3) |
| 6 | B1400 | R5112-8 | VOC | [G]§115.117 | §115.118(a)(1), (a)(5), (a)(7) | None |
| 7 | B1500 | R5112-8 | VOC | [G]§115.117 | §115.118(a)(1), (a)(5), (a)(7) | None |
| 8 | B1600 | R5112-8 | VOC | [G]§115.117 | §115.118(a)(1), (a)(5), (a)(7) | None |
| 9 | V1803 | R5112-6 | VOC | [G]§115.117 | §115.118(a)(1), (a)(5), (a)(7) | None |
| 9 | V1803 | 63JJJ-3 | 112(B) HAPS | None | §63.123(a) | §63.1310(g)(6) §63.1335(e)(5)(vi), (e)(6)(vii) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 9)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 10 | B2500 | 63JJJ-5 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2), §63.148(b)(1)(ii) §63.120(d)(6), §63.120(d)(1), (d)(5), §63.1314(a)(9) §63.1334(a), [T](c) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5), §63.148(i)(6) §63.120(d)(1)(i), (d)(1)(i)(A) §63.123(f)(1), §63.1314(a)(9), §63.120(d)(1)(i)(B) | [G]§63.122(g)(1) §63.148(j), §63.120(d)(1), (d)(2), (d)(2)(i)-(ii) §63.120(d)(3), (d)(3)(i), (d)(4) §63.122(b), (c)(1), [G](g)(2) §63.1314(a)(10) §63.1334(a), (a)(2) [G]§63.1335(e)(3)(vii) |
| 10 | B2500 | 63JJJ-6 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2), §63.148(b)(1)(ii), §63.11(b)(4), (b)(6), (b)(7)(i) §63.11(b)(7)(iii), (b)(8) §63.120(e)(1), (e)(4), (e)(5) §63.1333(e)(1)-(3) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5), §63.148(i)(6), | [G]§63.122(g)(1) §63.148(j), [G]§63.120(e)(2) §63.122(c)(2), [G](g)(3) |
| 10 | B2500 | R5121-8 | VOC | [G]§115.125 §115.126(2) §115.126(1), (1)(A) §115.126(1)(A)(i) | §115.126 §115.126(2) §115.126(1), (1)(A) §115.126(1)(A)(i) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 10)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 11 | B2504 | 63JJJ-5 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2), §63.148(b)(1)(ii) §63.120(d)(6), §63.120(d)(1), (d)(5), §63.1314(a)(9) §63.1334(a), [T](c) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5), §63.148(i)(6) §63.120(d)(1)(i), (d)(1)(i)(A) §63.123(f)(1), §63.1314(a)(9), §63.120(d)(1)(i)(B) | [G]§63.122(g)(1) §63.148(j), §63.120(d)(1), (d)(2), (d)(2)(i)-(ii) §63.120(d)(3), (d)(3)(i), (d)(4) §63.122(b), (c)(1), [G](g)(2) §63.1314(a)(10) §63.1334(a), (a)(2) [G]§63.1335(e)(3)(vii) |
| 11 | B2504 | 63JJ-6 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2), §63.148(b)(1)(ii), §63.11(b)(4), (b)(6), (b)(7)(i) §63.11(b)(7)(iii), (b)(8) §63.120(e)(1), (e)(4), (e)(5) §63.1333(e)(1)-(3) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5), §63.148(i)(6), | [G]§63.122(g)(1) §63.148(j), [G]§63.120(e)(2) §63.122(c)(2), [G](g)(3) |
| 11 | B2504 | R5121-8 | VOC | [G]§115.125 §115.126(2) §115.126(1), (1)(A) §115.126(1)(A)(i) | §115.126 §115.126(2) §115.126(1), (1)(A) §115.126(1)(A)(i) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 11)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 12 | B2508 | 63JJ-5 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2), §63.148(b)(1)(ii) §63.120(d)(6), §63.120(d)(1), (d)(5), §63.1314(a)(9) §63.1334(a), [T](c) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5), §63.148(i)(6) §63.120(d)(1)(i), (d)(1)(i)(A) §63.123(f)(1), §63.1314(a)(9), §63.120(d)(1)(i)(B) | [G]§63.122(g)(1) §63.148(j), §63.120(d)(1), (d)(2), (d)(2)(i)-(ii) §63.120(d)(3), (d)(3)(i), (d)(4) §63.122(b), (c)(1), [G](g)(2) §63.1314(a)(10) §63.1334(a), (a)(2) [G]§63.1335(e)(3)(vii) |
| 12 | B2508 | 63JJ-6 | 112(B) HAPS | [G]§63.148(c), (g), (g)(2) §63.148(h), (h)(2), §63.148(b)(1)(ii), §63.11(b)(4), (b)(6), (b)(7)(i) §63.11(b)(7)(iii), (b)(8) §63.120(e)(1), (e)(4), (e)(5) §63.1333(e)(1)-(3) | §63.123(a), [G](f)(2) §63.148(g)(2), (h)(2), (i)(1) §63.148(i)(2), [G](i)(4), (i)(5), §63.148(i)(6), | [G]§63.122(g)(1) §63.148(j), [G]§63.120(e)(2) §63.122(c)(2), [G](g)(3) |
| 12 | B2508 | R5121-8 | VOC | [G]§115.125 §115.126(2) §115.126(1), (1)(A) §115.126(1)(A)(i) | §115.126 §115.126(2) §115.126(1), (1)(A) §115.126(1)(A)(i) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 12)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 13 | DieselTK | R5112-8 | VOC | [G]§115.117 | §115.118(a)(1), (a)(5), (a)(7) | None |
| 14 | CT | 63JJJCT | 112(B) HAPS | [G]§63.104(b) | [G]§63.104(e)(2), [G](f)(1) [G]§63.104(b) | [G]§63.104(f)(2) |
| 15 | ASAFUG | R5352-ALL | VOC | ALL | ALL | ALL |
| 15 | ASAFUG | 63H-ALL | 112(B) HAPS | ALL | ALL | ALL |
| 15 | ASAFUG | 63JJJ-ALL | 112(B) HAPS | ALL | ALL | ALL |
| 16 | ASAFU10VOC | R5352-ALL | VOC | ALL | ALL | ALL |
| 16 | ASAFU10VOC | 63H-ALL | 112(B) HAPS | ALL | ALL | ALL |
| 16 | ASAFU10VOC | 63JJJ-ALL | 112(B) HAPS | ALL | ALL | ALL |
| 19 | V9840 | R5112-11 | VOC | [G]§115.117 | §115.118(a)(1), (a)(5), (a)(7) | None |
| 20 | B9834 | R5112-11 | VOC | [G]§115.117 | §115.118(a)(1), (a)(5), (a)(7) §115.118(a)(6)(A) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 13)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 25 | HOH | R7PHF-2 | NOx | [G]§117.335(a)(1), (a)(4), (b)<br>§117.335(d), (g)<br>§117.340(l)(2), (o)(1), (p)(1)<br>§117.335(e)<br>§117.340(p)(2)(A)-(C)<br>§117.8000(b)-(c), (c)(1), (c)(3)<br>§117.8000(c)(5)-(6), [G](d)<br>§117.340(a) | §117.345(a), (f), (f)(9)<br>§117.345(f)(1) | §117.335(b), (g)<br>[G]§117.345(b)-(c)<br>§117.8010, [G](1), (2), (2)(A)-(D)<br>[G]§117.8010(3), (4), [G](5)<br>§117.8010(6), [G](7)<br>§117.340(p)(2)(D) |
| 25 | HOH | R7PHF-2 | CO | [G]§117.335(a)(1), (a)(4), (b)<br>§117.335(d), (g)<br>§117.335(e)<br>§117.8000(b)-(c), (c)(2)<br>§117.8000(c)(3), (c)(5)-(6)<br>[G] §117.8000(d)<br>§117.340(a) | §117.345(a), (f), (f)(9)<br>§117.345(f)(1) | §117.335(b), (g)<br>[G]§117.345(b)-(c)<br>§117.8010, [G](1), (2), (2)(A)-(B)<br>[G]§117.8010(3), (4), [G](5)<br>§117.8010(6), [G](7) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 14)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 25 | HOH | 63DDDDD-4 | 112(B) HAPS | §63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c )<br>§63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c )<br>§63.7510(g) | §63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-(c )<br>§63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-© | [G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h)<br>[G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h) |
| 29 | C5644 | R5121-6 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |
| 30 | C5944 | R5121-6 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |
| 31 | C6244 | R5121-6 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 15)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 32 | R2000 | R5121-9 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |
| 32 | R2000 | 63JJJPV-2 | VOC | [T][G]§63.1323(h)<br>[T]§63.1325(c),<br>[T][G](c)(1)<br>[G]§63.1325(d)<br>§63.1334(b)(3),<br>[G](b)(3)(i)<br>§63.1334(b)(3)(ii), (c )<br>[T][G]§63.1325(c)(2)<br>§63.1324(a), (a)(1), (c),<br>(c)(1)<br>§63.1334(a), (d)<br>§63.1324(c)(1)(i)<br>§63.1335(d)(1), (d)(3),<br>(d)(3)(i) | §63.1326(b), (b)(1)<br>§63.1326(b)(2), (e)(5)<br>§63.1324(c)(1)<br>§63.1326(b)(4), (b)(4)(i),<br>(c), (e)(1), [G](e)(2)<br>§63.1335(d), (d)(2)<br>§63.1335(d)(6),<br>[G](d)(7), (d)(8) | §63.1327(a), (a)(1)<br>§63.1334(b)(3)(iii)<br>§63.1324(f)(2), (f)(3)<br>§63.1334(a), (a)(2)<br>§63.1335(e)(5)(ii)(D) |
| 33 | R2100 | R5121-9 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 16)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 33 | R2100 | 63JJJPV-2 | VOC | [T][G]§63.1323(h)<br>[T]§63.1325(c),<br>[T][G](c)(1)<br>[G]§63.1325(d)<br>§63.1334(b)(3),<br>[G](b)(3)(i)<br>§63.1334(b)(3)(ii), (c )<br>[T][G]§63.1325(c)(2)<br>§63.1324(a), (a)(1), (c),<br>(c)(1)<br>§63.1334(a), (d)<br>§63.1324(c)(1)(i)<br>§63.1335(d)(1), (d)(3),<br>(d)(3)(i) | §63.1326(b), (b)(1)<br>§63.1326(b)(2), (e)(5)<br>§63.1324(c)(1)<br>§63.1326(b)(4), (b)(4)(i),<br>(c), (e)(1), [G](e)(2)<br>§63.1335(d), (d)(2)<br>§63.1335(d)(6),<br>[G](d)(7), (d)(8) | §63.1327(a), (a)(1)<br>§63.1334(b)(3)(iii)<br>§63.1324(f)(2), (f)(3)<br>§63.1334(a), (a)(2)<br>§63.1335(e)(5)(ii)(D) |
| 34 | R2600 | R5121-9 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |
| 34 | R2600 | 63JJJPV-1 | 112(B)<br>HAPS | [G]§63.115(a), [G](b),<br>[G](c)<br>[G]§63.115(d), (e), (e)(1)<br>§63.1315(a)(14)(i)-(iv) | §63.117(b)<br>[G]§63.118(c ) | §63.115(e)(2)<br>[G]§63.118(g), [G](h)<br>[G]§63.1315(a)(10) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 17)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 35 | R2700 | R5121-9 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |
| 35 | R2700 | 63JJJPV-1 | 112(B)<br>HAPS | [G]§63.115(a), [G](b),<br>[G](c)<br>[G]§63.115(d), (e), (e)(1)<br>§63.1315(a)(14)(i)-(iv) | §63.117(b)<br>[G]§63.118(c ) | §63.115(e)(2)<br>[G]§63.118(g), [G](h)<br>[G]§63.1315(a)(10) |
| 36 | R2620 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |
| 36 | R2620 | 63JJJPV-1 | 112(B)<br>HAPS | [G]§63.115(a), [G](b),<br>[G](c)<br>[G]§63.115(d), (e), (e)(1)<br>§63.1315(a)(14)(i)-(iv) | §63.117(b)<br>[G]§63.118(c ) | §63.115(e)(2)<br>[G]§63.118(g), [G](h)<br>[G]§63.1315(a)(10) |
| 37 | R2720 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |
| 37 | R2720 | 63JJJPV-1 | 112(B)<br>HAPS | [G]§63.115(a), [G](b),<br>[G](c)<br>[G]§63.115(d), (e), (e)(1)<br>§63.1315(a)(14)(i)-(iv) | §63.117(b)<br>[G]§63.118(c ) | §63.115(e)(2)<br>[G]§63.118(g), [G](h)<br>[G]§63.1315(a)(10) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 18)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 38 | V8201 | R5121-6 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |
| 38 | V8201 | R5121-7 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1)<br>§115.126(1)(B) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(B) | None |
| 39 | E3042 | R5121-9 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 19)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 39 | E3042 | 63JJJPV-2 | 112(B) HAPS | §63.1325(f), (f)(4)<br>§63.114(a), (e)<br>[G]§63.115(a), [G](b)<br>§63.1315(a)(9)<br>[G]§63.116(c)<br>[G]§63.1315(a)(11), (a)(15)<br>§63.1334(c )<br>§63.1325(f)(4)(ii)<br>§63.1334(a), (b)(2), (d)<br>§63.114(a)(1)(i)<br>§63.1335(d)(1), (d)(3), (d)(3)(i)<br>§63.114(d)(1) | §63.118(a)(1), (a)(2), (f)(1)-(2)<br>§63.1315(a)(18)<br>§63.114(a)(1)<br>§63.117(a)(4), (a)(4)(i), (a)(4)(ii)<br>§63.1335(d), (d)(2)<br>§63.114(d)(1)<br>§63.118(a)(3) | §63.1323(j)(3)<br>§63.1327(d)<br>§63.114(e)<br>§63.117(e)<br>§63.118(f)(1), (f)(2), (f)(3)<br>§63.1315(a)(18)<br>§63.117(a)(4), (a)(4)(i), (a)(4)(ii)<br>§63.1334(a), (a)(2)<br>§63.1335(d)(6), [G](d)(7), (d)(8) |
| 39 | E3042 | 63JJJPV-3 | 112(B) HAPS | §63.1325(f), (f)(4)<br>§63.11(b)(4), (b)(6), (b)(7)(i)<br>§63.11(b)(7)(iii), (b)(8)<br>§63.114(a), (a)(2), (e)<br>[G]§63.115(a)<br>§63.116(a)<br>§63.1333(e)(1)-(3)<br>§63.1325(f)(4)(ii)<br>§63.114(d)(1) | [G]§63.117(a)(5)<br>§63.118(a)(1), (a)(2)<br>§63.114(d)(1)<br>§63.118(a)(3) | §63.1323(j)(3)<br>§63.1327(d)<br>§63.114(e)<br>§63.115(e)(2)<br>[G]§63.117(a)(5), (e), (f)<br>§63.118(f)(1), (f)(2), (f)(3), (f)(5) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 20)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 40 | E3404 | R5121-6 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |
| 40 | E3404 | R5121-7 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1)<br>§115.126(1)(B) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(B) | None |
| 40 | E3404 | 63JJJPV-2 | 112(B) HAPS | §63.1325(f), (f)(4)<br>§63.114(a), (e)<br>[G]§63.115(a), [G](b)<br>§63.1315(a)(9)<br>[G]§63.116(c)<br>[G]§63.1315(a)(11), (a)(15)<br>§63.1334(c )<br>§63.1325(f)(4)(ii)<br>§63.1334(a), (b)(2), (d)<br>§63.114(a)(1)(i)<br>§63.1335(d)(1), (d)(3), (d)(3)(i) | §63.118(a)(1), (a)(2), (f)(1)-(2)<br>§63.1315(a)(18)<br>§63.114(a)(1)<br>§63.117(a)(4), (a)(4)(i), (a)(4)(ii)<br>§63.1335(d), (d)(2) | §63.1323(j)(3)<br>§63.1327(d)<br>§63.114(e)<br>§63.117(e)<br>§63.118(f)(1), (f)(2), (f)(3)<br>§63.1315(a)(18)<br>§63.117(a)(4), (a)(4)(i), (a)(4)(ii)<br>§63.1334(a), (a)(2)<br>§63.1335(d)(6), [G](d)(7), (d)(8) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 21)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 40 | E3404 | 63JJJPV-3 | 112(B) HAPS | §63.1325(f), (f)(4)<br>§63.11(b)(4), (b)(6), (b)(7)(i)<br>§63.11(b)(7)(iii), (b)(8)<br>§63.114(a), (a)(2), (e)<br>[G]§63.115(a)<br>§63.116(a)<br>§63.1333(e)(1)-(3)<br>§63.1325(f)(4)(ii) | [G]§63.117(a)(5)<br>§63.118(a)(1), (a)(2)<br>§63.114(d)(1)<br>§63.118(a)(3) | §63.1323(j)(3)<br>§63.1327(d)<br>§63.114(e)<br>§63.115(e)(2)<br>[G]§63.117(a)(5), (e), (f)<br>§63.118(f)(1), (f)(2), (f)(3), (f)(5) |
| 41 | V1207 | R5121-9 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 42 | V9004 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 43 | V9820 | 63JJJWW-1 | 112(B) HAPS | None | None | §63.146(b)(2), (b)(5) |
| 43 | V9820 | 63JJJWW-1 | 112(B) HAPS | None | None | §63.146(b)(2), (b)(5) |
| 43 | V9820 | R5112-11 | VOC | [G]§115.117 | §115.118(a)(1), (a)(5), (a)(7) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 22)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 44 | C3711 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 45 | C3750 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 46 | C3811 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 47 | C5711 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 48 | C6011 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 49 | C6311 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 23)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 50 | C6250 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 52 | PK2800 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 53 | PK2900 | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(3)(B) | §115.126<br>§115.126(2)<br>§115.126(3)<br>§115.126(3)(B) | None |
| 54 | PROASA | R5160-1 | VOC | §115.164(1)-(2)<br>§115.166, (1), [G](2)<br>[T]§115.165(1), (2)<br>[G]§115.165(2)(A)-(B)<br>§115.166(1)(A), (1)(A)(i)<br>§115.166(3), (3)(A) | §115.166, (1), [G](2)<br>§115.166(1)(A), (1)(A)(i)<br>§115.166(3), (3)(A) | None |
| 55 | PROASAALL | R5121-8 | VOC | [G]§115.125<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | §115.126<br>§115.126(2)<br>§115.126(1), (1)(A)<br>§115.126(1)(A)(i) | None |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 24)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 55 | PROASAALL | 63JJJPRO2 | 112(B) HAPS | [T]§63.1333(a), [T][G](a)(1), [T](a)(5), (d) §63.1335(h)(1)(i), [G](h)(1)(ii) §63.1335(h)(1)(iii)-(iv), [G](h)(1)(v) | §63.1335(a), (a)(1), (a)(2) §63.1335(b), (b)(1), [G](b)(1)(i) §63.1335(h), (h)(1), (h)(1)(i), [G](h)(1)(ii) §63.1335(h)(1)(iii), [G](h)(1)(v), [G](h)(1)(vi) §63.1335(h)(2), (h)(2)(ii), (h)(2)(iii) | |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 25)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 55 | PROASAALL | 63JJJPRO2 | 112(B)<br>HAPS | [T]§63.1333(a), [T][G](a)(1), [T](a)(5), (d)<br>§63.1335(h)(1)(i), [G](h)(1)(ii)<br>§63.1335(h)(1)(iii)-(iv), [G](h)(1)(v) | §63.1335(a), (a)(1), (a)(2)<br>§63.1335(b), (b)(1), [G](b)(1)(i)<br>§63.1335(h), (h)(1), (h)(1)(i), [G](h)(1)(ii)<br>§63.1335(h)(1)(iii), [G](h)(1)(v), [G](h)(1)(vi)<br>§63.1335(h)(2), (h)(2)(ii), (h)(2)(iii) | §63.1310(f)(8), (f)(9), (h)(6)<br>[G]§63.1311(e)<br>§63.1333(a)(4)<br>§63.1335(a)(2), (b), (b)(1), (b)(1)(ii)<br>§63.1335(e), [G](e)(1)(iii), (e)(2), (e)(3)(i)-(ii)<br>[G]§63.1335(e)(3)(viii), [G](e)(3)(ix)<br>§63.1335(e)(5), [G](e)(5)(i), (e)(5)(ii)<br>§63.1335(e)(5)(ii)(A)-(C), (e)(5)(iv), (e)(5)(v)<br>§63.1335(e)(5)(vii), (e)(5)(ix), (e)(5)(xi)<br>§63.1335(e)(6), (e)(6)(i)-(iii), (e)(6)(iii)(A)-(B)<br>§63.1335(e)(6)(iii)(D)(2), [G](e)(6)(iii)(D)(3)<br>[G]§63.1335(e)(6)(v), (e)(6)(vi), (e)(6)(viii)-(ix)<br>§63.1335(e)(6)(x), [G](e)(6)(xii), (e)(7)<br>[G]§63.1335(e)(7)(iv), (e)(8), (e)(8)(ii)<br>§63.1335(h)(1), (h)(2)(i), (h)(2)(ii)<br>§63.1310(f)(8)(i) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 26)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 56 | PROSAN | 63JJJPRO2 | 112(B) HAPS | [T]§63.1333(a), [T][G](a)(1), [T](a)(5), (d) §63.1335(h)(1)(i), [G](h)(1)(ii) §63.1335(h)(1)(iii)-(iv), [G](h)(1)(v) | §63.1335(a), (a)(1), (a)(2) §63.1335(b), (b)(1), [G](b)(1)(i) §63.1335(h), (h)(1), (h)(1)(i), [G](h)(1)(ii) §63.1335(h)(1)(iii), [G](h)(1)(v), [G](h)(1)(vi) §63.1335(h)(2), (h)(2)(ii), (h)(2)(iii) | §63.1310(f)(8), (f)(9), (h)(6) [G]§63.1311(e) §63.1333(a)(4) §63.1335(a)(2), (b), (b)(1), (b)(1)(ii) §63.1335(e), [G](e)(1)(iii), (e)(2), (e)(3)(i)-(ii) [G]§63.1335(e)(3)(viii), [G](e)(3)(ix) §63.1335(e)(5), [G](e)(5)(i), (e)(5)(ii) §63.1335(e)(5)(ii)(A)-(C), (e)(5)(iv), (e)(5)(v) §63.1335(e)(5)(vii), (e)(5)(ix), (e)(5)(xi) §63.1335(e)(6), (e)(6)(i)-(iii), (e)(6)(iii)(A)-(B) §63.1335(e)(6)(iii)(D)(2), [G](e)(6)(iii)(D)(3) [G]§63.1335(e)(6)(v), (e)(6)(vi), (e)(6)(viii)-(ix) §63.1335(e)(6)(x), [G](e)(6)(xii), (e)(7) [G]§63.1335(e)(7)(iv), (e)(8), (e)(8)(ii) §63.1335(h)(1), (h)(2)(i), (h)(2)(ii) §63.1310(f)(8)(i) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 27)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 58 | HB-1301P | 63DDDDD-IB | 112(B)<br>HAPS | §63.7515(d)<br>§63.7525(a)(7)<br>§63.7540(a), [G](a)(10) | §63.7555(a), (a)(1)<br>§63.7560(a)-(c) | §63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)<br>§63.7550(a), [G](b)-(c), [G](h) |
| 59 | HB-301A | 63DDDDD-IB | 112(B)<br>HAPS | §63.7515(d)<br>§63.7525(a)(7)<br>§63.7540(a), [G](a)(10) | §63.7555(a), (a)(1)<br>§63.7560(a)-(c) | §63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)<br>§63.7550(a), [G](b)-(c), [G](h) |
| 60 | HB-301B | 63DDDDD-IB | 112(B)<br>HAPS | §63.7515(d)<br>§63.7525(a)(7)<br>§63.7540(a), [G](a)(10) | §63.7555(a), (a)(1)<br>§63.7560(a)-(c) | §63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)<br>§63.7550(a), [G](b)-(c), [G](h) |
| 61 | HB-301S | 63DDDDD-IB | 112(B)<br>HAPS | §63.7515(d)<br>§63.7525(a)(7)<br>§63.7540(a), [G](a)(10) | §63.7555(a), (a)(1)<br>§63.7560(a)-(c) | §63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)<br>§63.7550(a), [G](b)-(c), [G](h) |
| 62 | HS-102 | 63DDDDD-1 | 112(B)<br>HAPS | §63.7510(g)<br>§63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c) | §63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-(c) | [G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7540(b)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 28)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 63 | HS-103 | 63DDDDD-2 | 112(B) HAPS | §63.7515(d) [G]§63.7521(f)-(g), (h)-(i) §63.7530(g) §63.7540(a), [G](a)(10), [G](c) | §63.7555(a), (a)(1)-(2), (g)-(h) §63.7560(a)-(c) | [G]§63.7521(g) §63.7530(e), (f) §63.7545(a)-(c), [G](e)-(f) §63.7550(a), [G](b)-(c), [G](h) |
| 64 | HS-104 | 63DDDDD-2 | 112(B) HAPS | §63.7515(d) [G]§63.7521(f)-(g), (h)-(i) §63.7530(g) §63.7540(a), [G](a)(10), [G](c) | §63.7555(a), (a)(1)-(2), (g)-(h) §63.7560(a)-(c) | [G]§63.7521(g) §63.7530(e), (f) §63.7545(a)-(c), [G](e)-(f) §63.7550(a), [G](b)-(c), [G](h) |
| 65 | HS-201/219 | 63DDDDD-2 | 112(B) HAPS | §63.7515(d) [G]§63.7521(f)-(g), (h)-(i) §63.7530(g) §63.7540(a), [G](a)(10), [G](c) | §63.7555(a), (a)(1)-(2), (g)-(h) §63.7560(a)-(c) | [G]§63.7521(g) §63.7530(e), (f) §63.7545(a)-(c), [G](e)-(f) §63.7550(a), [G](b)-(c), [G](h) |
| 66 | HS-220 | 63DDDDD-2 | 112(B) HAPS | §63.7515(d) [G]§63.7521(f)-(g), (h)-(i) §63.7530(g) §63.7540(a), [G](a)(10), [G](c) | §63.7555(a), (a)(1)-(2), (g)-(h) §63.7560(a)-(c) | [G]§63.7521(g) §63.7530(e), (f) §63.7545(a)-(c), [G](e)-(f) §63.7550(a), [G](b)-(c), [G](h) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 29)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 66 | HS-220 | 63DDDDD-3 | HCL | §63.7505(c)-(d)<br>§63.7510(e), (h)-(k)<br>§63.7515(g)<br>§63.7530(a), (b)<br>§63.7535(a)-(d)<br>§63.7540(a), (a)(1), [G](a)(3)<br>§63.7540(a)(4), [G](a)(10)<br>§63.7510(b)<br>§63.7515(e)<br>§63.7521(a), [G](b)-(d), (e)<br>[G]§63.7530(b)(1), [G](c) | §63.7535(a)-(d)<br>[G]§63.7540(a)(2)<br>§63.7555(a), (a)(1)-(2), (c), [G](d)<br>§63.7560(a)-(c) | §63.7515(f)<br>§63.7530(e)-(f)<br>§63.7540(b), (d)<br>§63.7545(a)-(d), [G](e), [G](h)<br>§63.7550(a), [G](b)-(c), [G](h)<br>[G]§63.7550(d) |
| 66 | HS-220 | 63DDDDD-3 | HG | §63.7505(c)-(d)<br>§63.7510(e), (h)-(k)<br>§63.7515(g)<br>§63.7530(a), (b)<br>§63.7535(a)-(d)<br>§63.7540(a), (a)(1)<br>[G]§63.7540(a)(10)<br>§63.7510(b)<br>§63.7515(e)<br>§63.7521(a)<br>[G]§63.7521(b)-(d), (e)<br>[G]§63.7530(b)(2), [G](c)<br>§63.7540(a)(5) | §63.7535(a)-(d)<br>[G]§63.7540(a)(2)<br>§63.7555(a), (a)(1)-(2), (c), [G](d)<br>§63.7560(a)-(c) | §63.7515(f)<br>§63.7530(e)-(f)<br>§63.7540(b), (d)<br>§63.7545(a)-(d), [G](e), [G](h)<br>§63.7550(a), [G](b)-(c), [G](h)<br>[G]§63.7550(d) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 30)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 66 | HS-220 | 63DDDDD-3 | CO | §63.7505(c)-(d)<br>§63.7510(e), (h)-(k)<br>§63.7515(g)<br>§63.7525(a), (a)(1), [G](a)(2), (a)(3)<br>§63.7530(a)-(b)<br>§63.7535(a)-(d)<br>§63.7540(a), (a)(1), [G](a)(10)<br>[G]§63.7505(d)(1)-(2), (d)(3)-(4) | §63.7535(a)-(d)<br>§63.7555(a), (a)(1)-(2), (c), [G](d)<br>§63.7560(a)- (c) | §63.7515(f)<br>§63.7530(e)-(f)<br>§63.7540(b), (d)<br>§63.7545(a)-(d), [G](e), [G](h)<br>§63.7550(a), [G](b)-(c), [G](h)<br>[G]§63.7550(e) |
| 66 | HS-220 | 63DDDDD-3 | PM | §63.7505(c)-(d)<br>§63.7510(e), (h)-(k)<br>§63.7515(g)<br>§63.7521(a)<br>§63.7530(a)-(b), [G](b)(3)<br>§63.7535(a)-(d)<br>§63.7540(a), (a)(1)<br>[G]§63.7540(a)(10)<br>§63.7510(b)<br>§63.7515(e)<br>§63.7521(a)<br>[G]§63.7521(b)-(d), (e)<br>[G]§63.7540(a)(17) | §63.7535(a)-(d)<br>[G]§63.7540(a)(2)<br>§63.7555(a), (a)(1)-(2), (c), [G](d)<br>§63.7560(a)-(c ) | 63.7530(e)-(f)<br>§63.7540(b), (d)<br>§63.7545(a)-(d), [G](e), [G](h)<br>§63.7550(a), [G](b)-(c), [G](h)<br>[G]§63.7550(d)<br>[G]§63.7515(f) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 31)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 67 | HS-601 | 63DDDDD-2 | 112(B) HAPS | §63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c ) | §63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-(c) | [G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h) |
| 68 | MT-312 | 63G110-2 | VOC | §63.120(a)(2)(i)<br>§63.120(a)(2)(ii) | §63.120(a)(4)<br>§63.123(a), (c), (g)<br>[G]§63.152(a) | §63.120(a)(5), (a)(6)<br>§63.122(d), (d)(1)(ii)<br>§63.122(d)(1)(iii), (d)(2)(ii)<br>§63.151(a)(7), [G](b), [G](j)<br>[G]§63.152(a), (b), [G](b)(1)<br>§63.152(b)(4), (c)(1)<br>§63.152(c)(2), (c)(4)(ii) |

**Applicable Requirements Summary**
**Federal Operating Permit Program**
**Form OP-REQ3 (Page 32)**
**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 69 | MT-306 | 63G110-1 | VOC | [G]§63.172(f)(1), [G](f)(2), (g), [G](h) [G]§63.172(k), [G](l) [G]§63.180(b), [G](d) §63.120(d)(1), (d)(5) | §63.123(a), [G](f)(2) [G]§63.152(a) [G]§63.172(k), [G](l) §63.181(a), [G](b), (c), [G](d), (g) §63.181(g)(1)(i)-(ii), [G](g)(2), [G](g)(3) §63.120(d)(1)(i), (d)(1)(i)(A) §63.123(f)(1) §63.120(d)(1)(i)(B) | [G]§63.122(g)(1) §63.151(a)(7), [G](b), [G](j) [G]§63.152(a), (b), [G](b)(1) §63.152(b)(4), (c)(1), (c)(2) §63.152(c)(2)(i), [G](c)(2)(ii) §63.152(c)(2)(iii), (c)(3), (c)(3)(i) §63.152(c)(4)(ii), [G](c)(6). [G]§63.182(a), [G](b), (c) [G]§63.182(c)(1), (c)(4), [G](d) §63.120(d)(1) §63.120(d)(2), (d)(2)(i) §63.120(d)(2)(ii) §63.120(d)(3), (d)(3)(i) §63.120(d)(4) §63.122(b) §63.122(c)(1) [G]§63.122(g)(2) §63.120(d)(1)(i)(B) |
| 70 | MS-213 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 71 | MT-318 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 72 | MT-307 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |

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**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 73 | MT-302 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 74 | MT-308 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 75 | MT-310 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 76 | MT-311 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 77 | MT-315 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 78 | MT-316 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 79 | MT-317 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 80 | MT-322 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 81 | MT-355 | 63G110-3 | VOC | | §63.123(a) | §63.152(c)(4)(iii) |
| 82 | PROEBSM | 63FPRO | VOC | [T]§63.103(b)(1), [T](b)(3), [T](b)(4) [T][G]§63.103(b)(5), [T](b)(6) [G]§63.104(b) | [G]§63.103(c) [G]§63.105(b), (c), (e) [G]§63.104(e)(2), [G](f)(1) | §63.103(b)(2), [G](b)(5), [G](d) [G]§63.104(f)(2) |

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**Table 1b: Additions**

| Date:2/1/2023 | Regulated Entity No.: RN10542224 | Permit No.: O1625 |
|---|---|---|
| Company Name: INEOS Styrolution America LLC | Area Name: Bayport Site | |

| Revision No. | Unit / Group / Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|---|---|---|---|---|---|---|
| 83 | 115 | 63ZZZZ-3 | Exempt | §63.6625(f)<br>§63.6625(i)<br>§63.6640(a)<br>§63.6640(a)-Table 6.9.a.i-ii | §63.6625(i)<br>§63.6655(f)<br>§63.6660(a)-(c) | §63.6640(e)<br>§63.6650(f) |
| 84 | 802A | 63ZZZZ-3 | Exempt | §63.6625(f)<br>§63.6625(i)<br>§63.6640(a)<br>§63.6640(a)-Table 6.9.a.i-ii | §63.6625(i)<br>§63.6655(f)<br>§63.6660(a)-(c) | §63.6640(e)<br>§63.6650(f) |
| 85 | 802B | 63ZZZZ-3 | Exempt | §63.6625(f)<br>§63.6625(i)<br>§63.6640(a)<br>§63.6640(a)-Table 6.9.a.i-ii | §63.6625(i)<br>§63.6655(f)<br>§63.6660(a)-(c) | §63.6640(e)<br>§63.6650(f) |
| 86 | 802S | 63ZZZZ-3 | Exempt | §63.6625(f)<br>§63.6625(i)<br>§63.6640(a)<br>§63.6640(a)-Table 6.9.a.i-ii | §63.6625(i)<br>§63.6655(f)<br>§63.6660(a)-(c) | §63.6640(e)<br>§63.6650(f) |

**Texas Commission on Environmental Quality**
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*For SOP applications, answer ALL questions unless otherwise directed.*
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***Form OP-REQ1: Page 1***

**I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter**

**A. Visible Emissions**

| | | | |
|---|---|---|---|
| ♦ | 1. | The application area includes stationary vents constructed on or before January 31, 1972. | ☐YES ☒NO |
| ♦ | 2. | The application area includes stationary vents constructed after January 31, 1972.<br>*If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.*<br>*If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.* | ☒YES ☐NO |
| ♦ | 3. | The application area is opting to comply with the requirements for stationary vents constructed after January 31, 1972 for vents in the application area constructed on or before January 31, 1972. | ☐YES ☐NO |
| ♦ | 4. | All stationary vents are addressed on a unit specific basis. | ☐YES ☒NO |
| ♦ | 5. | Test Method 9 (40 CFR Part 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources) is used to determine opacity of emissions in the application area. | ☒YES ☐NO |
| ♦ | 6. | The application area includes structures subject to 30 TAC § 111.111(a)(7)(A). | ☐YES ☒NO |
| ♦ | 7. | The application area includes sources, other than those specified in 30 TAC § 111.111(a)(1), (4), or (7), subject to 30 TAC § 111.111(a)(8)(A). | ☐YES ☒NO |
| ♦ | 8. | Emissions from units in the application area include contributions from uncombined water. | ☐YES ☒NO |
| ♦ | 9. | The application area is located in the City of El Paso, including Fort Bliss Military Reservation, and includes solid fuel heating devices subject to 30 TAC § 111.111(c). | ☐YES ☐NO ☒N/A |

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| ***Form OP-REQ1: Page 2*** | | | | |
| **I.** | **Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)** | | | |
| | **B.** | **Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots** | | |
| | 1. | Items a - d determines applicability of any of these requirements based on geographical location. | | |
| ♦ | | a. | The application area is located within the City of El Paso. | ☐YES ☒NO |
| ♦ | | b. | The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141. | ☐YES ☒NO |
| ♦ | | c. | The application area is located in the portion of Harris County inside the loop formed by Beltway 8. | ☐YES ☒NO |
| ♦ | | d. | The application area is located in the area of Nueces County outlined in Group II state implementation plan (SIP) for inhalable particulate matter adopted by the TCEQ on May 13, 1988. | ☐YES ☒NO |
| | | *If there is any "YES" response to Questions I.B.1.a - d, answers Questions I.B.2.a - d. If all responses to Questions I.B.1.a-d are "NO," go to Section I.C.* | | |
| | 2. | Items a - d determine the specific applicability of these requirements. | | |
| ♦ | | a. | The application area is subject to 30 TAC § 111.143. | ☐YES ☐NO |
| ♦ | | b. | The application area is subject to 30 TAC § 111.145. | ☐YES ☐NO |
| ♦ | | c. | The application area is subject to 30 TAC § 111.147. | ☐YES ☐NO |
| ♦ | | d. | The application area is subject to 30 TAC § 111.149. | ☐YES ☐NO |
| | **C.** | **Emissions Limits on Nonagricultural Processes** | | |
| ♦ | 1. | The application area includes a nonagricultural process subject to 30 TAC § 111.151. | | ☒YES ☐NO |
| | 2. | The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements.<br>*If the response to Question I.C.2 is "NO," go to Question I.C.4.* | | ☐YES ☒NO |
| | 3. | All vents from nonagricultural process in the application area are subject to additional monitoring requirements. | | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 3*** | | | |
| **I.** | **Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)** | | |
| | **C.** | **Emissions Limits on Nonagricultural Processes (continued)** | |
| | 4. | The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c). | ☐YES ☒NO |
| | 5. | The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements.<br>*If the response to Question I.C.5 is "NO," go to Question I.C.7.* | ☐YES ☒NO |
| | 6. | All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements. | ☐YES ☐NO |
| | 7. | The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b). | ☐YES ☒NO |
| | 8. | The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements.<br>*If the response to Question I.C.8 is "NO," go to Section I.D.* | ☐YES ☒NO |
| | 9. | All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements. | ☐YES ☐NO |
| | **D.** | **Emissions Limits on Agricultural Processes** | |
| | 1. | The application area includes agricultural processes subject to 30 TAC § 111.171. | ☐YES ☒NO |
| | **E.** | **Outdoor Burning** | |
| ♦ | 1. | Outdoor burning is conducted in the application area.<br>*If the response to Question I.E.1 is "NO," go to Section II.* | ☒YES ☐NO |
| ♦ | 2. | Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205. | ☒YES ☐NO |
| ♦ | 3. | Fires for recreation, ceremony, cooking, and warmth are used in the application area and subject to the exception provided in 30 TAC § 111.207. | ☒YES ☐NO |
| ♦ | 4. | Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209. | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 4*** | | | |
| **I.** | **Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)** | | |
| | **E.** | **Outdoor Burning (continued)** | |
| ♦ | 5. | Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211. | ☐YES ☒NO |
| ♦ | 6. | Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213. | ☐YES ☒NO |
| ♦ | 7. | The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215. | ☐YES ☒NO |
| **II.** | **Title 30 TAC Chapter 112 - Control of Air Pollution from Sulfur Compounds** | | |
| | **A.** | **Temporary Fuel Shortage Plan Requirements** | |
| | 1. | The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18. | ☐YES ☒NO |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area is located in the Houston/Galveston/Brazoria area, Beaumont/Port Arthur area, Dallas/Fort Worth area, El Paso area, or a covered attainment county as defined by 30 TAC § 115.10.<br>*See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.* | ☒YES ☐NO |
| | **B.** | **Storage of Volatile Organic Compounds** | |
| ♦ | 1. | The application area includes storage tanks, reservoirs, or other containers capable of maintaining working pressure sufficient at all times to prevent any VOC vapor or gas loss to the atmosphere. | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 5*** | | | |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **C.** | **Industrial Wastewater** | |
| | 1. | The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140.<br>*If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.* | ☒YES ☐NO ☐N/A |
| | 2. | The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area.<br>*If the response to Question III.C.2 is "YES" and the refinery is in the Beaumont/Port Arthur area, go to Section III.D.* | ☐YES ☒NO |
| | 3. | The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater).<br>*If the response to Question III.C.3 is "YES," go to Section III.D.* | ☒YES ☐NO |
| | 4. | The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons).<br>*If the response to Question III.C.4 is "YES," go to Section III.D.* | ☐YES ☐NO |
| | 5. | The application area includes wastewater drains, junction boxes, lift stations, or weirs that are subject to the control requirements of 30 TAC § 115.142(1). | ☐YES ☐NO |
| | 6. | The application area includes wastewater drains, junction boxes, lift stations, or weirs that handle streams chosen for exemption under 30 TAC § 115.147(2). | ☐YES ☐NO |
| | 7. | The application area includes wastewater drains, junction boxes, lift stations, or weirs that have an executive director approved exemption under 30 TAC § 115.147(4). | ☐YES ☐NO |
| | **D.** | **Loading and Unloading of VOCs** | |
| ♦ | 1. | The application area includes VOC loading operations. | ☒YES ☐NO |
| ♦ | 2. | The application area includes VOC transport vessel unloading operations.<br>*For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.* | ☒YES ☐NO |

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| ***Form OP-REQ1: Page 6*** | | | |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **D.** | **Loading and Unloading of VOCs (continued)** | |
| ♦ | 3. | Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area. | ☐YES ☒NO |
| | **E.** | **Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities** | |
| ♦ | 1. | The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container.<br>*If the response to Question III.E.1 is "NO," go to Section III.F.* | ☐YES ☒NO |
| ♦ | 2. | Transfers to stationary storage containers used exclusively for the fueling of agricultural implements are the only transfer operations conducted at facilities in the application area. | ☐YES ☐NO |
| ♦ | 3. | All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent.<br>*If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.* | ☐YES ☐NO |
| ♦ | 4. | The application area is located in a covered attainment county as defined in 30 TAC § 115.10.<br>*If the response to Question III.E.4 is "NO," go to Question III.E.9.* | ☐YES ☐NO |
| ♦ | 5. | Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility. | ☐YES ☐NO |
| ♦ | 6. | Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility. | ☐YES ☐NO |
| ♦ | 7. | At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014.<br>*If the response to Question III.E.7 is "YES," go to Section III.F.* | ☐YES ☐NO |

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|---|---|
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| ***Form OP-REQ1: Page 7*** | | | |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **E.** | **Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)** | |
| ♦ | 8. | At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. *If the response to Question III.E.8 is "YES," go to Section III.F.* | ☐YES ☐NO |
| ♦ | 9. | Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992. | ☐YES ☐NO |
| ♦ | 10. | Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992. | ☐YES ☐NO |
| ♦ | 11. | Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which commenced construction on or after November 15, 1992. | ☐YES ☐NO |
| ♦ | 12. | At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005. | ☐YES ☐NO |
| | **F.** | **Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)** | |
| ♦ | 1. | Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area. | ☐YES ☒NO ☐N/A |

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| ***Form OP-REQ1: Page 8*** | | | |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **F.** | **Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)** | |
| ♦ | 2. | Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area. | ☐YES ☐NO ☐N/A |
| ♦ | 3. | Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area. | ☐YES ☐NO ☐N/A |
| | **G.** | **Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities** | |
| ♦ | 1. | The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks.<br>*If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.* | ☐YES ☒NO ☐N/A |
| ♦ | 2. | The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012. | ☐YES ☐NO |
| ♦ | 3. | The application area includes facilities that began construction prior to November 15, 1992.<br>*If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.* | ☐YES ☐NO |
| ♦ | 4. | The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline. | ☐YES ☐NO |
| ♦ | 5. | The decommissioning of all Stage II vapor recovery control equipment located in the application area has been completed and the decommissioning notice submitted. | ☐YES ☐NO ☐N/A |

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| ***Form OP-REQ1: Page 9*** | | | |
| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **H.** | **Control Of Reid Vapor Pressure (RVP) of Gasoline** | |
| ♦ | 1. | The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County.<br>*If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.* | ☐YES ☐NO ☒N/A |
| ♦ | 2. | The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements. | ☐YES ☐NO |
| ♦ | 3. | The application area includes a motor vehicle fuel dispensing facility. | ☐YES ☐NO |
| ♦ | 4. | The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less. | ☐YES ☐NO |
| | **I.** | **Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries** | |
| | 1. | The application area is located at a petroleum refinery. | ☐YES ☒NO |
| | **J.** | **Surface Coating Processes (Complete this section for GOP applications only.)** | |
| ♦ | 1. | Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area. | ☐YES ☐NO ☐N/A |

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| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **K.** | **Cutback Asphalt** | |
| | 1. | Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency.<br>*If the response to Question III.K.1 is "N/A," go to Section III.L.* | ☐YES ☐NO ☒N/A |
| | 2. | The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area. | ☐YES ☐NO ☐N/A |
| | 3. | Asphalt emulsion is used or produced within the application area. | ☐YES ☐NO |
| | 4. | The application area is using an alternate control requirement as specified in 30 TAC § 115.513.<br>*If the response to Question III.K.4 is "NO," go to Section III.L.* | ☐YES ☐NO |
| | 5. | The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1). | ☐YES ☐NO |
| | 6. | The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat. | ☐YES ☐NO |
| | 7. | The applicant using cutback asphalt is a state, municipal, or county agency. | ☐YES ☐NO |
| | **L.** | **Degassing of Storage Tanks, Transport Vessels and Marine Vessels** | |
| ♦ | 1. | The application area includes degassing operations for stationary, marine, and/or transport vessels.<br>*If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.* | ☒YES ☐NO ☐N/A |
| ♦ | 2. | Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area.<br>*If the response to Question III.L.2 is "YES," go to Section III.M.* | ☐YES ☐NO ☒N/A |

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| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| | **L.** | **Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)** | |
| ♦ | 3. | Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area. | ☒YES ☐NO ☐N/A |
| ♦ | 4. | Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area. | ☐YES ☒NO ☐N/A |
| ♦ | 5. | Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area. | ☐YES ☒NO |
| ♦ | 6. | Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area. | ☐YES ☒NO ☐N/A |
| ♦ | 7. | Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure ≥ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area. | ☐YES ☒NO ☐N/A |
| | **M.** | **Petroleum Dry Cleaning Systems** | |
| | 1. | The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents. | ☐YES ☒NO ☐N/A |

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| **III.** | **Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)** | | |
| **N.** | **Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC)** | | |
| 1. | The application area includes one or more vent gas streams containing HRVOC. | ☒YES ☐NO ☐N/A | |
| 2. | The application area includes one or more flares that emit or have the potential to emit HRVOC.<br>*If the responses to Questions III.N.1 and III.N.2 are both "NO" or "N/A," go to Section III.O. If the response to Question III.N.1 is "YES," continue with Question III.N.3.* | ☒YES ☐NO ☐N/A | |
| 3. | All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times. | ☐YES ☒NO | |
| 4. | All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times.<br>*If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.* | ☐YES ☒NO | |
| 5. | The application area contains pressure relief valves that are not controlled by a flare. | ☐YES ☐NO | |
| 6. | The application area has at least one vent stream which has no potential to emit HRVOC. | ☐YES ☐NO | |
| 7. | The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H). | ☐YES ☐NO | |
| **O.** | **Cooling Tower Heat Exchange Systems (HRVOC)** | | |
| 1. | The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC. | ☒YES ☐NO ☐N/A | |

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| **IV.** | **Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area.<br>*For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.*<br>*For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F.*<br>*For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.*<br>*For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.* | ☒YES ☐NO |
| | 2. | The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln.<br>*If the response to Question IV.A.2 is "YES," go to Question IV.H.1.* | ☐YES ☐NO |
| | 3. | The application area includes a utility electric generator in an east or central Texas county.<br>*See instructions for a list of counties included.*<br>*If the response to Question IV.A.3 is "YES," go to Question IV.G.1.*<br>*If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.* | ☐YES ☐NO |
| | **B.** | **Utility Electric Generation in Ozone Nonattainment Areas** | |
| | 1. | The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300.<br>*If the response to Question IV.B.1 is "NO," go to Question IV.C.1.* | ☐YES ☒NO |
| | 2. | The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220. | ☐YES ☐NO |

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| **IV.** | **Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)** | | |
| | **C.** | **Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas** | |
| ♦ | 1. | The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400.<br>*For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.* | ☒YES ☐NO |
| ♦ | 2. | The application area is located at a site that was a major source of $NO_X$ before November 15, 1992. | ☒YES ☐NO ☐N/A |
| ♦ | 3. | The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320. | ☐YES ☒NO |
| | **D.** | **Adipic Acid Manufacturing** | |
| | 1. | The application area is located at, or part of, an adipic acid production unit. | ☐YES ☒NO ☐N/A |
| | **E.** | **Nitric Acid Manufacturing - Ozone Nonattainment Areas** | |
| | 1. | The application area is located at, or part of, a nitric acid production unit. | ☐YES ☒NO ☐N/A |
| | **F.** | **Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines** | |
| ♦ | 1. | The application area is located at a site that is a minor source of $NO_X$ in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County).<br>*For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.* | ☐YES ☒NO |
| ♦ | 2. | The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a). | ☐YES ☐NO |
| ♦ | 3. | The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b). | ☐YES ☐NO |

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| **IV.** | **Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)** | | |
| | **F.** | **Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)** | |
| ♦ | 4. | The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103. | ☐YES ☐NO |
| ♦ | 5. | The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110. | ☐YES ☐NO |
| | 6. | The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125.<br>*If the response to Question IV.F.6 is "NO," go to Section IV.G.* | ☐YES ☐NO |
| | 7. | An ACSS for carbon monoxide (CO) has been approved? | ☐YES ☐NO |
| | 8. | An ACSS for ammonia ($NH_3$) has been approved? | ☐YES ☐NO |
| | 9. | Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below. | |
| | **G.** | **Utility Electric Generation in East and Central Texas** | |
| | 1. | The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995.<br>*If the response to Question IV.G.1 is "NO," go to Question IV.H.1.* | ☐YES ☒NO |
| | 2. | The application area is complying with the System Cap in 30 TAC § 117.3020. | ☐YES ☐NO |
| | **H.** | **Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters** | |
| | 1. | The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less.<br>*If the response to question IV.H.1 is "NO," go to Section V.* | ☐YES ☒NO |
| | 2. | All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203. | ☐YES ☐NO |

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| **V.** | **Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products** | |
| | **A. Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings** | |
| | 1. The application area manufactures automobile refinish coatings or coating components and sells or distributes these coatings or coating components in the United States. | ☐YES ☒NO |
| | 2. The application area imports automobile refinish coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States.<br>*If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.* | ☐YES ☒NO |
| | 3. All automobile refinish coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6). | ☐YES ☐NO |
| | **B. Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products** | |
| | 1. The application area manufactures consumer products for sale or distribution in the United States. | ☐YES ☒NO |
| | 2. The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States. | ☐YES ☒NO |
| | 3. The application area is a distributor of consumer products whose name appears on the label of one or more of the products.<br>*If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.* | ☐YES ☒NO |
| | 4. All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7). | ☐YES ☐NO |

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| **V.** | **Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)** | | |
| | **C.** | **Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings** | |
| | 1. | The application area manufactures or imports architectural coatings for sale or distribution in the United States. | ☐YES ☒NO |
| | 2. | The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act.<br>*If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.* | ☐YES ☒NO |
| | 3. | All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5). | ☐YES ☐NO |
| | **D.** | **Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings** | |
| | 1. | The application area manufactures or imports aerosol coating products for sale or distribution in the United States. | ☐YES ☒NO |
| | 2. | The application area is a distributor of aerosol coatings for resale or distribution in the United States. | ☐YES ☒NO |
| | **E.** | **Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers** | |
| | 1. | The application area manufactures or imports portable fuel containers for sale or distribution in the United States.<br>*If the response to Question V.E.1 is "NO," go to Section VI.* | ☐YES ☒NO |
| | 2. | All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c). | ☐YES ☐NO |
| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts.<br>*If the response to Question VI.A.1 is "NO," go to Section VII.* | ☒YES ☐NO |

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| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **B.** | **Subpart Y - Standards of Performance for Coal Preparation and Processing Plants** | |
| | 1. | The application area is located at a coal preparation and processing plant.<br>*If the response to Question VI.B.1 is "NO," go to Section VI.C.* | ☐YES ☒NO |
| | 2. | The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd).<br>*If the response to Question VI.B.2 is "NO," go to Section VI.C.* | ☐YES ☐NO |
| | 3. | The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option.<br>*If the response to Question VI.B.3 is "YES," go to Section VI.C.* | ☐YES ☐NO |
| | 4. | The plant contains an open storage pile, as defined in § 60.251, as an affected facility.<br>*If the response to Question VI.B.4 is "NO," go to Section VI.C.* | ☐YES ☐NO |
| | 5. | The open storage pile was constructed, reconstructed or modified after May 27, 2009. | ☐YES ☐NO |
| | **C.** | **Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)** | |
| ♦ | 1. | The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired.<br>*If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.* | ☐YES ☐NO ☒N/A |
| ♦ | 2. | One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005.<br>*If the response to Question VI.C.2 is "NO," go to Section VI.D.* | ☐YES ☐NO |
| ♦ | 3. | One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4). | ☐YES ☐NO |
| ♦ | 4. | The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area. | ☐YES ☐NO |

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| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **C.** | **Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)** | |
| ♦ | 5. | One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides. | ☐YES ☐NO |
| | **D.** | **Subpart XX - Standards of Performance for Bulk Gasoline Terminals** | |
| | 1. | The application area includes bulk gasoline terminal loading racks.<br>*If the response to Question VI.D.1 is "NO," go to Section VI.E.* | ☐YES ☒NO<br>☐N/A |
| | 2. | One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC. | ☐YES ☐NO |
| | **E.** | **Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide ($SO_2$) Emissions** | |
| ♦ | 1. | The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore).<br>*For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.* | ☐YES ☒NO |
| ♦ | 2. | The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011.<br>*For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.* | ☐YES ☐NO |
| ♦ | 3. | The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD.<br>*For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.* | ☐YES ☐NO |

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| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **E.** | **Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide ($SO_2$) Emissions (continued)** | |
| ♦ | 4. | Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD.<br>*For SOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.H.* | ☐YES ☐NO |
| ♦ | 5. | Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below. | |
| | **F.** | **Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants** | |
| | 1. | The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant.<br>*If the response to Question VI.F.1 is "NO," go to Section VI.G.* | ☐YES ☒NO |
| | 2. | Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO. | ☐YES ☐NO |
| | **G.** | **Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems** | |
| | 1. | The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987.<br>*If the response to Question VI.G.1 is "NO," go to Section VI.H.* | ☐YES ☒NO |
| | 2. | The application area includes storm water sewer systems. | ☐YES ☐NO |

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| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **G.** | **Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (continued)** | |
| | 3. | The application area includes ancillary equipment which is physically separate from the wastewater system and does not come in contact with or store oily wastewater. | ☐YES ☐NO |
| | 4. | The application area includes non-contact cooling water systems. | ☐YES ☐NO |
| | 5. | The application area includes individual drain systems.<br>*If the response to Question VI.G.5 is "NO," go to Section VI.H.* | ☐YES ☐NO |
| | 6. | The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d). | ☐YES ☐NO |
| | 7. | The application area includes completely closed drain systems. | ☐YES ☐NO |
| | **H.** | **Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004** | |
| ♦ | 1. | The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator.<br>*If the response to Question VI.H.1. is "N/A," go to Section VI.I. If the response to Question VI.H.1 is "NO," go to Question VI.H.4.* | ☐YES ☒NO ☐N/A |
| ♦ | 2. | The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. | ☐YES ☐NO |
| ♦ | 3. | The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one air curtain incinerator.<br>*If the response to Question VI.H.4 is "NO," go to Section VI.I.* | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 22*** | | | |
| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **H.** | **Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004 (continued)** | |
| ♦ | 5. | The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.<br>*If the response to Question VI.H.5 is "NO," go to Question VI.H.7.* | ☐YES ☐NO |
| ♦ | 6. | All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste. | ☐YES ☐NO |
| ♦ | 7. | The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006. | ☐YES ☐NO |
| ♦ | 8. | All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste. | ☐YES ☐NO |
| | **I.** | **Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001** | |
| ♦ | 1. | The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator.<br>*If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.* | ☐YES ☒NO ☐N/A |
| ♦ | 2. | The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 23*** | | | |
| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **I.** | **Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001 (continued)** | |
| ♦ | 3. | The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one air curtain incinerator.<br>*If the response to Question VI.I.4 is "NO," go to Section VI.J.* | ☐YES ☒NO |
| ♦ | 5. | The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.<br>*If the response to Question VI.I.5 is "NO," go to VI.I.7.* | ☐YES ☐NO |
| ♦ | 6. | All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| ♦ | 7. | The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001. | ☐YES ☐NO |
| ♦ | 8. | All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 24*** | | | |
| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)** | | |
| | **J.** | **Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006** | |
| ♦ | 1. | The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator.<br>*If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.* | ☐YES ☒NO ☐N/A |
| ♦ | 2. | The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. | ☐YES ☐NO |
| ♦ | 3. | The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one air curtain incinerator.<br>*If the response to Question VI.J.4 is "NO," go to Section VI.K.* | ☐YES ☒NO |
| ♦ | 5. | The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.<br>*If the response to Question VI.J.5 is "NO," go to Question VI.J.7.* | ☐YES ☐NO |
| ♦ | 6. | All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| ♦ | 7. | The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 25*** | | | |
| **VI.** | **Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (NSPS) (continued)** | | |
| | **J.** | **Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006 (continued)** | |
| ♦ | 8. | All air curtain incinerators constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| ♦ | 9. | The air curtain incinerator is located at an institutional facility and is a distinct operating unit of the institutional facility that generated the waste. | ☐YES ☐NO |
| ♦ | 10. | The air curtain incinerator burns less than 35 tons per day of wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| | **K.** | **Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution** | |
| ♦ | 1. | The application area includes one or more of the onshore affected facilities listed in 40 CFR § 60.5365(a)-(g) that are subject to 40 CFR Part 60, Subpart OOOO. | ☐YES ☒NO |
| **VII.** | **Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts.<br>*If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.* | ☒YES ☐NO ☐N/A |
| | **B.** | **Subpart F - National Emission Standard for Vinyl Chloride** | |
| | 1. | The application area is located at a plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride. | ☐YES ☒NO |
| | **C.** | **Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks (Fugitive Emission Sources) of Benzene (Complete this section for GOP applications only)** | |
| ♦ | 1. | The application area includes equipment in benzene service. | ☐YES ☐NO ☐N/A |

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| ***Form OP-REQ1: Page 26*** | | | |
| **VII.** | **Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| | **D.** | **Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants** | |
| | 1. | The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b).<br>*If the response to Question VII.D.1 is "NO," go to Section VII.E.* | ☐YES ☒NO |
| | 2. | The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b). | ☐YES ☐NO |
| | 3. | The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2. | ☐YES ☐NO |
| | **E.** | **Subpart M - National Emission Standard for Asbestos** | |
| | | ***Applicability*** | |
| | 1. | The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, 61.144, 61.146, 61.147, 61.148, or 61.155.<br>*If the response to Question VII.E.1 is "NO," go to Section VII.F.* | ☐YES ☒NO |
| | | ***Roadway Construction*** | |
| | 2. | The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material. | ☐YES ☐NO |
| | | ***Manufacturing Commercial Asbestos*** | |
| | 3. | The application area includes a manufacturing operation using commercial asbestos.<br>*If the response to Question VII.E.3 is "NO," go to Question VII.E.4.* | ☐YES ☐NO |
| | | a. Visible emissions are discharged to outside air from the manufacturing operation | ☐YES ☐NO |
| | | b. An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 27*** | | | |
| **VII.** | **Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| | **E.** | **Subpart M - National Emission Standard for Asbestos (continued)** | |
| | | ***Manufacturing Commercial Asbestos* (continued)** | |
| | | c. Asbestos-containing waste material is processed into non-friable forms. | ☐YES ☐NO |
| | | d. Asbestos-containing waste material is adequately wetted. | ☐YES ☐NO |
| | | e. Alternative filtering equipment is being used that has received EPA approval. | ☐YES ☐NO |
| | | f. A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles | ☐YES ☐NO |
| | | g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals. | ☐YES ☐NO |
| | | ***Asbestos Spray Application*** | |
| | | 4. The application area includes operations in which asbestos-containing materials are spray applied.<br>*If the response to Question VII.E.4 is "NO," go to Question VII.E.5.* | ☐YES ☐NO |
| | | a. Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying.<br>*If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.* | ☐YES ☐NO |
| | | b. Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos. | ☐YES ☐NO |
| | | c. An alternative emission control and waste treatment method is being used that has received prior EPA approval. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 28*** | | | |
| **VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | | |
| **E. Subpart M - National Emission Standard for Asbestos (continued)** | | | |
| ***Asbestos Spray Application* (continued)** | | | |
| | d. | Asbestos-containing waste material is processed into non-friable forms. | ☐YES ☐NO |
| | e. | Asbestos-containing waste material is adequately wetted. | ☐YES ☐NO |
| | f. | Alternative filtering equipment is being used that has received EPA approval. | ☐YES ☐NO |
| | g. | A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles. | ☐YES ☐NO |
| | h. | The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals. | ☐YES ☐NO |
| ***Fabricating Commercial Asbestos*** | | | |
| 5. | | The application area includes a fabricating operation using commercial asbestos. *If the response to Question VII.E.5 is "NO," go to Question VII.E.6.* | ☐YES ☐NO |
| | a. | Visible emissions are discharged to outside air from the manufacturing operation. | ☐YES ☐NO |
| | b. | An alternative emission control and waste treatment method is being used that has received prior EPA approval. | ☐YES ☐NO |
| | c. | Asbestos-containing waste material is processed into non-friable forms. | ☐YES ☐NO |
| | d. | Asbestos-containing waste material is adequately wetted. | ☐YES ☐NO |
| | e. | Alternative filtering equipment is being used that has received EPA approval. | ☐YES ☐NO |

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| **VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| **E.** | **Subpart M - National Emission Standard for Asbestos (continued)** | |
| | ***Fabricating Commercial Asbestos* (continued)** | |
| | f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles. | ☐YES ☐NO |
| | g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals. | ☐YES ☐NO |
| | ***Non-sprayed Asbestos Insulation*** | |
| | 6. The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying. | ☐YES ☐NO |
| | ***Asbestos Conversion*** | |
| | 7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material. | ☐YES ☐NO |
| **F.** | **Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities** | |
| | 1. The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process. | ☐YES ☒NO |
| **G.** | **Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations** | |
| | 1. The application area is located at a benzene production facility and/or bulk terminal.<br>*If the response to Question VII.G.1 is "NO," go to Section VII.H.* | ☐YES ☒NO |
| | 2. The application area includes benzene transfer operations at marine vessel loading racks. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 30*** | | |
| **VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| **G.** | **Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)** | |
| 3. | The application area includes benzene transfer operations at railcar loading racks. | ☐YES ☐NO |
| 4. | The application area includes benzene transfer operations at tank-truck loading racks. | ☐YES ☐NO |
| **H.** | **Subpart FF - National Emission Standard for Benzene Waste Operations** | |
| | ***Applicability*** | |
| 1. | The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341. | ☒YES ☐NO |
| 2. | The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b).<br>*If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.* | ☐YES ☒NO |
| 3. | The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates.<br>*If the response to Question VII.H.3 is "YES," go to Section VIII.* | ☐YES ☒NO |
| 4. | The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr).<br>*If the response to Question VII.H.4 is "YES," go to Section VIII* | ☐YES ☒NO |
| 5. | The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr.<br>*If the response to Question VII.H.5 is "YES," go to Section VIII.* | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 31*** | | |
| **VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| **H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)** | | |
| | ***Applicability* (continued)** | |
| 6. | The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation. | ☒YES ☐NO |
| 7. | The application area has waste streams with flow-weighted annual average water content of 10% or greater. | ☒YES ☐NO |
| | ***Waste Stream Exemptions*** | |
| 8. | The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw). | ☐YES ☒NO |
| 9. | The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr. | ☐YES ☒NO |
| 10. | The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr. | ☐YES ☒NO |
| 11. | The application area transfers waste off-site for treatment by another facility. | ☒YES ☐NO |
| 12. | The application area is complying with 40 CFR § 61.342(d). | ☐YES ☒NO |
| 13. | The application area is complying with 40 CFR § 61.342(e).<br>*If the response to Question VII.H.13 is "NO," go to Question VII.H.15.* | ☐YES ☒NO |
| 14. | The application area has facility waste with a flow weighted annual average water content of less than 10%. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 32*** | | |
| **VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| **H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)** | | |
| ***Container Requirements*** | | |
| 15. | The application area has containers, as defined in 40 CFR § 61.341, that receive non-exempt benzene waste.<br>*If the response to Question VII.H.15 is "NO," go to Question VII.H.18.* | ☐YES ☒NO |
| 16. | The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers.<br>*If the response to Question VII.H.16 is "YES," go to Question VII.H.18.* | ☐YES ☐NO |
| 17. | Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| ***Individual Drain Systems*** | | |
| 18. | The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste.<br>*If the response to Question VII.H.18 is "NO," go to Question VII.H.25.* | ☒YES ☐NO |
| 19. | The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems.<br>*If the response to Question VII.H.19 is "YES," go to Question VII.H.25.* | ☐YES ☒NO |
| 20. | The application area has individual drain systems complying with 40 CFR § 61.346(a).<br>*If the response to Question VII.H.20 is "NO," go to Question VII.H.22.* | ☒YES ☐NO |
| 21. | Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure. | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 33*** | | | |
| **VII.** | **Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)** | | |
| | **H.** | **Subpart FF - National Emission Standard for Benzene Waste Operations (continued)** | |
| | | ***Individual Drain Systems* (continued)** | |
| | | 22. The application area has individual drain systems complying with 40 CFR § 61.346(b).<br>*If the response to Question VII.H.22 is "NO," go to Question VII.H.25.* | ☒YES ☐NO |
| | | 23. Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation. | ☒YES ☐NO |
| | | 24. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device. | ☐YES ☒NO |
| | | ***Remediation Activities*** | |
| | | 25. Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF. | ☒YES ☐NO |
| **VIII.** | **Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories** | | |
| | **A.** | **Applicability** | |
| ♦ | | 1. The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63.<br>*See instructions for 40 CFR Part 63 subparts made applicable only by reference.* | ☒YES ☐NO |
| | **B.** | **Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry** | |
| | | 1. The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a).<br>*If the response to Question VIII.B.1 is "NO," go to Section VIII.D.* | ☒YES ☐NO |

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| ***Form OP-REQ1: Page 34*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **B.** | **Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)** | |
| 2. | The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii).<br>*If the response to Question VIII.B.2 is "NO," go to Section VIII.D.* | ☒YES ☐NO |
| 3. | The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. | ☒YES ☐NO |
| 4. | The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. | ☒YES ☐NO |
| 5. | The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does not use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.<br>*If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.* | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 35*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater** | | |
| ***Applicability*** | | |
| 1. | The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F.<br>*If the response to Question VIII.C.1 is "NO," go to Section VIII.D.* | ☒YES ☐NO |
| 2. | The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148. | ☒YES ☐NO |
| 3. | The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148.<br>*If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.* | ☒YES ☐NO |
| 4. | The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping. | ☒YES ☐NO |
| 5. | The application area includes vapor collection systems or closed-vent systems that contain bypass lines that could divert a vent stream away from a control device and to the atmosphere.<br>*If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.* | ☐YES ☒NO |
| ***Vapor Collection and Closed Vent Systems*** | | |
| 6. | Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area. | ☐YES ☐NO |
| 7. | Bypass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 36*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)** | | |
| ***Reloading or Cleaning of Railcars, Tank Trucks, or Barges*** | | |
| 8. | The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank.<br>*If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.* | ☐YES ☒NO |
| 9. | The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater. | ☐YES ☐NO |
| 10. | The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system. | ☐YES ☐NO |
| ***Transfer Racks*** | | |
| 11. | The application area includes Group 1 transfer racks that load organic HAPs. | ☐YES ☒NO |
| ***Process Wastewater Streams*** | | |
| 12. | The application area includes process wastewater streams.<br>*If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.* | ☒YES ☐NO |
| 13. | The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF.<br>*If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.* | ☒YES ☐NO |
| 14. | The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii). | ☐YES ☒NO |
| 15. | The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F.<br>*If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.* | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 37*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)** | | |
| ***Process Wastewater Streams* (continued)** | | |
| 16. | The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii). | ☐YES ☒NO |
| 17. | The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272.<br>*If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.* | ☐YES ☒NO |
| 18. | The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i). | ☐YES ☐NO |
| 19. | The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii). | ☐YES ☐NO |
| 20. | The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds. | ☐YES ☒NO |
| 21. | The application area includes process wastewater streams, located at existing sources that are Group 2. | ☒YES ☐NO |
| 22. | The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds. | ☐YES ☒NO |
| 23. | The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds. | ☒YES ☐NO |

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| ***Form OP-REQ1: Page 38*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)** | | |
| ***Process Wastewater Streams* (continued)** | | |
| 24. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.* | ☐YES ☒NO |
| 25. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.* | ☐YES ☒NO |
| 26. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐YES ☐NO |
| 27. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☒NO |
| 28. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.* | ☐YES ☒NO |
| 29. | The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☐NO |
| 30. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☒NO |

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***Form OP-REQ1: Page 39***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)**

***Drains***

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| 31. | The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.* | ☐YES ☒NO |
| 32. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☐YES ☐NO |
| 33. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☐NO |
| 34. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b).<br>*If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.* | ☒YES ☐NO |
| 35. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d).<br>*If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.* | ☐YES ☒NO |
| 36. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 40*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **C.** | **Subpart G-National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operation, and Wastewater (continued)** | |
| | ***Drains* (continued)** | |
| 37. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute. | ☐YES ☐NO |
| 38. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute. | ☐YES ☐NO |
| | ***Gas Streams*** | |
| 39. | The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant. | ☐YES ☒NO |
| 40. | The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5). | ☐YES ☐NO |
| **D.** | **Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks** | |
| 1. | The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations. | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 41*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **E.** | **Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities** | |
| 1. | The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials.<br>*If the response to Question VIII.E.1 is "NO," go to Section VIII.F.* | ☐YES ☒NO |
| 2. | Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O.<br>*If the response to Question VIII.E.2 is "NO," go to Section VIII.F.* | ☐YES ☐NO |
| 3. | The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996. | ☐YES ☐NO |
| 4. | The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996. | ☐YES ☐NO |
| **F.** | **Subpart Q - National Emission Standards for Industrial Process Cooling Towers** | |
| 1. | The application area includes industrial process cooling towers.<br>*If the response to Question VIII.F.1 is "NO," go to Section VIII.G.* | ☒YES ☐NO |
| 2. | Chromium-based water treatment chemicals have been used on or after September 8, 1994. | ☐YES ☒NO |
| **G.** | **Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)** | |
| 1. | The application area includes a bulk gasoline terminal. | ☐YES ☒NO |
| 2. | The application area includes a pipeline breakout station.<br>*If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.* | ☐YES ☒NO |
| 3. | The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station.<br>*If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 42*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **G.** | **Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (continued)** | |
| 4. | The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs.<br>*If the response to Question VIII.G.4 is "YES," go to Question VIII.G.10.* | ☐YES ☐NO |
| 5. | An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station.<br>*If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.* | ☐YES ☐NO |
| 6. | The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep).<br>*If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.* | ☐YES ☐NO |
| 7. | Emissions screening factor less than 0.5 (ET or EP < 0.5).<br>*If the response to Question VIII.G.7 is "YES," go to Section VIII.H.* | ☐YES ☐NO |
| 8. | Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0).<br>*If the response to Question VIII.G.8 is "YES," go to Section VIII.H.* | ☐YES ☐NO |
| 9. | Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0).<br>*If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.* | ☐YES ☐NO |
| 10. | The site at which the application area is located is a major source of HAP.<br>*If the response to Question VIII.G.10 is "NO," go to Section VIII.H.* | ☐YES ☐NO |
| 11. | The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f). | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 43*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **H.** | **Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry** | |
| 1. | The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2.<br>*If the response to Question VIII.H.1 is "NO," go to Section VIII.I.* | ☐YES ☒NO |
| 2. | The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3).<br>*If the response to Question VIII.H.2 is "NO," go to Section VIII.I.* | ☐YES ☐NO |
| 3. | The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources.<br>*If the response to Question VIII.H.3 is "NO," go to Section VIII.I.* | ☐YES ☐NO |
| 4. | The application area includes one or more kraft pulping systems that are existing sources. | ☐YES ☐NO |
| 5. | The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill. | ☐YES ☐NO |
| 6. | The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24.<br>*If the response to Question VIII.H.6 is "NO," go to Section VIII.I.* | ☐YES ☐NO |
| 7. | The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i). | ☐YES ☐NO |
| 8. | The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii). | ☐YES ☐NO |

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***Form OP-REQ1: Page 44***

**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**I. Subpart T - National Emission Standards for Halogenated Solvent Cleaning**

| | | |
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| 1. | The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent. | ☐YES ☒NO |
| 2. | The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride. | ☐YES ☒NO |
| 3. | The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride. | ☐YES ☒NO |

**J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins**

| | | |
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| 1. | The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units.<br>*If the response to Question VIII.J.1 is "NO," go to Section VIII.K.* | ☐YES ☒NO |
| 2. | Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U.<br>*If the response to Question VIII.J.2 is "NO," go to Section VIII.K.* | ☐YES ☐NO |
| 3. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482. | ☐YES ☐NO |
| 4. | The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 45*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **J.** | **Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)** | |
| 5. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.* | ☐YES ☐NO |
| 6. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.* | ☐YES ☐NO |
| 7. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐YES ☐NO |
| 8. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☐NO |
| 9. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.* | ☐YES ☐NO |
| 10. | The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 46*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **J.** | **Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)** | |
| | ***Containers*** | |
| 11. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☐NO |
| | ***Drains*** | |
| 12. | The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.* | ☐YES ☐NO |
| 13. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☐YES ☐NO |
| 14. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☐NO |
| 15. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit.<br>*If the response to Question VIII.J.15 is "NO," go to Section VIII.K.* | ☐YES ☐NO |
| 16. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12).<br>*If the response to Question VIII.J.16 is "NO," go to Section VIII.K.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 47*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **J.** | **Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)** | |
| | ***Drains* (continued)** | |
| 17. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate. | ☐YES ☐NO |
| 18. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute. | ☐YES ☐NO |
| 19. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute. | ☐YES ☐NO |
| **K.** | **Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production** | |
| 1. | The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area.<br>*If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.* | ☐YES ☒NO ☐N/A |
| 2. | The application area includes a BLR and/or WSR research and development facility. | ☐YES ☐NO |

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|---|---|---|
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **L.** | **Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting** | |
| 1. | The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter.<br>*If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.* | ☐YES ☐NO ☒N/A |
| 2. | The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources. | ☐YES ☐NO |
| **M.** | **Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations** | |
| 1. | The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561. | ☐YES ☒NO |
| **N.** | **Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries** | |
| | ***Applicability*** | |
| 1. | The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7).<br>*If the response to Question VIII.N.1 is "NO," go to Section VIII.O.* | ☐YES ☒NO |
| 2. | All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7).<br>*If the response to Question VIII.N.2 is "YES," go to Section VIII.O.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 49*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)** | | |
| ***Applicability* (continued)** | | |
| 3. | The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a).<br>*If the response to Question VIII.N.3 is "NO," go to Section VIII.O.* | ☐YES ☐NO |
| 4. | The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC.<br>*If the response to Question VIII.N.4 is "NO," go to Section VIII.O.* | ☐YES ☐NO |
| 5. | The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. | ☐YES ☐NO |
| 6. | The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. | ☐YES ☐NO |
| 7. | The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.<br>*If the response to Question VIII.N.7 is "NO," go to Section VIII.O.* | ☐YES ☐NO |
| 8. | The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i). | ☐YES ☐NO |

**Texas Commission on Environmental Quality**
**Application Area-Wide Applicability Determinations and General Information**
**Form OP-REQ1**
**Federal Operating Permit Program**

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| ***Form OP-REQ1: Page 50*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **N.** | **Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)** | |
| | ***Applicability* (continued)** | |
| 9. | The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii).<br>*If the response to Question VIII.N.9 is "NO," go to Section VIII.O.* | ☐YES ☐NO |
| 10. | The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992. | ☐YES ☐NO |
| | ***Containers, Drains, and other Appurtenances*** | |
| 11. | The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii). | ☐YES ☐NO |
| 12. | The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii). | ☐YES ☐NO |
| **O.** | **Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations** | |
| 1. | The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1).<br>*If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P* | ☐YES ☒NO<br>☒N/A |
| 2. | Materials specified in 40 CFR § 63.680(b)(2) are received at the application area. | ☐YES ☐NO |
| 3. | The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)**

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| 4. | The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10). | ☐YES ☐NO |
| 5. | The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a "state" or "municipality." | ☐YES ☐NO |
| 6. | The predominant activity in the application area is the treatment of wastewater received from off-site. | ☐YES ☐NO |
| 7. | The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6). | ☐YES ☐NO |
| 8. | The application area has a recovery operation that recycles or reprocesses used solvent which is an off-site material and is not part of a chemical, petroleum, or other manufacturing process that is required to use air emission controls by another subpart of 40 CFR Part 63 or Part 61. | ☐YES ☐NO |
| 9. | The application area has a recovery operation that re-refines or reprocesses used oil which is an off-site material and is regulated under 40 CFR Part 279, Subpart F (Standards for Used Oil Processors and Refiners). | ☐YES ☐NO |
| 10. | The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year.<br>*If the response to Question VIII.O.10 is "YES," go to Section VIII.P.* | ☐YES ☐NO |

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|---|---|---|
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)** | | |
| 11. | The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater.<br>*If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.* | ☐YES ☐NO |
| 12. | VOHAP concentration is determined by direct measurement. | ☐YES ☐NO |
| 13. | VOHAP concentration is based on knowledge of the off-site material. | ☐YES ☐NO |
| 14. | The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system.<br>*If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.* | ☐YES ☐NO |
| 15. | An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight. | ☐YES ☐NO |
| 16. | An equipment component in the application area is intended to operate 300 hours or more during a 12-month period. | ☐YES ☐NO |
| 17. | The application area includes containers that manage non-exempt off-site material. | ☐YES ☐NO |
| 18. | The application area includes individual drain systems that manage non-exempt off-site materials. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 53*** | | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | | |
| | **P.** | **Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities** | |
| | 1. | The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components.<br>*If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.* | ☐YES ☒NO ☐N/A |
| | 2. | The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7). | ☐YES ☐NO |
| | **Q.** | **Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.** | |
| ♦ | 1. | The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer. | ☐YES ☒NO |
| ♦ | 2. | The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user.<br>*For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.*<br>*For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.* | ☐YES ☒NO |
| ♦ | 3. | The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761.<br>*For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.*<br>*For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.* | ☐YES ☐NO |
| ♦ | 4. | The application area is located at a site that is a major source of HAP.<br>*If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 54*** | | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | | |
| | **Q.** | **Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)** | |
| ♦ | 5. | The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 $ft^3$) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day.<br>*For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.*<br>*For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.*<br>*For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.* | ☐YES ☐NO |
| ♦ | 6. | The application area includes a triethylene glycol (TEG) dehydration unit.<br>*For SOP applications, f the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.* | ☐YES ☐NO |
| ♦ | 7. | The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761. | ☐YES ☐NO |
| ♦ | 8. | The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP. | ☐YES ☐NO |
| ♦ | 9. | Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii). | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 55*** | | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | | |
| **R.** | **Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)** | | |
| 1. | The application area includes shipbuilding or ship repair operations.<br>*If the response to Question VIII.R.1 is "NO," go to Section VIII.S.* | ☐YES | ☒NO |
| 2. | Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II. | ☐YES | ☐NO |
| **S.** | **Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations** | | |
| 1. | The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations.<br>*If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.* | ☐YES | ☒NO<br>☐N/A |
| 2. | The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801. | ☐YES | ☐NO |
| **T.** | **Subpart KK - National Emission Standards for the Printing and Publishing Industry** | | |
| 1. | The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses. | ☐YES | ☒NO<br>☐N/A |
| **U.** | **Subpart PP - National Emission Standards for Containers** | | |
| 1. | The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions.<br>*If the response to Question VIII.U.1 is "NO," go to Section VIII.V.* | ☐YES | ☒NO |
| 2. | The application area includes containers using Container Level 1 controls. | ☐YES | ☐NO |
| 3. | The application area includes containers using Container Level 2 controls. | ☐YES | ☐NO |

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| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **U.** | **Subpart PP - National Emission Standards for Containers (continued)** | |
| 4. | The application area includes containers using Container Level 3 controls. | ☐YES ☐NO |
| **V.** | **Subpart RR - National Emission Standards for Individual Drain Systems** | |
| 1. | The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions. | ☐YES ☒NO |
| **W.** | **Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards** | |
| 1. | The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. | ☐YES ☒NO |
| 2. | The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.<br>*If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.* | ☐YES ☒NO |
| 3. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c). | ☐YES ☐NO |
| 4. | The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c). | ☐YES ☐NO |
| 5. | All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr. | ☐YES ☐NO |
| 6. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.* | ☐YES ☐NO |

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| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **W.** | **Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)** | |
| 7. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐YES ☐NO |
| 8. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☐NO |
| 9. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.* | ☐YES ☐NO |
| 10. | The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☐NO |
| 11. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☐NO |
| 12. | The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.* | ☐YES ☐NO |
| 13. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices. | ☐YES ☐NO |
| 14. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☐NO |

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| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)** | | |
| 15. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit.<br>*If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.* | ☐YES ☐NO |
| 16. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3).<br>*If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.* | ☐YES ☐NO |
| 17. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate. | ☐YES ☐NO |
| 18. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 59*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **W.** | **Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)** | |
| 19. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute. | ☐YES ☐NO |
| 20. | The application area includes an ethylene production process unit. | ☐YES ☐NO ☒N/A |
| 21. | The application area includes waste streams generated from an ethylene production process unit.<br>*If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.* | ☐YES ☐NO ☒N/A |
| 22. | The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1).<br>*If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |
| 23. | Waste stream(s) are transferred off-site for treatment.<br>*If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.* | ☐YES ☐NO |
| 24. | The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment.<br>*If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 60*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **W.** | **Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)** | |
| 25. | The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a). | ☐YES ☐NO |
| 26. | The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b).<br>*If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 27. | The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control.<br>*If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 28. | The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s).<br>*If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.* | ☐YES ☐NO |
| 29. | The application area includes containers that receive, manage, or treat a continuous butadiene waste stream. | ☐YES ☐NO |
| 30. | The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream.<br>*If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 31. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 61*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **W.** | **Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)** | |
| 32. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.<br>*If the response to Question VIII.W.32 is required, go to Question VIII.W.43.* | ☐YES ☐NO |
| 33. | The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream.<br>*If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.* | ☐YES ☐NO |
| 34. | The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers.<br>*If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.* | ☐YES ☐NO |
| 35. | Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| 36. | The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream.<br>*If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 37. | The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems.<br>*If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 62*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **W.** | **Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)** | |
| 38. | The application area has individual drain systems complying with 40 CFR § 61.346(a).<br>*If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.* | ☐YES ☐NO |
| 39. | Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| 40. | The application area has individual drain systems complying with 40 CFR § 61.346(b).<br>*If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.* | ☐YES ☐NO |
| 41. | Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation. | ☐YES ☐NO |
| 42. | Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device. | ☐YES ☐NO |
| 43. | The application area has at least one waste stream that contains benzene.<br>*If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |
| 44. | The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene.<br>*If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.* | ☐YES ☐NO |
| 45. | The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers.<br>*If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 63*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **W.** | **Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)** | |
| 46. | Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| 47. | The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene.<br>*If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |
| 48. | The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems.<br>*If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.* | ☐YES ☐NO |
| 49. | The application area has individual drain systems complying with 40 CFR § 61.346(a).<br>*If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.* | ☐YES ☐NO |
| 50. | Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure. | ☐YES ☐NO |
| 51. | The application area has individual drain systems complying with 40 CFR § 61.346(b).<br>*If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.* | ☐YES ☐NO |
| 52. | Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 64*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **W.** | **Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)** | |
| 53. | Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device. | ☐YES ☐NO |
| 54. | The application area contains a cyanide chemicals manufacturing process.<br>*If the response to Question VIII.W.54 is "NO," go to Section VIII.X.* | ☐YES ☒NO |
| 55. | The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile. | ☐YES ☐NO |
| **X.** | **Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins** | |
| 1. | The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ.<br>*If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.* | ☒YES ☐NO |
| 2. | The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units.<br>*If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.* | ☒YES ☐NO |
| 3. | All process wastewater streams generated or managed in the application area are from sources producing polystyrene.<br>*If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.* | ☐YES ☒NO |
| 4. | All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN.<br>*If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.* | ☐YES ☒NO |

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| ***Form OP-REQ1: Page 65*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)** | | |
| 5. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312. | ☒YES ☐NO |
| 6. | The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312. | ☐YES ☒NO |
| 7. | The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312. | ☒YES ☐NO |
| 8. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.* | ☐YES ☒NO |
| 9. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.* | ☐YES ☒NO |
| 10. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☒YES ☐NO |
| 11. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☒NO |
| 12. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.* | ☒YES ☐NO |

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| ***Form OP-REQ1: Page 66*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)** | | |
| 13. | The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☒NO |
| ***Containers*** | | |
| 14. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☒NO |
| ***Drains*** | | |
| 15. | The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.* | ☒YES ☐NO |
| 16. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☒YES ☐NO |
| 17. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☒NO |
| 18. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit.<br>*If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.* | ☒YES ☐NO |

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| ***Form OP-REQ1: Page 67*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)** | | |
| ***Drains* (continued)** | | |
| 19. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.* | ☐YES ☒NO |
| 20. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate. | ☐YES ☒NO |
| 21. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute. | ☒YES ☐NO |
| 22. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute | ☒YES ☐NO |

**Texas Commission on Environmental Quality**
**Application Area-Wide Applicability Determinations and General Information**
**Form OP-REQ1**
**Federal Operating Permit Program**

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| ***Form OP-REQ1: Page 68*** | | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | | |
| | **Y.** | **Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.** | |
| | 1. | The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units. | ☐YES ☒NO |
| | **Z.** | **Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.** | |
| ♦ | 1. | The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills. | ☐YES ☒NO |
| | **AA.** | **Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)** | |
| | 1. | The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1). | ☐YES ☒NO |
| | 2. | The application area is located at a plant site that is a major source as defined in FCAA § 112(a). | ☒YES ☐NO |
| | 3. | The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP.<br>*If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.* | ☐YES ☒NO |
| | 4. | The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF.<br>*If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.* | ☐YES ☒NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)**

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| 5. | The application area includes process wastewater streams.<br>*If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.* | ☐YES ☐NO |
| 6. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF. | ☐YES ☐NO |
| 7. | The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF. | ☐YES ☐NO |
| 8. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.* | ☐YES ☐NO |
| 9. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.<br>*If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.* | ☐YES ☐NO |
| 10. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐YES ☐NO |
| 11. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐YES ☐NO |
| 12. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation.<br>*If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.* | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)**

| | | |
|---|---|---|
| 13. | Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h).<br>*If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.* | ☐YES ☐NO |
| 14. | The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected. | ☐YES ☐NO |
| 15. | Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite.<br>*If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.* | ☐YES ☐NO |
| 16. | The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit. | ☐YES ☐NO |
| 17. | The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | ☐YES ☐NO |
| 18. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐YES ☐NO |
| 19. | The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream.<br>*If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.* | ☐YES ☐NO |
| 20. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | ☐YES ☐NO |

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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)**

| | | |
|---|---|---|
| 21. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐YES ☐NO |
| 22. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b).<br>*If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.* | ☐YES ☐NO |
| 23. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d).<br>*If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.* | ☐YES ☐NO |
| 24. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flow rate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr. | ☐YES ☐NO |
| 25. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flow rate is greater than or equal to 1 liter per minute. | ☐YES ☐NO |
| 26. | The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 72*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)** | | |
| **BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.** | | |
| 1. | The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions. | ☐YES ☒NO |
| **CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation** | | |
| 1. | The application area includes a facility at which a site remediation is conducted.<br>*If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.* | ☐YES ☒NO |
| 2. | The application area is located at a site that is a major source of HAP.<br>*If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.* | ☐YES ☐NO |
| 3. | All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6).<br>*If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.* | ☐YES ☐NO |
| 4. | Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr.<br>*If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.* | ☐YES ☐NO |
| 5. | The site remediation will be completed within 30 consecutive calendar days. | ☐YES ☐NO |
| 6. | No site remediation will exceed 30 consecutive calendar days.<br>*If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.* | ☐YES ☐NO |
| 7. | Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. | ☐YES ☐NO |
| 8. | All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.<br>*If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.* | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 73*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)** | | |
| 9. | The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG.<br>*If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.* | ☐YES ☐NO |
| 10. | The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b). | ☐YES ☐NO |
| 11. | The application area includes containers with a capacity greater than 0.46 $m^3$ that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii). | ☐YES ☐NO |
| 12. | The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b). | ☐YES ☐NO |
| 13. | The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b). | ☐YES ☐NO |
| 14. | The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962. | ☐YES ☐NO |
| **DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities** | | |
| 1. | The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions.<br>*If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.* | ☐YES ☒NO |
| 2. | The EAF steelmaking facility is a research and development facility.<br>*If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.* | ☐YES ☐NO |
| 3. | Metallic scrap is utilized in the EAF. | ☐YES ☐NO |
| 4. | Scrap containing motor vehicle scrap is utilized in the EAF. | ☐YES ☐NO |
| 5. | Scrap not containing motor vehicle scrap is utilized in the EAF. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 74*** | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | |
| **EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities** | | |
| 1. | The application area is located at a site that is an area source of HAPs.<br>*If the answer to Question EE.1 is "NO," go to Section VIII.FF.* | ☐YES ☒NO |
| 2. | The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R. | ☐YES ☐NO |
| 3. | The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB. | ☐YES ☐NO |
| 4. | The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB.<br>*If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.* | ☐YES ☐NO |
| 5. | The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a). | ☐YES ☐NO |
| 6. | The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC.<br>*If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.* | ☐YES ☐NO |
| 7. | The bulk gasoline terminal has throughput of less than 250,000 gallons per day.<br>*If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.* | ☐YES ☐NO |
| 8. | The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks. | ☐YES ☐NO |
| 9. | The bulk gasoline terminal loads gasoline into railcar cargo tanks.<br>*If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.* | ☐YES ☐NO |
| 10. | The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system. | ☐YES ☐NO |

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| ***Form OP-REQ1: Page 75*** | | | |
| **VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)** | | | |
| | **EE.** | **Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)** | |
| | 11. | The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit. | ☐YES ☐NO |
| | **FF.** | **Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities** | |
| ♦ | 1. | The application area is located at a site that is an area source of hazardous air pollutants.<br>*If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.* | ☐YES ☒NO |
| ♦ | 2. | The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132.<br>*If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.* | ☐YES ☐NO |
| ♦ | 3. | The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment. | ☐YES ☐NO |
| | **GG.** | **Recently Promulgated 40 CFR Part 63 Subparts** | |
| ♦ | 1. | The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form.<br>*If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.* | ☒YES ☐NO |
| ♦ | 2. | Provide the Subpart designation (i.e. Subpart EEE) in the space provided below.<br>**Subpart ZZZZ; Subpart DDDDD** | |

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| ***Form OP-REQ1: Page 76*** | | | |
| **IX.** | **Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions** | | |
| | **A.** | **Applicability** | |
| ♦ | 1. | The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10. | ☐YES ☒NO |
| **X.** | **Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone** | | |
| | **A.** | **Subpart A - Production and Consumption Controls** | |
| ♦ | 1. | The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product. | ☐YES ☒NO ☐N/A |
| | **B.** | **Subpart B - Servicing of Motor Vehicle Air Conditioners** | |
| ♦ | 1. | Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area. | ☐YES ☒NO |
| | **C.** | **Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances** | |
| ♦ | 1. | The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C. | ☐YES ☒NO ☐N/A |
| | **D.** | **Subpart D - Federal Procurement** | |
| ♦ | 1. | The application area is owned/operated by a department, agency, or instrumentality of the United States. | ☐YES ☒NO ☐N/A |
| | **E.** | **Subpart E - The Labeling of Products Using Ozone Depleting Substances** | |
| ♦ | 1. | The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer. | ☐YES ☒NO ☐N/A |
| ♦ | 2. | The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance. | ☐YES ☒NO ☐N/A |
| ♦ | 3. | The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance. | ☐YES ☒NO ☐N/A |

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| **X.** | **Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)** | | |
| | **F.** | **Subpart F - Recycling and Emissions Reduction** | |
| ♦ | 1. | Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area. | ☒YES ☐NO |
| ♦ | 2. | Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area. | ☐YES ☒NO ☐N/A |
| ♦ | 3. | The application area manufactures appliances or refrigerant recycling and recovery equipment. | ☐YES ☒NO ☐N/A |
| | **G.** | **Subpart G - Significant New Alternatives Policy Program** | |
| ♦ | 1. | The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound.<br>*If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.* | ☐YES ☒NO ☐N/A |
| ♦ | 2. | All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7). | ☐YES ☐NO ☐N/A |
| | **H.** | **Subpart H -Halon Emissions Reduction** | |
| ♦ | 1. | Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area. | ☐YES ☒NO ☐N/A |
| ♦ | 2. | Disposal of halons or manufacturing of halon blends is conducted in the application area. | ☐YES ☒NO ☐N/A |
| **XI.** | **Miscellaneous** | | |
| | **A.** | **Requirements Reference Tables (RRT) and Flowcharts** | |
| | 1. | The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart. | ☐YES ☒NO |

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| **XI.** | **Miscellaneous (continued)** | | |
| | **B.** | **Forms** | |
| ♦ | 1. | The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form.<br>*If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.* | ☐YES ☒NO ☐N/A |
| ♦ | 2. | Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below. | |
| | **C.** | **Emission Limitation Certifications** | |
| ♦ | 1. | The application area includes units for which federally enforceable emission limitations have been established by certification. | ☐YES ☒NO |
| | **D.** | **Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements** | |
| | 1. | The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP). | ☐YES ☒NO |
| | 2. | The application area includes units located at the site that are subject to a site-specific requirement of the SIP. | ☐YES ☒NO |
| | 3. | The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator.<br>*If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.* | ☐YES ☒NO |
| | 4. | The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director.<br>*If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.* | ☒YES ☐NO |

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| **XI. Miscellaneous (continued)** | | |
| **E. Title IV - Acid Rain Program** | | |
| 1. | The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program. | ☐YES ☒NO |
| 2. | The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7. | ☐YES ☒NO |
| 3. | The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8. | ☐YES ☒NO |
| **F. 40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) $NO_X$ Ozone Season Group 2 Trading Program** | | |
| 1. | The application area includes emission units subject to the requirements of the CSAPR $NO_X$ Ozone Season Group 2 Trading Program.<br>*If the response to Question XI.F.1 is "NO," go to Question XI.F.7.* | ☐YES ☒NO |
| 2. | The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for $NO_X$ and heat input. | ☐YES ☐NO |
| 3. | The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for $NO_X$, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input. | ☐YES ☐NO |
| 4. | The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for $NO_X$, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input. | ☐YES ☐NO |
| 5. | The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for $NO_X$ and heat input. | ☐YES ☐NO |
| 6. | The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for $NO_X$ and heat input. | ☐YES ☐NO |
| 7. | The application area includes emission units that qualify for the CSAPR $NO_X$ Ozone Season Group 2 retired unit exemption. | ☐YES ☒NO |

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| **XI.** | **Miscellaneous (continued)** | |
| **G.** | **40 CFR Part 97, Subpart FFFFF - Texas $SO_2$ Trading Program** | |
| 1. | The application area includes emission units complying with the requirements of the Texas $SO_2$ Trading Program.<br>*If the response to Question XI.G.1 is "NO," go to Question XI.G.6.* | ☐YES ☒NO |
| 2. | The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for $SO_2$ and 40 CFR Part 75, Subpart H for heat input. | ☐YES ☐NO |
| 3. | The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for $SO_2$ and heat input. | ☐YES ☐NO |
| 4. | The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for $SO_2$ and heat input. | ☐YES ☐NO |
| 5. | The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for $SO_2$ and heat input. | ☐YES ☐NO |
| 6. | The application area includes emission units that qualify for the Texas $SO_2$ Trading Program retired unit exemption. | ☐YES ☒NO |
| **H.** | **Permit Shield (SOP Applicants Only)** | |
| 1. | A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit. | ☒YES ☐NO |

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| **XI.** | **Miscellaneous (continued)** | | |
| | **I.** | **GOP Type (Complete this section for GOP applications only)** | |
| ♦ | 1. | The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties. | ☐YES ☐NO |
| ♦ | 2. | The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties. | ☐YES ☐NO |
| ♦ | 3. | The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties. | ☐YES ☐NO |
| ♦ | 4. | The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County. | ☐YES ☐NO |
| ♦ | 5. | The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit. | ☐YES ☐NO |
| | **J.** | **Title 30 TAC Chapter 101, Subchapter H** | |
| ♦ | 1. | The application area is located in a nonattainment area.<br>*If the response to Question XI.J.1 is "NO," go to question XI.J.3.* | ☒YES ☐NO |
| ♦ | 2. | The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program. | ☒YES ☐NO ☐N/A |
| ♦ | 3. | The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program. | ☒YES ☐NO ☐N/A |

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| **XI.** | **Miscellaneous (continued)** | | |
| | **J.** | **Title 30 TAC Chapter 101, Subchapter H (continued)** | |
| ♦ | 4. | The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of $NO_X$. | ☒YES ☐NO |
| ♦ | 5. | The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I. | ☐YES ☒NO |
| ♦ | 6. | The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2. | ☒YES ☐NO |
| ♦ | 7. | The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program. | ☐YES ☒NO |
| | **K.** | **Periodic Monitoring** | |
| ♦ | 1. | The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application. | ☐YES ☒NO |
| ♦ | 2. | The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.* | ☒YES ☐NO |
| ♦ | 3. | All periodic monitoring requirements are being removed from the permit with this application. | ☐YES ☒NO |

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*For SOP applications, answer ALL questions unless otherwise directed.*
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

| | | | |
|---|---|---|---|
| ***Form OP-REQ1: Page 83*** | | | |
| **XI.** | **Miscellaneous (continued)** | | |
| | **L.** | **Compliance Assurance Monitoring** | |
| ♦ | 1. | The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source.<br>*If the response to Question XI.L.1 is "NO," go to Section XI.M.* | ☐YES ☒NO |
| ♦ | 2. | The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement.<br>*If the response to Question XI.L.2 is "NO," go to Section XI.M.* | ☐YES ☐NO |
| ♦ | 3. | The permit holder has submitted a CAM proposal on Form OP-MON in a previous application. | ☐YES ☐NO |
| ♦ | 4. | The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application.<br>*If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.* | ☐YES ☐NO |
| | 5. | The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit. | ☐YES ☐NO |
| | 6. | Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below. | |
| ♦ | 7. | At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). | ☐YES ☐NO |
| ♦ | 8. | All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).<br>*If the response to Question XI.L.8 is "YES," go to Section XI.M.* | ☐YES ☐NO |

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|---|---|---|---|
| ***Form OP-REQ1: Page 84*** | | | |
| **XI.** | **Miscellaneous (continued)** | | |
| | **L.** | **Compliance Assurance Monitoring (continued)** | |
| ♦ | 9. | At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1. | ☐YES ☐NO |
| ♦ | 10. | At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1. | ☐YES ☐NO |
| ♦ | 11. | At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1. | ☐YES ☐NO |
| ♦ | 12. | The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass. | ☐YES ☐NO |
| | **M.** | **Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times** | |
| ♦ | 1. | The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004.<br>*If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.* | ☐YES ☐NO ☒N/A |
| ♦ | 2. | All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials. | ☐YES ☐NO |
| **XII.** | **New Source Review (NSR) Authorizations** | | |
| | **A.** | **Waste Permits with Air Addendum** | |
| ♦ | 1. | The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum.<br>*If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.* | ☐YES ☒NO |

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|---|---|---|---|
| ***Form OP-REQ1: Page 85*** | | | |
| **XII. New Source Review (NSR) Authorizations (continued)** | | | |
| | **B.** | **Air Quality Standard Permits** | |
| ♦ | 1. | The application area includes at least one Air Quality Standard Permit NSR authorization.<br>*If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.* | ☐YES ☒NO |
| ♦ | 2. | The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617. | ☐YES ☒NO |
| ♦ | 3. | The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization. | ☐YES ☐NO |
| ♦ | 4. | The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620. | ☐YES ☐NO |
| ♦ | 5. | The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization. | ☐YES ☐NO |
| ♦ | 6. | The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621. | ☐YES ☐NO |
| ♦ | 7. | The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U. | ☐YES ☐NO |
| | 8. | The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| ♦ | 9. | The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| ♦ | 10. | The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |

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|---|---|---|---|
| ***Form OP-REQ1: Page 86*** | | | |
| **XII. New Source Review (NSR) Authorizations (continued)** | | | |
| | **B.** | **Air Quality Standard Permits (continued)** | |
| ♦ | 11. | The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| ♦ | 12. | The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization.<br>*If the response to XII.B.12 is "NO," go to Question XII.B.15.* | ☐YES ☐NO |
| ♦ | 13. | For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region. | ☐YES ☐NO |
| ♦ | 14. | For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region. | ☐YES ☐NO |
| ♦ | 15. | The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| ♦ | 16. | The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization. | ☐YES ☐NO |
| | **C.** | **Flexible Permits** | |
| | 1. | The application area includes at least one Flexible Permit NSR authorization. | ☐YES ☒NO |
| | **D.** | **Multiple Plant Permits** | |
| | 1. | The application area includes at least one Multi-Plant Permit NSR authorization. | ☐YES ☒NO |

| | |
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**XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)**

**E. PSD Permits and PSD Major Pollutants**

| | | |
|---|---|---|
| PSD Permit No.: | Issuance Date: | Pollutant(s): |
| PSD Permit No.: | Issuance Date: | Pollutant(s): |
| PSD Permit No.: | Issuance Date: | Pollutant(s): |
| PSD Permit No.: | Issuance Date: | Pollutant(s): |

*If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.*

**F. Nonattainment (NA) Permits and NA Major Pollutants**

| | | |
|---|---|---|
| NA Permit No.: | Issuance Date: | Pollutant(s): |
| NA Permit No.: | Issuance Date: | Pollutant(s): |
| NA Permit No.: | Issuance Date: | Pollutant(s): |
| NA Permit No.: | Issuance Date: | Pollutant(s): |

*If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.*

**G. NSR Authorizations with FCAA § 112(g) Requirements**

| | | | |
|---|---|---|---|
| NSR Permit No.: | Issuance Date: | NSR Permit No.: | Issuance Date: |
| NSR Permit No.: | Issuance Date: | NSR Permit No.: | Issuance Date: |
| NSR Permit No.: | Issuance Date: | NSR Permit No.: | Issuance Date: |
| NSR Permit No.: | Issuance Date: | NSR Permit No.: | Issuance Date: |

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

| | | | |
|---|---|---|---|
| Authorization No.: 5252 | Issuance Date: 9/15/2021 | Authorization No.: | Issuance Date: |
| Authorization No.: 150950 | Issuance Date: 5/19/2022 | Authorization No.: | Issuance Date: |
| Authorization No.: | Issuance Date: | Authorization No.: | Issuance Date: |
| Authorization No.: | Issuance Date: | Authorization No.: | Issuance Date: |

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| | |
|---|---|
| ***Form OP-REQ1: Page 88*** | |
| **XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)** | |
| ♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area** | |
| *A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.* | |
| PBR No.: 106.264 | Version No./Date: 09/04/2000 |
| PBR No.: 106.262 | Version No./Date: 11/01/2003 |
| PBR No.: 106.452 | Version No./Date: 09/04/2000 |
| PBR No.: 106.433 | Version No./Date: 09/04/2000 |
| PBR No.: 106.371 | Version No./Date: 09/04/2000 |
| PBR No.: 106.261 | Version No./Date: 11/01/2003 |
| PBR No.: 106.263 | Version No./Date: 11/01/2001 |
| PBR No.: 106.473 | Version No./Date: 09/04/2000 |
| PBR No.: Standard Exemption 51 | Version No./Date: 05/04/1994 |
| PBR No.: Standard Exemption 118 | Version No./Date: 05/20/1994 |
| PBR No.: 106.511 | Version No./Date: 09/04/2000 |
| PBR No.: | Version No./Date: |
| PBR No.: | Version No./Date: |
| PBR No.: | Version No./Date: |
| PBR No.: | Version No./Date: |
| PBR No.: | Version No./Date: |
| ♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum** | |
| Permit No.: | Issuance Date: |
| Permit No.: | Issuance Date: |
| Permit No.: | Issuance Date: |
| Permit No.: | Issuance Date: |

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| | |
|---|---|
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| Permit No.: **O1625** | |
| Regulated Entity No.: **RN100542224** | |
| Company Name: **INEOS Styrolution America LLC** | |
| For Submissions to EPA | |
| Has an electronic copy of this application been submitted (or is being submitted) to EPA? | ☒ YES ☐ NO |
| **I. Application Type** | |
| Indicate the type of application: | |
| ☐ Renewal | |
| ☒ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.) | |
| ☐ Significant Revision | |
| ☐ Revision Requesting Prior Approval | |
| ☐ Administrative Revision | |
| ☐ Response to Reopening | |
| **II. Qualification Statement** | |
| For SOP Revisions Only | ☒ YES ☐ NO |
| For GOP Revisions Only | ☐ YES ☐ NO |

**Federal Operating Permit Program**
**Application for Permit Revision/Renewal**
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| **III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)** | | | | | | |
|---|---|---|---|---|---|---|
| Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)* | | | | | | |
| ☒ VOC | ☒ $NO_X$ | ☐ $SO_2$ | ☐ $PM_{10}$ | ☒ CO | ☐ Pb | ☒ HAP |
| Other: | | | | | | |
| **IV. Reference Only Requirements** *(For reference only)* | | | | | | |
| Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)? | | | | | ☒ YES ☐ NO ☐ N/A | |
| **V. Delinquent Fees and Penalties** | | | | | | |
| Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol. | | | | | | |

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|---|
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| Company Name: **INEOS Styrolution America LLC** |

Using the table below, provide a description of the revision.

| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 1 | MS-C | Yes | EmergeGen | OP-SUMR<br>OP-UA2 | 150950 | Add emission unit EmergeGen to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 117, Subchapter D; 40 CFR 60, Subpart IIII; and 40 CFR 63, Subpart ZZZZ as specified on the attached OP-UA2. |
| 2 | MS-C | Yes | RTO | OP-SUMR<br>OP-UA35 | 150950 | Add emission unit RTO to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 117, Subchapter B as specified on the attached OP-UA35. |
| 3 | MS-C | Yes | MTFLARE | OP-SUMR<br>OP-REQ1<br>OP-UA7 | 150950 | Add emission unit MTFLARE to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 111, Subchapter A and 40 CFR 60, Subpart A as specified on the attached OPUA7. Add 30 TAC 117 Subchapter B Applicability as noted on the applicable pages of the OP-REQ1. |
| 4 | MS-C | Yes | B1100 | OP-SUMR<br>OP-UA3 | 150950 | Add emission unit B1100 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B; 40 CFR 60, and 40 CFR 63, Subpart JJJ as specified on the OP-UA3. |

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| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 5 | MS-C | Yes | B1200 | OP-SUMR<br>OP-UA3 | 150950 | Add emission unit B1200 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability 40 CFR 63, Subpart JJJ as specified on the OP-UA3. |
| 6 | MS-C | Yes | B1400 | OP-SUMR<br>OP-UA3 | 150950 | Add emission unit B1400 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B; and 40 CFR 60, Subpart Kb as specified on the OP-UA3. |
| 7 | MS-C | Yes | B1500 | OP-SUMR<br>OP-UA3 | 150950 | Add emission units B-1500 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B; and 40 CFR 60, Subpart KB as specified on the OP-UA3. |
| 8 | MS-C | Yes | B1600 | OP-SUMR<br>OP-UA3 | 150950 | Add emission units B-1600 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B; and 40 CFR 60, Subpart KB as specified on the OP-UA3. |
| 9 | MS-C | Yes | V1803 | OP-SUMR<br>OP-UA3 | 150950 | Add emission unit V-1803 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B; and 40 CFR 60, Subpart Kb as specified on the OP-UA3. |

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| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 10 | MS-C | Yes | B2500 | OP-SUMR<br>OP-UA3<br>OP-UA15 | 150950 | Add emission units B2500 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 40 CFR 63, Subpart JJJ for surge control vessels as specified on the OP-UA3 and add applicability to 30 TAC 115, Subchapter B Vent Gas as specified on the OP-UA15 |
| 11 | MS-C | Yes | B2504 | OP-SUMR<br>OP-UA3<br>OP-UA15 | 150950 | Add emission units B2504 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 40 CFR 63, Subpart JJJ for surge control vessels as specified on the OP-UA3 and add applicability to 30 TAC 115, Subchapter B Vent Gas as specified on the OP-UA15 |
| 12 | MS-C | Yes | B2508 | OP-SUMR<br>OP-UA3 | 150950 | Add emission units B2508 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 40 CFR 63, Subpart JJJ for surge control vessels as specified on the OP-UA3 and add applicability to 30 TAC 115, Subchapter B Vent Gas as specified on the OP-UA15 |
| 13 | MS-C | Yes | DieselTK | OP-SUMR<br>OP-UA3 | 150950 | Add emission unit DieselTK to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 40 CFR 60, Subpart Kb specified on the OP-UA3. |
| 14 | MS-C | Yes | CT | OP-SUMR<br>OP-REQ1<br>OP-UA13 | 150950 | Add emission unit CT to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 40 CFR 63, Subpart JJJ as specified on the attached OPUA13 and as specified on the applicable pages of OP-REQ1. |

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| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 15 | MS-C | Yes | ASAFUG | OP-SUMR<br>OP-REQ1<br>OP-UA12 | 150950 | Add emission unit ASAFUG to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B and 40 CFR 63, Subpart JJJ as specified on the attached OP-UA12 and as specified on the applicable pages of OP-REQ1. |
| 16 | MS-C | Yes | ASAFU10VOC | OP-SUMR<br>OP-REQ1<br>OP-UA12 | 150950 | Add emission unit ASAFU10VOC to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B and 40 CFR 63, Subpart JJJ as specified on the attached OP-UA12 and as specified on the applicable pages of OP-REQ1. |
| 17 | MS-A | Yes | ASAFUG$NH_3$ | OP-SUMR | 150950 | Add emission unit ASAFUG$NH_3$ to the permit with the description and authorization found on the attached OP-SUMR. |
| 18 | MS-A | Yes | ASAFUGNG | OP-SUMR | 150950 | Add emission unit ASAFUGNG to the permit with the description and authorization found on the attached OP-SUMR. |
| 19 | MS-A | Yes | V9840 | OP-SUMR<br>OP-UA3 | 150950 | Add emission unit V9840 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B, Storage Tanks, as specified on the attached OP-UA3. |
| 20 | MS-A | Yes | B9834 | OP-SUMR<br>OP-UA3 | 150950 | Add emission unit B-9834 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B, Storage Tanks, as specified on the attached OP-UA3. |

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| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | | Unit/Group | Process | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| | | New Unit | ID No. | Applicable Form | | |
| 21 | MS-A | Yes | SU7311 | OP-SUMR | 150950 | Add emission units SU7311, to the permit with the description and authorization found on the attached OP-SUMR. |
| 22 | MS-A | Yes | SU9726 | OP-SUMR | 150950 | Add emission units SU9726, to the permit with the description and authorization found on the attached OP-SUMR. |
| 23 | MS-A | Yes | SU9740 | OP-SUMR | 150950 | Add emission units SU9740, to the permit with the description and authorization found on the attached OP-SUMR. |
| 24 | MS-A | Yes | SU9722 | OP-SUMR<br>OP-REQ1 | 150950 | Add emission units SU9722 to the permit with the description and authorization found on the attached OP-SUMR. |
| 25 | MS-A | Yes | SU9860 | OP-SUMR | 150950 | Add emission units SU9860 to the permit with the description and authorization found on the attached OP-SUMR. |
| 26 | MS-A | Yes | SU9724 | OP-SUMR | 150950 | Add emission units SU9724 to the permit with the description and authorization found on the attached OP-SUMR. |
| 27 | MS-A | Yes | B9850 | OP-SUMR | 150950 | Add emission unit B-9850 to the permit with the description and authorization found on the attached OP-SUMR. |
| 28 | MS-C | Yes | HOH | OP-SUMR<br>OP-UA5 | 150950 | Add emission unit HOH to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 117, Subchapter B and 40 CFR 63, Subpart DDDDD as specified on the OP-UA5. |

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| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 29 | MS-C | Yes | C5644 | OP-SUMR<br>OP-UA15 | 150950 | Add emission units C5644 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control as specified on the OP-UA15. |
| 30 | MS-C | Yes | C5944 | OP-SUMR<br>OP-UA15 | 150950 | Add emission units C5944 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control as specified on the OP-UA15. |
| 31 | MS-C | Yes | C6244 | OP-SUMR<br>OP-UA15 | 150950 | Add emission units C6244; to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control as specified on the OP-UA15. |
| 32 | MS-C | Yes | R2000 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit R2000 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; and 40 CRF Part 63, Subchapter JJJ Batch and Aggregate Process Vents as specified on the OP-UA15. |
| 33 | MS-C | Yes | R2100 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit R2100 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; and 40 CRF Part 63, Subchapter JJJ Batch and Aggregate Process Vents as specified on the OP-UA15. |

**Federal Operating Permit Program**
**Application for Permit Revision/Renewal**
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**Texas Commission on Environmental Quality**

| |
|---|
| Date:**2/1/2023** |
| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 34 | MS-C | Yes | R2600 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit R2600 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control and 40 CRF Part 63, Subpart JJJ as specified on the OP-UA15. |
| 35 | MS-C | Yes | R2700 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit R2700 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control and 40 CRF Part 63, Subpart JJJ as specified on the OP-UA15. |
| 36 | MS-C | Yes | R2620 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit R2620 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control as specified on the OP-UA15. |
| 37 | MS-C | Yes | R2720 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit R2720 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control as specified on the OP-UA15. |
| 38 | MS-C | Yes | V8201 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit V8201 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control as specified on the OP-UA15. |

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**Application for Permit Revision/Renewal**
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| |
|---|
| Date:**2/1/2023** |
| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 39 | MS-C | Yes | E3042 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit E3042 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; and 40 CRF Part 63, Subpart JJJ as specified on the OP-UA15. |
| 40 | MS-C | Yes | E3404 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit E3404 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; and 40 CRF Part 63, Subpart JJJ as specified on the OP-UA15. |
| 41 | MS-C | Yes | V1207 | OP-SUMR<br>OP-UA15 | 150950 | Add emission units V1207 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |
| 42 | MS-C | Yes | V9004 | OP-SUMR<br>OP-UA15 | 150950 | Add emission units V9004, to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |
| 43 | MS-C | Yes | V9820 | OP-SUMR<br>OP-UA3 | 150950 | Add emission units V9820, to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B, Storage Tanks, as specified on the attached OP-UA3. |

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|---|
| Date:**2/1/2023** |
| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 44 | MS-C | Yes | C3711 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit C3711 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |
| 45 | MS-C | Yes | C3750 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit C3750 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |
| 46 | MS-C | Yes | C3811 | OP-SUMR<br>OP-UA15 | 150950 | Add emission units C3811 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |
| 47 | MS-C | Yes | C5711 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit C5711 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |
| 48 | MS-C | Yes | C6011 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit C6011 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |

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|---|
| Date:**2/1/2023** |
| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 49 | MS-C | Yes | C6311 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit C6311 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |
| 50 | MS-C | Yes | C6250 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit C6250 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |
| 51 | MS-C | Yes | GRPFilter | OP-SUMR<br>OP-REQ1 | 150950 | Add emission units F2223, F5008, F5018, F5028, F5048, F5058, F5068, F5102, F5112, F5122, F5132, F5142, F5152, F5251, F5414, F5415, F5420, F5582, F5882, F6182, F6703, F6711, F7324, F7580, F7581, F7582, F7583, F7584, F7585, F7640, F7641, F7642, F7703, F7723, F7764, F7826, F7836, F7876, F7811, F7823, F7833, F7873, F7840, F7850, F7860, F7880, F7901 (GRPFILTER) to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 111, Subchapter A, Visible emissions per the affected pages of OP-REQ1. |
| 52 | MS-C | Yes | PK2800 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit PK2800; to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |

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| Date:**2/1/2023** |
| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | | Unit/Group | Process | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| | | New Unit | ID No. | Applicable Form | | |
| 53 | MS-C | Yes | PK2900 | OP-SUMR<br>OP-UA15 | 150950 | Add emission unit PK2900 to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Vent Gas Control; as specified on the OP-UA15. |
| 54 | MS-C | Yes | PROASA | OP-SUMR<br>OP-UA60 | 150950 | Add emission unit PROASA to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Batch Processes as specified on the OP-UA60. |
| 55 | MS-C | Yes | PROASAALL | OP-SUMR<br>OP-UA60 | 150950 | Add emission unit PROASAALL to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 30 TAC Chapter 115, Subchapter B Batch Processes and 40 CFR Subpart JJJ as specified on the OP-UA60. |
| 56 | MS-C | Yes | PROSAN | OP-SUMR<br>OP-UA60 | 150950 | Add emission unit PROSAN to the permit with the description and authorization found on the attached OP-SUMR. Additionally, add applicability to 40 CFR Subpart JJJ as specified on the OP-UA60. |
| 57 | MS-C | No | CTOTANK | OPSUMR | 106.262/09/04/2000 | Add the unit with NSR Authorization of 106.262 with effective date of 09/04/2000. |
| 58 | MS-C | No | HB-1301P | OP-SUMR<br>OP-UA6 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA06. |
| 59 | MS-C | No | HB-301A | OP-SUMR<br>OP-UA6 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA06. |

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|---|
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| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 60 | MS-C | No | HB-301B | OP-SUMR<br>OP-UA6 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA06. |
| 61 | MS-C | No | HB-301S | OP-SUMR<br>OP-UA6 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA06. |
| 62 | MS-C | No | HS-102 | OP-SUMR<br>OP-UA5 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA05. |
| 63 | MS-C | No | HS-103 | OP-SUMR<br>OP-UA5 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA05. |
| 64 | MS-C | No | HS-104 | OP-SUMR<br>OP-UA5 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA05. |
| 65 | MS-C | No | HS-201/219 | OP-SUMR<br>OP-UA5 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA05. |
| 66 | MS-C | No | HS-220 | OP-SUMR<br>OP-UA5 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA05. |
| 67 | MS-C | No | HS-601 | OP-SUMR<br>OP-UA5 | 5252 | Add 40 CFR Part 63, Subpart DDDDD, positive applicability as specified on the attached OP-UA05. |
| 68 | MS-C | No | MT-312 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 1 applicability as specified on the attached OP-UA03. |

**Federal Operating Permit Program**
**Application for Permit Revision/Renewal**
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**Texas Commission on Environmental Quality**

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|---|
| Date:**2/1/2023** |
| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | | Unit/Group | Process | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| | | New Unit | ID No. | Applicable Form | | |
| 69 | MS-C | No | MT-306 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 1 applicability as specified on the attached OP-UA03. |
| 70 | MS-C | No | MS-213 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 71 | MS-C | No | MT-318 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 72 | MS-C | No | MT-307 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 73 | MS-C | No | MT-302 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 74 | MS-C | No | MT-308 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 75 | MS-C | No | MT-310 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 76 | MS-C | No | MT-311 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 77 | MS-C | No | MT-315 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |

**Federal Operating Permit Program**
**Application for Permit Revision/Renewal**
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**Texas Commission on Environmental Quality**

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|---|
| Date:**2/1/2023** |
| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | | Unit/Group | Process | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| | | New Unit | ID No. | Applicable Form | | |
| 78 | MS-C | No | MT-316 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 79 | MS-C | No | MT-317 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 80 | MS-C | No | MT-322 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 81 | MS-C | No | MT-355 | OP-SUMR<br>OP-UA3 | 5252 | Add 40 CFR Part 63, Subpart G, Group 2 applicability as specified on the attached OP-UA03. |
| 82 | MS-C | No | PROEBSM | OP-UA60<br>OP-REQ1 | 5252 | Add positive applicability for 40 CFR Part 63, Subpart F applicability as specified on the OP-UA60 and the affected pages of OP-REQ1. |
| 83 | MS-C | Yes | 115 | OP-SUMR<br>OP-UA2 | 150950 | Update 40 CFR 63, Subpart ZZZZ applicability as specified on the attached OP-UA2. |
| 84 | MS-C | Yes | 802A | OP-SUMR<br>OP-UA2 | 150950 | Update 40 CFR 63, Subpart ZZZZ applicability as specified on the attached OP-UA2. |
| 85 | MS-C | Yes | 802B | OP-SUMR<br>OP-UA2 | 150950 | Update 40 CFR 63, Subpart ZZZZ applicability as specified on the attached OP-UA2. |
| 86 | MS-C | Yes | 802S | OP-SUMR<br>OP-UA2 | 150950 | Update 40 CFR 63, Subpart ZZZZ applicability as specified on the attached OP-UA2. |
| 87 | MS-C | Yes | MSS | OP-SUMR | 150950 | Add the NSR Authorization for ASA MSS emissions |

**Federal Operating Permit Program**
**Application for Permit Revision/Renewal**
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| |
|---|
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| Permit No.: **O1625** |
| Regulated Entity No.: **RN100542224** |
| Company Name: **INEOS Styrolution America LLC** |

| Revision No. | Revision Code | New Unit | Unit/Group ID No. | Process Applicable Form | NSR Authorization | Description of Change and Provisional Terms and Conditions |
|---|---|---|---|---|---|---|
| 88 | MS-C | No | CT-2 | OP-SUMR | 5252 | Completely Removed unit ID CT-2 from the permit, including all applicability |
| 89 | MS-C | No | CT-1 | OP-SUMR | 106.371/09/04/2000 | Add NSR Authorization 106.371 with the effective date of 09/04/2000 and remove NSR authorization 5252 |
| 90 | MS-C | YES | FUGPAINT | OPSUMR | 106.433/09/04/2000 | Add the unit with NSR Authorization of 106.433 with effective date of 09/04/2000 |
| 91 | MS-C | No | FUG-NH3 | OPSUMR | 106.261/09/04/2000 106.262/09/04/2000 | Add the unit with NSR Authorization of 106.261 with effective date of 09/04/2000 and 106.262 with effective date of 09/04/2000 |
| 92 | MS-C | No | FUG-VOC | OPSUMR | 106.261/09/04/2000 106.262/09/04/2000 | Add the unit with NSR Authorization of 106.261 with effective date of 09/04/2000 and 106.262 with effective date of 09/04/2000 |
| 93 | MS-C | No | FUG-Bz | OPSUMR | 106.261/09/04/2000 106.262/09/04/2000 | Add the unit with NSR Authorization of 106.261 with effective date of 09/04/2000 and 106.262 with effective date of 09/04/2000 |

**Federal Operating Permit Program**
**Application for Permit Revision/Renewal**
**Form OP-2-Table 3**
**Texas Commission on Environmental Quality**

| | | |
|---|---|---|
| Date: | | |
| Permit No.: | | |
| Regulated Entity No.: | | |
| Company Name: | | |
| **I.** | **Significant Revision** *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)* | |
| A. | Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322? | ☐ YES ☐ NO |
| B. | Indicate the alternate language(s) in which public notice is required: | |
| C. | Will, there be a change in air pollutant emissions as a result of the significant revision? | ☐ YES ☐ NO |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 1)**
**Texas Commission on Environmental Quality**

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

| | |
|---|---|
| **I.** | **Company Identifying Information** |
| **A.** | Company Name: INEOS Styrolution America, LLC |
| **B.** | Customer Reference Number (CN): **CN** 6032522479 |
| **C.** | Submittal Date *(mm/dd/yyyy):* 12/14/2023 |
| **II.** | **Site Information** |
| **A.** | Site Name: Bayport Facility |
| **B.** | Regulated Entity Reference Number (RN): **RN** 100542224 |
| **C.** | Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)* |
| ☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A | |
| **D.** | Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)* |
| ☒ VOC ☒ $NO_X$ ☐ $SO_2$ ☐ $PM_{10}$ ☒ CO ☐ Pb ☒ HAPS | |
| Other: | |
| **E.** | Is the site a non-major source subject to the Federal Operating Permit Program? ☐ YES ☒ NO |
| **F.** | Is the site within a local program area jurisdiction? ☐ YES ☒ NO |
| **G.** | Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ YES ☒ NO |
| **H.** | Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging: |
| **III.** | **Permit Type** |
| **A.** | Type of Permit Requested: *(Select only one response )* |
| ☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP) | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 2)**
**Texas Commission on Environmental Quality**

| | | |
|---|---|---|
| **IV.** | **Initial Application Information** *(Complete for Initial Issuance Applications Only.)* | |
| **A.** | Is this submittal an abbreviated or a full application? | ☐ Abbreviated ☐ Full |
| **B.** | If this is a full application, is the submittal a follow-up to an abbreviated application? | ☐ YES ☐ NO |
| **C.** | If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? | ☐ YES ☐ NO |
| **D.** | Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) | ☐ YES ☐ NO |
| **E.** | Has the required Public Involvement Plan been included with this application? | ☐ YES ☐ NO |
| **V.** | **Confidential Information** | |
| **A.** | Is confidential information submitted in conjunction with this application? | ☐ YES ☒ NO |
| **VI.** | **Responsible Official (RO) Identifying Information** | |
| RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) | | |
| RO Full Name: Terrence Trevino | | |
| RO Title: Bayport Site Director | | |
| Employer Name: INEOS Styrolution America, LLC | | |
| Mailing Address: 12222 Port Rd. | | |
| City: Pasadena | | |
| State: TX | | |
| ZIP Code: 77507 | | |
| Territory: N/A | | |
| Country: USA | | |
| Foreign Postal Code: N/A | | |
| Internal Mail Code: N/A | | |
| Telephone No.: (281) 474-1601 | | |
| Fax No.: 281-474-1636 | | |
| Email: Terrence.Trevino@INEOS.com | | |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 3)**
**Texas Commission on Environmental Quality**

| **VII. Technical Contact Identifying Information** *(Complete if different from RO.)* | |
|---|---|
| Technical Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.) | |
| Technical Contact Full Name: | Staci Duhon |
| Technical Contact Title: | Environmental Engineer - Air |
| Employer Name: | INEOS Styrolution America, LLC |
| Mailing Address: | 12222 Port Rd. |
| City: | Pasadena |
| State: | TX |
| ZIP Code: | 77507 |
| Territory: | N/A |
| Country: | USA |
| Foreign Postal Code: | N/A |
| Internal Mail Code: | N/A |
| Telephone No.: | (979) 946-7760 |
| Fax No.: | (281) 474-1636 |
| Email: | staci.duhon@INEOS.com |
| **VIII. Reference Only Requirements** *(For reference only.)* | |
| **A.** State Senator: | Mayes Middleton |
| **B.** State Representative: | Dennis Paul |
| **C.** Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? | ☒ YES ☐ NO ☐ N/A |
| **D.** Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? | ☒ YES ☐ NO |
| **E.** Indicate the alternate language(s) in which public notice is required: | Spanish |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 4)**
**Texas Commission on Environmental Quality**

| | |
|---|---|
| **IX.** | **Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)* |
| **A.** | Office/Facility Name: |
| **B.** | Physical Address: |
| City: | |
| State: | |
| ZIP Code: | |
| Territory: | |
| Country: | |
| Foreign Postal Code: | |
| **C.** | Physical Location: |
| | |
| | |
| | |
| **D.** | Contact Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) |
| Contact Full Name: | |
| **E.** | Telephone No.: |
| **X.** | **Application Area Information** |
| **A.** | Area Name: Bayport Facility |
| **B.** | Physical Address: 12222 Port Rd. |
| City: | Pasadena |
| State: | TX |
| ZIP Code: | 77507 |
| **C.** | Physical Location: |
| | |
| | |
| | |
| **D**. | Nearest City: |
| **E.** | State: |
| **F.** | ZIP Code: |

**Federal Operating Permit Program**
**Site Information Summary**
**Form OP-1 (Page 5)**
**Texas Commission on Environmental Quality**

| | |
|---|---|
| **X.** | **Application Area Information *(continued)*** |
| **G.** | Latitude (nearest second): 29.603333 |
| **H.** | Longitude (nearest second): 95.017222 |
| **I.** | Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ YES ☒ NO |
| **J.** | Indicate the estimated number of emission units in the application area: |
| **K.** | Are there any emission units in the application area subject to the Acid Rain Program? ☐ YES ☒ NO |
| **XI.** | **Public Notice** *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)* |
| **A.** | Name of a public place to view application and draft permit: Evelyn Meador Branch Library |
| **B.** | Physical Address: 2400 North Meyer Avenue |
| City: | Seabrook |
| ZIP Code: | 77586 |
| **C.** | Contact Person (Someone who will answer questions from the public during the public notice period): |
| Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.): | |
| Contact Person Full Name: | Staci Duhon |
| Contact Mailing Address: | 12222 Port Road |
| City: | Pasadena |
| State: | TX |
| ZIP Code: | 77507 |
| Territory: | N/A |
| Country: | USA |
| Foreign Postal Code: | N/A |
| Internal Mail Code: | N/A |
| Telephone No.: | 979-946-7760 |

INEOS STYROLUTION

INEOS Styrolution America LLC
12222 Port Road
Pasadena, TX 77507
ineos-styrolution.com

**CERTIFIED MAIL: 7016 0600 0001 2014 3612**

February 1, 2023

Air Permits Initial Review Team (APIRT)
Texas Commission on Environmental Quality
Air Section (MC 161), P.O. Box 13087
Austin, Texas 78711-3087

RE: Title V Minor Revision Application
Permit Number O1625
INEOS Styrolution America, LLC – Bayport Facility
CN603252479; RN100542224

To Whom it May Concern:

INEOS Styrolution America, LLC, located in Pasadena, Harris County Texas, is requesting a Texas Commission on Environmental Quality (TCEQ) Title V minor revision to permit number O1625. This application will revise the site operating permit (SOP) for the addition of the new Acrylonitrile Styrene Acrylate (ASA) Unit and update existing sitewide applicability for the Ethylbenzene and Styrene Monomer (EBSM) Unit. Please find an original signed copy of TCEQ form OP-CRO1.

Please do not hesitate to contact me at (281) 474-1601 or terrence.trevino@ineos.com if you have any questions or require further information regarding this matter.

Sincerely,

Terrence Trevino
Site Director – Gulf Coast Styrene
INEOS Styrolution America Bayport

cc: TCEQ - Region 12
EPA Region 6

Phone: +1 281 474-1054
E-mail: Infopoint.americas@ineos.com

# INEOS Styrolution America, LLC
# Bayport Facility
**Pasadena, Texas**

## Application for Minor Revision to Federal Operating Permit No. O1625

February 2023

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## LIST OF APPENDICES

Appendix A TCEQ Title V Forms for Renewal

# SECTION 1 INTRODUCTION

## 1.1 Background

INEOS Styrolution America, LLC (INEOS Styrolution) owns and operates the Bayport Facility (RN100542224) in Pasadena, Harris County, Texas. INEOS Styrolution's Customer Reference number is CN603252479 and the site's TCEQ account number is HG-3307-M. The Facility currently owns and operates an Ethylbenzene and Styrene Monomer (EBSM) Unit. In August 2019, construction was approved via NSR Permit No. 150950 for a new Acrylonitrile Styrene Acrylate (ASA) Unit. The ASA Unit is scheduled to start operation in Q2 2023.

The Bayport Facility is currently a major source of volatile organic compounds (VOC), oxides of nitrogen (NOx), and carbon monoxide (CO) emissions and therefore subject to the Title V program. The addition of the ASA Unit will trigger major source applicability for hazardous air pollutant (HAP) emissions.

Federal Operating Permit O1625 was first issued in February 2004. The permit was last revised in April 2020.

## 1.2 Purpose

This application will revise the site operating permit (SOP) for the addition of equipment from the new ASA Unit as authorized under NSR Permit No. 150950. The permit did not trigger any Title I modifications to the Bayport Facility. The SOP will also be revised for current sources affected by the site becoming a major source of HAP emissions. The application contains all of the necessary forms to generate the new equipment and update existing equipment with associated unit attributes and applicable requirements.

## 1.3 Minor Revision Application

The project qualifies as a minor revision, and the application is designed for the streamlined revision process. The OP-REQ3 form will serve as provisional terms and conditions until such time the revision is issued.

INEOS Styrolution does not request a Permit Shield for any potentially applicable requirements that are not applicable. Negative applicability determinations can be provided upon request.

# SECTION 2 PROJECT DESCRIPTION

## 2.1 Description

The documents in this application constitute a complete application for a minor revision to SOP No. O1625. Revision items consists of:

- Generate the following new units for codifying requirements:
  - Engine
    - EmerGen
  - Control Devices
    - RTO, MTFLARE
  - Tanks
    - B1100, B1200, B1400, B1500, B1600, V1803, B2500, B2504, B2508, DieselTK
  - Cooling Towers
    - CT
  - Fugitives
    - ASAFUG, ASAFUG10VOC, ASAFUGNH3, ASAFUGNG
  - Wastewater Sources
    - V9840, B9834, SU7311, SU9726, SU9740, SU9722, SU9860, SU9724, B9850
  - Heater
    - HOH
  - VOC Vents
    - C5644, C5944, C6244, R2000, R2100, R2600, R2700, R2620, R2720, V8201, R3000, E3404, V1207, V2370, V9004, C3711, C3750, C3811, C5711, C6011, C6250, C6311, PK2800, PK2900
  - PM Vents
    - F2223, F5008, F5018, F5028, F5048, F5058, F5068, F5102, F5112, F5122, F5132, F5142, F5152, F5251, F5414, F5415, F5420, F5582, F5882, F6182, F6703, F6711, F7324, F7580, F7581, F7582, F7583, F7584, F7585, F7600, F7641, F7642, F7703, F7723, F7764, F7826, F7836, F7876, F7811, F7823, F7833, F7873, F7840, F7850, F7860, F7880, F7901
  - Processes
    - PROASA, PROASAALL, PROSAN
- Update the following existing units for applicable new Maximum Achievable Control Technology (MACT) applicability:
  - MACT DDDDD Sources
    - HB-1301P, HB-301A, HB-301B, HB-301S, HS-102, HS-103, HS-104, HS-201/219, HS-220, HS-601
  - MACT G Sources
    - MT-312, MT-306, MT-213, MT-318, MT-307, MT-302, MT-308, MT-310, MT-311, MT-315, MT-316, MT-317, MT322, MT-355, PROESBM
  - MACT ZZZZ Sources
    - 115, 802A, 802B, 802S

- Remove CT-2 from permit, including all applicability
- Update NSR authorizations for existing units:
  - CT-1, FUGPAINT, FUG-NH3, FUG-VOC, FUG-BZ, CTOTANK
- Update NSR permit No. 5252 to the latest version

There are no major NSR actions associated with this revision. INEOS Styrolution does not seek a change to the Permit Shield in this application.

## 2.2 Application Contents

This revision application contains the following:

- OP-CRO1: Certifies the contents of this application.
- OP-1, Specific Sections: Updates Technical Contact information, Updates or confirms State Senator and Representative information, Bilingual Notice requirements, Public Place for application information and draft permit, and public notice contact information. Note: because data on record is not being changed in this application, some of the sections of this form have been intentionally left blank.
- OP-2: Describes the revision type and lists revision items.
- OP-PBRSUP: A new form required by renewal applicants after August 2020. It is used to gather information for all active Permits by Rule (PBRs) claimed or registered in the Title V permit application area. Provides monitoring information for a subset of claimed PBRs.
- OP-SUMR: Generates the new equipment
- OP-UA2, UA3, UA5, UA6, UA7, UA12, UA13, UA15, UA35, and UA60: Contains unit attributes for applicable tables and rules for the new and updated equipment.
- OP-REQ3: Lists applicable requirements for the new and updated sources by index number and rule. These are to be used as provisional terms and conditions upon submission to the TCEQ and until the revision is issued.
- OP-REQ1: Updates questions and answers to the latest version of the OP-REQ1 form. Also updates the NSR authorizations to the latest versions.

These forms are contained in the following Appendix A.

# APPENDIX A TCEQ TITLE V FORMS FOR REVISION

- OP-CRO1
- OP-1
- OP-2
- OP-SUMR
- OP-PBRSUP
- OP-UA2, UA3, UA5, UA6, UA7, UA12, UA13, UA15, UA35, and UA60
- OP-REQ3
- OP-REQ1