



The Chemours Company
Washington Works
8480 DuPont Road
PO Box 1217
Washington, WV 26181

304-863-4000
chemours.com

Received
October 2, 2020
WV DEP/Div of Air Quality

September 28, 2020

Submitted to DEPAirQualityPermitting@wv.gov

Ms. Laura M. Crowder, Director
Division of Air Quality
WV Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304-2345

**COVER DOCUMENT FOR TITLE V PERMIT RENEWAL
R30-107-00812 Title V Permit – Segment 02 of 14 Renewal Application**

Dear Ms. Crowder:

Attached you will find the application documents and required index for the application for the renewal of the Title V Operating permit for the Fluoroproducts [Segment 02 of 14] facilities located at the Chemours Washington Works Facility.

The attached renewal application has been completed using references to the existing documentation (Permits) for terms and compliance methods rather than the relisting of each term and compliance method under each emission unit. Chemours will supply searchable PDF copies of current permits if needed to assist the permit writer in the assembly of the final permit document.

There is a potential that Chemours will be modifying the existing 45 CSR 13 permits prior to the delivery of the final renewed Title V permit. Chemours intends to make every effort to ensure that the 45 CSR 30 permit writer is kept updated with changes made to any underlying permit or rule that might occur during renewal permit application processing.

If you have questions, or need clarification, the contact person for this renewal application is John J. Mentink who may be reach at (304) 863-4033 by telephone or text and at john.j.mentink@chemours.com by email.

Very truly yours;

J. Canterbury
Strategy & Compliance Leader
Chemours Washington Works

Enclosures

Index to R30-10700182 Chemours Washington Works Segment 02 of 14 Renewal Application

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|--|------------------|-------------------------------------|
| 11. Mailing Address | | |
| Street or P.O. Box: Building 1, Chemours Washington Works | | |
| City: Washington | State: WV | Zip: 26181 - 1217 |
| Telephone Number: (304) 863 - 4240 | | Fax Number: (304) 863 - 4862 |

| | | |
|---|----------------------------------|--|
| 12. Facility Location | | |
| Street: 8480 DuPont Road | City: Washington | County: Wood |
| UTM Easting: 442.368 km | UTM Northing: 4346.679 km | Zone: <input checked="" type="checkbox"/> 17 or <input type="checkbox"/> 18 |
| Directions: From I-77 take the route 50 bypass around Parkersburg towards Ohio. At the last exit prior to the bridge exit from the Route 50 bypass on to DuPont Road. At the light turn left on to DuPont Road. Approximately mile from the turn you will see the site on your right and be approaching the exit from the road for the main gate of the facility. Entry to the facility must be through the main gate for site security reasons. | | |
| Portable Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Is facility located within a nonattainment area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | If yes, for what air pollutants? |
| Is facility located within 50 miles of another state? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, name the affected state(s). Ohio |
| Is facility located within 100 km of a Class I Area¹? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | If yes, name the area(s). |
| If no, do emissions impact a Class I Area¹? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| ¹ Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia. | | |

| 13. Contact Information | | |
|--|-------------------------------------|---|
| Responsible Official: Timothy L. Byrd | | Title: Plant Manager |
| Street or P.O. Box: P. O. Box 1217 | | |
| City: Washington | State: WV | Zip: 26181 - <input type="text" value="1217"/> |
| Telephone Number: (304) 863 - 4305 | Fax Number: (304) 362 - 9703 | |
| E-mail address: timothy.l.byrd-1@chemours.com | | |
| Environmental Contact: John J. Mentink | | Title: Sr. Env. Consultant |
| Street or P.O. Box: P. O. Box 1217 | | |
| City: Washington | State: WV | Zip: 26181 - 1217 |
| Telephone Number: (304) 863 - 4033 | Fax Number: (304) 863 - 4862 | |
| E-mail address: john.j.mentink@chemours.com | | |
| Application Preparer: John J. Mentink | | Title: Sr. Env. Consultant |
| Company: The Chemours Company FC, LLC. | | |
| Street or P.O. Box: P. O. Box 1217 | | |
| City: Washington | State: WV | Zip: 26181 - 1217 |
| Telephone Number: (304) 863 - 4033 | Fax Number: (304) 863 - 4862 | |
| E-mail address: john.j.mentink@chemours.com | | |

14. Facility Description

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

| Process | Products | NAICS | SIC |
|-----------------|-----------------------------------|--------|------|
| C1 & C2 Areas | Polymer Resins and Emulsions | 325211 | 2821 |
| T1-T4, T7 Areas | Fluoromonomers Facility | 325120 | 2869 |
| T1-T4, T7 Areas | Fluoromonomers Facility | 325188 | 2819 |
| T5 & T6 Areas | Fluoropolymer Resin Manufacturing | 325211 | 2821 |
| | | | |
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Provide a general description of operations.

Fluoroproducts production areas do not have multiple operating scenarios. Each area produces a product of family of products by varying operating conditions and small adjustments to raw material ratios or fixed material feed rates. All HAP estimates are based on worst case production scenarios operating conditions. The following is a general description summary for the operations occurring in each area.

C1 Area -

Within the "C1P" area of the Chemours' Washington Works facility is a process capable of producing a variety of products in dispersion, flake and cube form. These products are made from fluoromonomers produced at WW along with monomers from outside sources. The main product from this process is TEFLON PFA.

C2 Area

The C2 Area manufactures fluoropolymer resins by precharging fluoromonomers into reactors along with demineralized water. Aqueous solutions of catalyst salts are then pumped into the reactors to initiate polymerization. Additional fluoromonomers are fed into the reactors as the reaction proceeds. Unreacted fluoromonomers are vented to recycling facilities at the end of the reaction. The remaining fluoropolymer and water slurry is pumped to agglomerators that mechanically separate the fluoropolymer from the water. Alternatively, the reactor output may be sent to facilities which concentrate the dispersion to higher solids and package the dispersion for sale.

From the agglomerators, the polymer is conveyed to devices where water and other low boiling compounds are removed prior to extrusion. The polymer is then converted to pellets via an extrusion process. The pellets are hot air sparged to remove additional traces of miscellaneous volatile fluorocarbons, elutriated to remove traces of polymer fines and packaged for

15. Provide an **Area Map** showing plant location as **ATTACHMENT A**.

16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**.

For instructions, refer to "Plot Plan - Guidelines."

17. Provide a detailed **Process Flow Diagram(s)** showing each process or emissions unit as **ATTACHMENT C**. Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships.

Section 2: Applicable Requirements

| 18. Applicable Requirements Summary | |
|--|--|
| Instructions: Mark all applicable requirements. | |
| <input checked="" type="checkbox"/> SIP | <input type="checkbox"/> FIP |
| <input checked="" type="checkbox"/> Minor source NSR (45CSR13) | <input type="checkbox"/> PSD (45CSR14) |
| <input checked="" type="checkbox"/> NESHAP (45CSR34) | <input type="checkbox"/> Nonattainment NSR (45CSR19) |
| <input type="checkbox"/> Section 111 NSPS | <input checked="" type="checkbox"/> Section 112(d) MACT standards |
| <input type="checkbox"/> Section 112(g) Case-by-case MACT | <input checked="" type="checkbox"/> 112(r) RMP |
| <input type="checkbox"/> Section 112(i) Early reduction of HAP | <input type="checkbox"/> Consumer/commercial prod. reqts., section 183(e) |
| <input checked="" type="checkbox"/> Section 129 Standards/Reqts. | <input checked="" type="checkbox"/> Stratospheric ozone (Title VI) |
| <input type="checkbox"/> Tank vessel reqt., section 183(f) | <input type="checkbox"/> Emissions cap 45CSR§30-2.6.1 |
| <input type="checkbox"/> NAAQS, increments or visibility (temp. sources) | <input checked="" type="checkbox"/> 45CSR27 State enforceable only rule |
| <input checked="" type="checkbox"/> 45CSR4 State enforceable only rule | <input type="checkbox"/> Acid Rain (Title IV, 45CSR33) |
| <input type="checkbox"/> Emissions Trading and Banking (45CSR28) | <input type="checkbox"/> Compliance Assurance Monitoring (40CFR64) |
| <input type="checkbox"/> CAIR NO _x Annual Trading Program (45CSR39) | <input type="checkbox"/> CAIR NO _x Ozone Season Trading Program (45CSR40) |
| <input type="checkbox"/> CAIR SO ₂ Trading Program (45CSR41) | |

| 19. Non Applicability Determinations |
|--|
| <p>List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.</p> <p>a. 40 C.F.R. 60 Subpart K - "Standards of Performance For Storage Vessels For Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978." Tanks in the Fluoropolymer Production Unit containing petroleum liquids constructed, relocated, or modified during these dates have a storage capacity less than the applicability threshold.</p> <p>b. 40 C.F.R. 60 Subpart Ka - "Standards of Performance for Storage Vessels For Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984." Tanks in the Fluoropolymer Production Unit containing petroleum liquids constructed, relocated, or modified during these dates have a storage capacity less than the applicability threshold.</p> <p>c. 40 C.F.R. 60 Subpart Kb - "Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984." Tanks in the Fluoropolymer Production Unit containing volatile organic liquids constructed, relocated, or modified after July 23, 1984 have a storage capacity less than the applicability threshold.</p> |
| <input checked="" type="checkbox"/> Permit Shield |

19. Non Applicability Determinations (Continued) - Attach additional pages as necessary.

List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.

- d. 40 C.F.R. 60 Subpart VV - "Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry." Fluoroproducts facilities do not produce as intermediates or final products any of the materials listed in §60.489.
- e. 40 C.F.R. 60 Subpart DDD - "Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry." The Fluoroproducts production facilities do not manufacture polypropylene, polyethylene, polystyrene, or poly(ethylene terephthalate) for which this rule applies.
- f. 40 C.F.R. 60 Subpart NNN - "Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations." The Fluoroproducts facilities do not have a process unit that produces any of the chemicals listed in §60.667 as a product, co-product, by-product, or intermediate.
- g. 40 C.F.R. 60 Subpart RRR - "Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes." The Fluoroproducts facilities do not have a process unit that produces any of the chemicals listed in §60.707 as a product, co-product, by-product, or intermediate.
- h. 40 C.F.R. 61 Subpart V - "National Emission Standards for Equipment Leaks (Fugitive Emissions Sources)." Applies to sources in VHAP service as defined in §61.241. VHAP service involves chemicals that are not used in Fluoroproducts manufacture.
- i. 40 C.F.R. 63 Subpart H - "National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks." 40 C.F.R. 63 Subparts F, G, and H do not apply to manufacturing process units that do not meet the criteria in §§63.100(b)(1), (b)(2), and (b)(3). There is an exception to this for 40 CFR Subpart H - "Heavy Liquids" [40 CFR 63.169] for specific application to streams containing greater than 30% HCL in water. This is from a commitment in the Notice of Compliance Status for the HCL MACT [40 CFR 63 Subpart NNNNN] to meet the requirement for an LDAR program for lines subject to the HCL MACT.
- j. 40 C.F.R. 63 Subpart JJJ - "National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins. Fluoroproducts manufacturing does not produce the materials listed in §63.1310.
- k. 40 C.F.R. 82 Subpart B - "Protection of Stratospheric Ozone." Requires recycling of Chlorofluorocarbons (CFCs) from motor vehicles and that technicians servicing equipment need to be licensed. The Fluoroproducts production facility does not conduct motor vehicle maintenance involving CFCs on site. This is handled by the Central Maintenance Services (CMS) R30-10700182-2019 Segment 14 of 14.
- l. 40 C.F.R. 63, Subpart EEEE - "National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)." Storage tank T5HY has a design capacity of less than 18.9 cubic meters (5,000 gallons) and is not required to be controlled under 40 C.F.R. 63, Subpart EEEE. It is only subject to the record-keeping requirements of 40 C.F.R. §63.2343(a). Storage tank T7AA is an existing tank with a design capacity greater than or equal to 18.9 cubic meters (5,000 gallons) and less than 189.3 cubic meters (50,000 gallons) storing an organic liquid with an annual average true vapor pressure of the total Table 1 organic HAP in the stored organic liquid less than 27.6 kilopascals (4.0 psia). Since the annual average true vapor pressure of the total Table 1 organic HAP is less than 4.0 psia, this tank is not required to be controlled under 40 C.F.R. 63, Subpart EEEE and is only subject to the notification, record-keeping, and reporting requirements of 40 C.F.R. §63.2343(b)(1) through (3). The unloading systems MCE and MCS are used for unloading when maintenance or inspection is required and are not an affected source under 40 C.F.R. 63, Subpart EEEE as specified in 40 C.F.R. §63.2338(c) (3). Since the tanks do not require control and the unloading systems are not affected sources, 40 C.F.R. §63.2350(c) does not require Chemours to develop a written startup, shutdown, and malfunction (SSM) plan for the tanks or unloading systems. Also, since the equipment leak detection requirements of 40 C.F.R. §63.2346(c) only apply if the affected source has at least one storage tank or transfer rack that meets the applicability criteria for control in Table 2 of 40 C.F.R. 63, Subpart EEEE, and none of the tanks or transfer racks are required to be controlled, Chemours is not subject to the leak detection and repair requirements of 40 C.F.R. 63, Subpart EEEE.



Permit Shield

20. Facility-Wide Applicable Requirements (Continued) - Attach additional pages as necessary.

List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.

3.1.4. Odor.

No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public. [45CSR§4-3.1 State-Enforceable only.]

3.1.5. Standby plan for reducing emissions.

When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11. [45CSR§11-5.2]

3.1.6. Emission inventory.

The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality. [W.Va. Code § 22-5-4(a)(14)]

3.1.7. Ozone - depleting substances.

For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 C.F.R. § 82.161.

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.2.1. Reserved.

3.2.2. 45CSR21. The permittee shall implement and maintain leak detection and repair (LDAR) programs for the reduction of fugitive VOC emissions in all manufacturing process units subject to 45CSR§21-40 producing a product or products intermediate or final, in excess of 1,000 megagrams (1,100 tons) per year in accordance with the applicable methods and criteria of 45CSR§21-37 or alternate procedures approved by the Director.

Procedures approved by the Director, 40 C.F.R. 60, Subpart VV, 40 C.F.R. 61, Subpart V, 40 C.F.R. 63, Subpart H, 40 C.F.R. 63, Subpart TT, 40 C.F.R. 63, Subpart UU, 40 C.F.R. 65, Subpart F, and 40 C.F.R. 265, Subpart CC. This requirement shall apply to all units identified in Appendix E irrespective of whether or not such units produce as intermediates or final products, substances on the lists contained with 40 C.F.R. 60, 40 C.F.R. 61, or 40 C.F.R. 63.

Note: The Attachment A listing only for those sources in the Fluoropolymers Production Area is provided in Appendix E. [45CSR13, R13-3223, 4.2.1; 45CSR§21-40.3.a.2 (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

3.2.3. 45CSR27. The permittee shall implement and maintain a LDAR program for the applicable sources and emission points identified in Appendix E in order to reduce the emissions of TAP in accordance with the requirements of 40 C.F.R. 63, Subpart H – “National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks.” Compliance with 40 C.F.R. 63, Subpart H shall be considered demonstration of compliance with the provisions of 45CSR§27-4 – “Fugitive Emissions of Toxic Air Pollutants.”

Note: The Attachment A listing only for those sources in the Fluoropolymers Production Area is provided in Appendix E. [45CSR13, R13-3223, 4.2.2; 45CSR§27-4.1 (State-Enforceable only); 45CSR13, R13-1823, 4.1.25]

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

3.1.8. Risk Management Plan.

This stationary source, as defined in 40 C.F.R. § 68.3, is subject to Part 68. This stationary source shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. Part 68.10. This stationary source shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71. [40 C.F.R. 68]

3.1.9. Fugitives.

No person shall cause, suffer, allow or permit any manufacturing process or storage structure generating fugitive particulate matter to operate that is not equipped with a system, which may include, but not be limited to, process equipment design, control procedures, to minimize the emissions of fugitive particulate matter. To minimize means such system shall be installed, maintained and operated to ensure the lowest fugitive particulate matter emissions reasonably achievable. [45CSR§7-5.1.; 45CSR13, R13-2365, B.10; 45CSR13, R13-2391, B.8; 45CSR13, R13-1353, B.2; 45CSR13, R13-0815,B1]

3.1.10. Fugitives.

The owner or operator of a plant shall maintain particulate matter control of the plant premises and plant owned, leased or controlled access roads, by paving, application of asphalt, chemical dust suppressants or other suitable dust control measures. Good operating practices shall be implemented and when necessary particulate matter suppressants shall be applied in relation to stockpiling and general material handling to minimize particulate matter generation and atmospheric entrainment. [45CSR§7-5.1.; 45CSR13, R13-2365, B.10; 45CSR13, R13-2391, B.8; 45CSR13, R13-1353, B.2; 45CSR13, R13-0815,B1]

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.2.4. 45CSR21. In the event a source and associated emission point identified in Appendix E are subject to the MACT standards of 40 C.F.R. 63, then compliance with any applicable LDAR program set forth by the MACT and identified in the affected 45CSR13 permit shall demonstrate compliance with the monitoring requirements set forth in this permit.

Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E.

[45CSR13, R13-3223, 4.2.3; 45CSR§21-37.1.c (State-Enforceable only); 45CSR§27-4.1 (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

Testing Requirements

3.3.1. Stack testing. As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63, if applicable, in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable.

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

3.1.11. MACT Applicability Determination Records. An owner or operator of a facility that emits, or has the potential to emit, without considering control(s) one or more hazardous air pollutants who determines that the source is not subject to a relevant standard or other requirement established under this part, shall keep a record of the applicability determination as specified in §63.10(b)(3) of 40 C.F.R. 63 Subpart A. and 40 C.F.R. §63.1

3.1.12. Reserved

3.1.13. Reserved

3.1.14. Any stack serving any process source operation or air pollution control equipment on any process source operation shall contain flow straightening devices or a vertical run of sufficient length to establish patterns consistent with acceptable stack sampling procedures. [45CSR§7-9.1; 45CSR13, R13-2365, B.10; 45CSR13, R13-1953, 4.1.20; 45CSR13, R13-2391, B.8; 45CSR13, R13-1353, B.2; 45CSR13, R13-0815, B.1]

3.1.15. Due to unavoidable malfunction of equipment, emissions exceeding those set forth in 45CSR7 may be permitted by the Director for periods not to exceed ten (10) days upon specific application to the Director. Such application shall be made within twenty-four (24) hours of the malfunction. In cases of major equipment failure, additional time periods may be granted by the Director provided a corrective program has been submitted by the owner or operator and approved by the Director. [45CSR§7-9.1; 45CSR13, R13-2365, B.10; 45CSR13, R13-1953, 4.1.20; 45CSR13, R13-2391, B.8; 45CSR13, R13-1353, B.2; 45CSR13, R13-0815, B.1]

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit.

c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

d. The permittee shall submit a report of the results of the stack test within 60 days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:

1. The permit or rule evaluated, with the citation number and language.
2. The result of the test for each permit or rule condition.
3. A statement of compliance or non-compliance with each permit or rule condition.

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

3.1.16. 45CSR21. The permittee shall comply with all hourly and annual emission limits set forth by the affected 45CSR13 permits, for each of the sources and associated emission points identified in Attachment A of Permit R13-3223 (Appendix E of this Permit).

Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E.

[45CSR13, R13-3223, 4.1.1; 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

3.1.17. 45CSR21. The permitted sources identified in Appendix E and recognized as being subject to 45CSR21 shall comply with all applicable requirements of 45CSR21 – "Regulation to Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds" provided, however, that compliance with any more stringent requirements under the affected 45CSR13 permit identified in Appendix E, are also demonstrated.

The applicable requirements set forth by 45CSR21 shall include, but not be limited to, the following:

[45CSR13, R13-3223, 4.1.2; 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.3.2. 45CSR21. Manufacturing process units may be exempted upon written request of the permittee to the Director. Exempted units are exempted from the frequency of testing as described in 45CSR§21-37, however, LDAR testing of this unit or certification of emission using approved fugitive emission factors will be required every three years, or upon request by the Director or his duly authorized representative. Waiver or scheduling of LDAR testing every three years may be granted by the Director if written request and justification are submitted by the permittee. Units exempted from testing are not exempted from testing which may be required under any other applicable State or Federal regulations, orders, or permits. The Director may periodically require verification by the permittee that maintenance and repair procedures associated with approved exemptions are continued and practiced. [45CSR13, R13-3223, 4.3.1; 45CSR§21-40.3.a.2 (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

3.3.3. 45CSR21. In the event a source and associated emission point identified in Appendix E are subject to the MACT standards of 40 C.F.R. 63, then compliance with the applicable LDAR testing requirements set forth by the MACT and identified in the affected 45CSR13 permit shall demonstrate compliance with the LDAR testing requirements set forth in this permit.

Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E.

[45CSR13, R13-3223, 4.3.2; 45CSR§21-37.1.c (State-Enforceable only); 45CSR§27-4.1 (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

3.1.17.1. The permittee shall maintain the aggregated hourly and annual VOC control efficiency of 90% or greater, on a site-wide basis, for all existing sources listed or required to be listed as part of the original facility-wide Reasonably Available Control Measures (RACM) plan, as identified in Appendix E. [45CSR13, R13-3223, 4.1.2.1; 45CSR§21-40.3.a.1 (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

3.1.17.2. On or after May 1, 1996, construction or modification of any emission source resulting in a maximum theoretical emissions (MTE) of VOCs equaling or exceeding six (6) pounds per hour and not listed or required to be listed in the facility-wide RACM plan shall require the prior approval by the Director of an emission control plan that meets the definition of reasonable available control technology (RACT) on a case-by-case basis for both fugitive and non-fugitive VOC emissions from such source. All sources constructed or modified on or after May 1, 1996 shall be subject to the following: [45CSR13, R13-3223, 4.1.2.2; 45CSR§21-40.3.c (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

a. The RACT control plan(s) shall be embodied in a permit in accordance to 45CSR13. [45CSR13, R13-3223, 4.1.2.2.a; 45CSR§21-40.4.e (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.4. Recordkeeping Requirements

3.4.1. Monitoring information. The permittee shall keep records of monitoring information that include the following:

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

[45CSR§30-5.1.c.2.A.; 45CSR13, R13-3223, 4.4.1; 45CSR13, R13-1953, 4.4.1; 45CSR13, R13-1823, 4.4.1]

3.4.2. Retention of records. The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, records may be maintained in computerized form in lieu of the above records. [45CSR§30-5.1.c.2.B.]

3.4.3. Odors. For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken. [45CSR§30-5.1.c. State-Enforceable only.]

3.4.4. Fugitives. The permittee shall monitor all fugitive particulate emission sources as required by 3.1.9 to ensure that a system to minimize fugitive emissions has been installed or implemented. Records shall be maintained on site stating the types of fugitive particulate capture and/or suppression systems used, the times these systems were inoperable, and the corrective actions taken to repair these systems. [45CSR§30-5.1.c.; 45CSR13, R13-1953, 4.4.7]

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

b. The MTE and associated emission reductions of the constructed or modified source will not be calculated into the site-wide aggregate hourly and annual emissions reduction requirements set forth in Section 3.1.17.1. [45CSR13, R13-3223, 4.1.2.2.b; 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

3.1.17.3. If a modification to an existing source with current MTE below the threshold of six (6) pounds per hour of VOCs causes an increase in the MTE that results in the source exceeding the six (6) pounds per hour threshold for the first time, the source shall be subject to RACT in accordance to Section 3.1.17.2. [45CSR13, R13-3223, 4.1.2.3; 45CSR§21-40.3.c (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

3.1.17.4. Physical changes to or changes in the method of operation of an existing emission source listed or required to be listed as part of the facility-wide RACM plan, that results in an increase in VOC emissions of any amount, shall require the prior approval by the Director of an emission control plan that meets the definition of RACT on a case-by-case basis for both fugitive and non-fugitive VOC emissions from the source. All sources modified on or after May 1, 1996 shall be subject to the following: [45CSR13, R13-3223, 4.1.2.4; 45CSR§21-40.3.c (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.4.5. Fugitives. The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust control measures as required by 3.1.10 applied at the facility. [45CSR§30-5.1.c.; 45CSR13, R13-1953, 4.4.8]

3.4.6. Record of Malfunctions of Air Pollution Control Equipment. For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction. [45CSR13, R13-3223, 4.4.3; 45CSR13, R13-1823, 4.4.3; 45CSR13, R13-1953, 4.4.3]

3.4.7. 45CSR21. Unless granted a variance pursuant to 45CSR§21-9.3, or as approved by the Director as part of a required Start-up, Shutdown, and Malfunction (SSM) Plan mandated under 40 C.F.R. §63.6(e) or another applicable Section of 40 C.F.R. 63, the owner or operator of the facility shall operate all emission control equipment listed Appendix E as part of the facility-wide control efficiency plan at all times the facilities are in operation or VOC emissions are occurring from these sources or activities. In the event of a malfunction, and a variance has not been granted, the production unit shall be shutdown or the activity discontinued as expeditiously as possible. The permittee shall comply with 45CSR§21-9.3 with respect to all periods of non-compliance with the emission limitations set forth in the affected 45CSR13 permits and the emissions reduction requests set forth in the facility-wide control efficiency plan resulting from unavoidable malfunctions of equipment.

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

- a. The RACT control plan (s) shall be embodied in a permit in accordance to 45CSR13. [45CSR13, R13-3223, 4.1.2.4.a; 45CSR§21-40.4.e (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]
- b. The facility-wide RACM plan shall be modified to include the RACT analysis conducted on the modified source(s). [45CSR13, R13-3223, 4.1.2.4.b; 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]
- c. The MTE and associated emission reductions of the modified source shall be recalculated as part of the site-wide aggregate hourly and annual emissions reduction requirements to demonstrate compliance with the minimum 90% reduction rate as set forth in 3.1.17.1 of this permit. [45CSR13, R13-3223, 4.1.2.4.c; 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E. [45CSR13, R13-3223, 4.4.4; 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

3.4.8. 45CSR27. The permittee shall maintain records of the results of all monitoring and inspections, emission control measures applied, and the nature, timing, and results of repair efforts conducted in accordance to 45CSR§27-10 and set forth in the affected 45CSR13 permits as identified in Appendix E.

Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E. [45CSR13, R13-3223, 4.4.5; 45CSR13, R13-1823, 4.1.25]

3.4.9. Record of Maintenance of Air Pollution Control Equipment. For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures. [45CSR13, R13-1953, 4.4.2; 45CSR13, R13-1823, 4.4.2; 45CSR13, R13-3223, 4.4.2]

3.4.10. 40 C.F.R. 63, Subpart GGGGG. The permittee's site remediation activities are not subject to the requirements of 40 C.F.R. 63 Subpart GGGGG, except for the recordkeeping requirements in 3.4.10.2, provided that the permittee meets the requirements specified in paragraphs 3.4.10.1. through 3.4.10.2, and 40 C.F.R. §63.7881(c)(3).

3.4.10.1. The permittee determines that the total quantity of the HAP listed in Table 1 to 40 C.F.R. 63 Subpart GGGGG that is contained in the remediation material excavated, extracted, pumped, or otherwise removed during all of the site remediations conducted at your facility is less than 1 megagram (Mg) annually. This exemption applies the 1 Mg limit on a facility-wide, annual basis, and there is no restriction to the number of site remediations that can be conducted during this period.

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

3.1.17.5. In the event the facility-wide RACM plan is modified to delete an existing emission source, and any associated pollution control equipment, due to the source being permanently removed from service or reassigned to service not subject to the requirements of 45CSR§21-40, the MTE shall be recalculated to demonstrate that the 90% facility-wide VOC reduction requirement set forth in Section 3.1.17.1 is still being met. In the event such a modification results in the site-wide aggregate hourly and annual emissions reduction being recalculated to a rate less than 90%, the RACM plan shall be revised to include all new and/or modified sources and their associated control technologies constructed on or after May 1, 1996, in order to meet the requirements set forth in 3.1.17.1. [45CSR13, R13-3223, 4.1.2.5; 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

3.1.17.6. In the event a source and associated emission point identified in Appendix E is subject to the New Source Performance Standards (NSPS) of 40 C.F.R. 60, the National Emission Standards for Hazardous Air Pollutants (NESHAP) of 40 C.F.R. 61, or the Maximum Achievable Control Technology (MACT) standards of 40 C.F.R. 63, then compliance with such requirements as defined in the affected 45CSR13 permit shall demonstrate compliance with the RACT requirements set forth in R13-3223. [45CSR13, R13-3223, 4.1.2.6; 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E.

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.4.10.2. The permittee must prepare and maintain at the facility written documentation to support the determination that the total HAP quantity in the remediation materials for the year is less than 1 Mg. The documentation must include a description of the methodology and data used for determining the total HAP content of the remediation material. [45CSR34; 40 C.F.R. §63.7881(c)]

3.4.11. 40 C.F.R. 63, Subpart DDDDD. The permittee shall keep the records in a form suitable and readily available for expeditious review, according to §63.10(b)(1). Each record will be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record. Each record will be kept on site, or accessible from on site, for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. Records may be kept off site for the remaining 3 years [40 C.F.R. §§ 63.7560(a),(b),(c); 45 CSR 34 (T1CA, T1CB, T1CC, T1CD, T5HA, and T5HB)]

3.5. Reporting Requirements

3.5.1. Responsible official. Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. [45CSR§§30-4.4. and 5.1.c.3.D.]

3.5.2. A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3. pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31. [45CSR§30-5.1.c.3.E.]

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

3.1.18. 45CSR27. The permitted sources identified in Appendix E and recognized as being subject to 45CSR27 shall comply with all applicable requirements of 45CSR27 – “To Prevent and Control the Emissions of Toxic Air Pollutants” provided, however, that compliance with any more stringent requirements under the affected 45CSR13 permit identified in Appendix E are also demonstrated. The applicable requirements set forth by 45CSR27 shall include, but not be limited to, the following: [45CSR13, R13-3223, 4.1.3; 45CSR13, R13-1823, 4.1.25]

3.1.18.1. The permittee shall employ the best available technology (BAT) for the purpose of reducing toxic air pollutants (TAP) associated with the applicable sources and emission points identified in Appendix E. [45CSR13, R13-3223, 4.1.3.1; 45CSR§27-3.1 (State-Enforceable only); 45CSR13, R13-1823, 4.1.25]

3.1.18.2. The permittee shall employ BAT for the purpose of preventing and controlling fugitive emissions of TAP to the atmosphere as a result of routing leakage from those sources and their associated equipment identified in Appendix E as operating in TAP service. [45CSR13, R13-3223, 4.1.3.2; 45CSR§27-4.1 (State-Enforceable only); 45CSR13, R13-1823, 4.1.25]

Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E.

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.5.3. Except for the electronic submittal of the annual certification to the USEPA as required in 3.5.5 below, all notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, mailed first class or by private carrier with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:
 Director
 WVDEP
 Division of Air Quality
 601 57th Street SE
 Charleston, WV 25304
 Phone: 304/926-0475
 FAX: 304/926-0478

If to the US EPA:
 Associate Director
 Office of Air Enforcement and Compliance
 Assistance (3AP20)
 U. S. Environmental Protection Agency
 Region III
 1650 Arch Street
 Philadelphia, PA 19103-2029

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

3.1.19. 45CSR27. In the event a source and associated emission point identified in Appendix E are subject to the MACT standards of 40 C.F.R. 63, then compliance with the applicable MACT requirements identified in the affected 45CSR13 permit shall demonstrate compliance with the BAT requirements set forth in 3.1.18.

Note: For the Fluoropolymer Production Area, the affected permits are R13-2365, R13-1953, R13-2391, R13-1823, R13-1353, and R13-0815, and the Attachment A listing only for those sources in the Fluoropolymer Production Area is provided in Appendix E.

[45CSR13, R13-3223, 4.1.4; 45CSR§27-3.1 (State-Enforceable only); 45CSR13, R13-1823, 4.1.25]

3.1.20. Reserved.

3.1.21. Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Appendix E and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary. [45CSR13, R13-3223, 4.1.5; 45CSR13, R13-1953, 4.1.23; 45CSR13, R13-1823, 4.1.26]

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.5.4. Certified emissions statement. The permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. [45CSR§30-8.]

3.5.5. Compliance certification. The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The annual certification to the USEPA shall be submitted in electronic format only. It shall be submitted by e-mail to the following address:

R3_APD_Permits@epa.gov. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification. [45CSR§30-5.3.e.]

3.5.6. Semi-annual monitoring reports. The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4. [45CSR§30-5.1.c.3.A.]

3.5.7. Emergencies. For reporting emergency situations, refer to Section 2.17 of this permit.

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

3.1.22 - The Permittee shall not purchase, manufacture, store, or use Ammonium Perfluorooctanoate (APFO) for commercial or non-analytical purposes within the Chemours Washington Works Facility. The facility may purchase, store, or use APFO for compliance or analytical investigative purposes at the Washington Works facility. [45CSR13, R13 - 2365, A.4; 45CSR13, R13 - 1953, Condition 4.1.5; 45CSR13, R13 - 1823, Condition 4.1.3; 45CSR13, R13 - 1353, Condition A.7; 45CSR13, R13 - 0815, Condition A.6.]

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.5.8. Deviations.

a. In addition to monitoring reports required by this permit, the permittee shall promptly submit supplemental reports and notices in accordance with the following:

1. Any deviation resulting from an emergency or upset condition, as defined in 45CSR§30-5.7., shall be reported by telephone or telefax within one (1) working day of the date on which the permittee becomes aware of the deviation, if the permittee desires to assert the affirmative defense in accordance with 45CSR§30-5.7. A written report of such deviation, which shall include the probable cause of such deviations, and any corrective actions or preventative measures taken, shall be submitted and certified by a responsible official within ten (10) days of the deviation.

2. Any deviation that poses an imminent and substantial danger to public health, safety, or the environment shall be reported to the Secretary immediately by telephone or telefax. A written report of such deviation, which shall include the probable cause of such deviation, and any corrective actions or preventative measures taken, shall be submitted by the responsible official within ten (10) days of the deviation.

3. Deviations for which more frequent reporting is required under this permit shall be reported on the more frequent basis.

4. All reports of deviations shall identify the probable cause of the deviation and any corrective actions or preventative measures taken. [45CSR§30-5.1.c.3.C.]

b. The permittee shall, in the reporting of deviations from permit requirements, including those attributable to upset conditions as defined in this permit, report the probable cause of such deviations and any corrective actions or preventive measures taken in accordance with any rules of the Secretary. [45CSR§30-5.1.c.3.B.]

3.5.9. New applicable requirements. If any applicable requirement is promulgated during the term of this permit, the permittee will meet such requirements on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement. [45CSR§30-4.3.h.1.B.]

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

3.5.10. 45CSR21. The permittee shall submit to the DAQ a plan for complete, facility-wide implementation of RACT requirements within one hundred eighty (180) days of notification by the Director that a violation of the National Ambient Air Quality Standards (NAAQS) for ozone (that were in effect on or before May 1, 1996) has occurred. Such plan shall include those sources listed in Appendix E as part of the site-wide control efficiency requirement and may contain an update of existing RACT analyses. Full implementation of such plan shall be completed within two (2) years of approval of the RACT plan by the Director.

Note: The Attachment A listing only for those sources in the Fluoropolymers Production Area is provided in Appendix E. [45CSR13, R13-3223, 4.5.1; 45CSR§40.4.c.1 (State-Enforceable only); 45CSR13, R13-2365, B.8; 45CSR13, R13-1953, 4.1.21; 45CSR13, R13-2391, B.6; 45CSR13, R13-1823, 4.1.24; 45CSR13, R13-1353, B.7; 45CSR13, R13-0815, B.2]

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

Section 3: Facility-Wide Emissions

| 23. Facility-Wide Emissions Summary [Tons per Year] | |
|--|---------------------|
| Criteria Pollutants | Potential Emissions |
| Carbon Monoxide (CO) | 9.893 |
| Nitrogen Oxides (NO _x) | 12.5747 |
| Lead (Pb) | |
| Particulate Matter (PM _{2.5}) ¹ | |
| Particulate Matter (PM ₁₀) ¹ | 6.6788 |
| Total Particulate Matter (TSP) | 6.9462 |
| Sulfur Dioxide (SO ₂) | 0.08 |
| Volatile Organic Compounds (VOC) | 44.3032 |
| Hazardous Air Pollutants ² | Potential Emissions |
| Hydrogen Chloride | 0.92185 |
| Acetonitrile | 0.005 |
| Methanol | 0.83538 |
| Toluene | 0.003 |
| Hydrogen Fluoride | 1.500 |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions |
| Ozone Depleting Compounds (ODC) | 4.204 |
| | |
| | |
| | |

¹PM_{2.5} and PM₁₀ are components of TSP.
²For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.

Section 4: Insignificant Activities

| 24. Insignificant Activities (Check all that apply) | |
|--|--|
| <input checked="" type="checkbox"/> | 1. Air compressors and pneumatically operated equipment, including hand tools. |
| <input checked="" type="checkbox"/> | 2. Air contaminant detectors or recorders, combustion controllers or shutoffs. |
| <input checked="" type="checkbox"/> | 3. Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment. |
| <input checked="" type="checkbox"/> | 4. Bathroom/toilet vent emissions. |
| <input checked="" type="checkbox"/> | 5. Batteries and battery charging stations, except at battery manufacturing plants. |
| <input checked="" type="checkbox"/> | 6. Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description. |
| <input type="checkbox"/> | 7. Blacksmith forges. |
| <input checked="" type="checkbox"/> | 8. Boiler water treatment operations, not including cooling towers. |
| <input checked="" type="checkbox"/> | 9. Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source. |
| <input type="checkbox"/> | 10. CO ₂ lasers, used only on metals and other materials which do not emit HAP in the process. |
| <input checked="" type="checkbox"/> | 11. Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources. |
| <input checked="" type="checkbox"/> | 12. Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel. |
| <input checked="" type="checkbox"/> | 13. Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment. |
| <input checked="" type="checkbox"/> | 14. Demineralized water tanks and demineralizer vents. |
| <input type="checkbox"/> | 15. Drop hammers or hydraulic presses for forging or metalworking. |
| <input checked="" type="checkbox"/> | 16. Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam. |
| <input type="checkbox"/> | 17. Emergency (backup) electrical generators at residential locations. |
| <input type="checkbox"/> | 18. Emergency road flares. |
| <input type="checkbox"/> | 19. Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO _x , SO ₂ , VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units. Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis: |

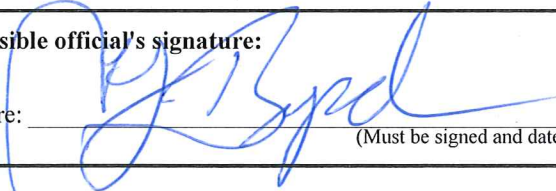
| 24. Insignificant Activities (Check all that apply) | |
|--|---|
| <input type="checkbox"/> | 20. Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27. Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis: |
| <input type="checkbox"/> | 21. Environmental chambers not using hazardous air pollutant (HAP) gases. |
| <input checked="" type="checkbox"/> | 22. Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption. |
| <input type="checkbox"/> | 23. Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment. |
| <input checked="" type="checkbox"/> | 24. Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis. |
| <input checked="" type="checkbox"/> | 25. Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP. |
| <input checked="" type="checkbox"/> | 26. Fire suppression systems. |
| <input type="checkbox"/> | 27. Firefighting equipment and the equipment used to train firefighters. |
| <input type="checkbox"/> | 28. Flares used solely to indicate danger to the public. |
| <input checked="" type="checkbox"/> | 29. Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted. |
| <input type="checkbox"/> | 30. Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation. |
| <input checked="" type="checkbox"/> | 31. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic. |
| <input checked="" type="checkbox"/> | 32. Humidity chambers. |
| <input type="checkbox"/> | 33. Hydraulic and hydrostatic testing equipment. |
| <input type="checkbox"/> | 34. Indoor or outdoor kerosene heaters. |
| <input type="checkbox"/> | 35. Internal combustion engines used for landscaping purposes. |
| <input type="checkbox"/> | 36. Laser trimmers using dust collection to prevent fugitive emissions. |
| <input type="checkbox"/> | 37. Laundry activities, except for dry-cleaning and steam boilers. |
| <input checked="" type="checkbox"/> | 38. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities. |
| <input checked="" type="checkbox"/> | 39. Oxygen scavenging (de-aeration) of water. |
| <input type="checkbox"/> | 40. Ozone generators. |

| 24. Insignificant Activities (Check all that apply) | |
|--|--|
| <input checked="" type="checkbox"/> | 41. Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.) |
| <input checked="" type="checkbox"/> | 42. Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device. |
| <input checked="" type="checkbox"/> | 43. Process water filtration systems and demineralizers. |
| <input checked="" type="checkbox"/> | 44. Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification. |
| <input checked="" type="checkbox"/> | 45. Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified. |
| <input checked="" type="checkbox"/> | 46. Routing calibration and maintenance of laboratory equipment or other analytical instruments. |
| <input checked="" type="checkbox"/> | 47. Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers. |
| <input type="checkbox"/> | 48. Shock chambers. |
| <input type="checkbox"/> | 49. Solar simulators. |
| <input checked="" type="checkbox"/> | 50. Space heaters operating by direct heat transfer. |
| <input checked="" type="checkbox"/> | 51. Steam cleaning operations. |
| <input checked="" type="checkbox"/> | 52. Steam leaks. |
| <input type="checkbox"/> | 53. Steam sterilizers. |
| <input checked="" type="checkbox"/> | 54. Steam vents and safety relief valves. |
| <input checked="" type="checkbox"/> | 55. Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized. |
| <input checked="" type="checkbox"/> | 56. Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list. |
| <input type="checkbox"/> | 57. Such other sources or activities as the Director may determine. |
| <input type="checkbox"/> | 58. Tobacco smoking rooms and areas. |
| <input checked="" type="checkbox"/> | 59. Vents from continuous emissions monitors and other analyzers. |

Section 5: Emission Units, Control Devices, and Emission Points

| |
|---|
| 25. Equipment Table |
| Fill out the Title V Equipment Table and provide it as ATTACHMENT D . |
| 26. Emission Units |
| For each emission unit listed in the Title V Equipment Table , fill out and provide an Emission Unit Form as ATTACHMENT E . |
| For each emission unit not in compliance with an applicable requirement, fill out a Schedule of Compliance Form as ATTACHMENT F . |
| 27. Control Devices |
| For each control device listed in the Title V Equipment Table , fill out and provide an Air Pollution Control Device Form as ATTACHMENT G . |
| For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the Compliance Assurance Monitoring (CAM) Form(s) for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as ATTACHMENT H . |

Section 6: Certification of Information

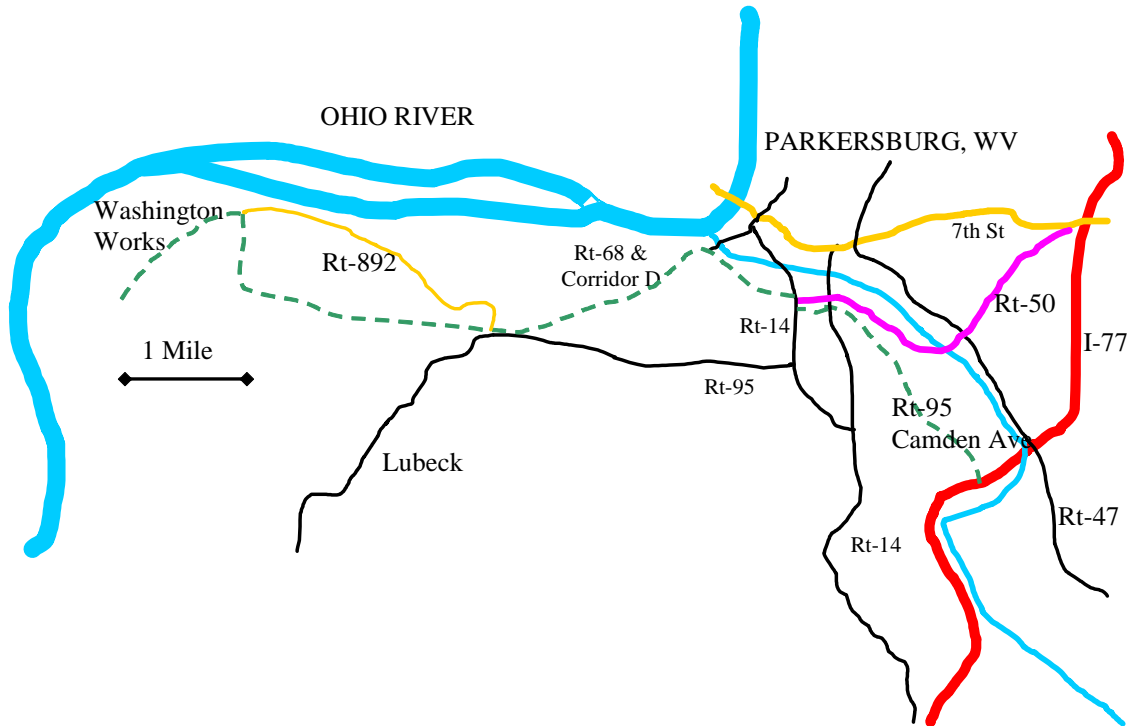
| | |
|---|-----------------------------------|
| 28. Certification of Truth, Accuracy and Completeness and Certification of Compliance | |
| <i>Note: This Certification must be signed by a responsible official. The original, signed in blue ink, must be submitted with the application. Applications without an original signed certification will be considered as incomplete.</i> | |
| a. Certification of Truth, Accuracy and Completeness | |
| I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment. | |
| b. Compliance Certification | |
| Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements. | |
| Responsible official (type or print) | |
| Name: Timothy L. Byrd | Title: Plant Manager |
| Responsible official's signature: | |
| Signature:  | Signature Date: <u>10/01/2020</u> |
| <small>(Must be signed and dated in blue ink)</small> | |

| | |
|---|---|
| Note: Please check all applicable attachments included with this permit application: | |
| <input checked="" type="checkbox"/> | ATTACHMENT A: Area Map |
| <input checked="" type="checkbox"/> | ATTACHMENT B: Plot Plan(s) |
| <input checked="" type="checkbox"/> | ATTACHMENT C: Process Flow Diagram(s) |
| <input checked="" type="checkbox"/> | ATTACHMENT D: Equipment Table |
| <input checked="" type="checkbox"/> | ATTACHMENT E: Emission Unit Form(s) |
| <input type="checkbox"/> | ATTACHMENT F: Schedule of Compliance Form(s) |
| <input checked="" type="checkbox"/> | ATTACHMENT G: Air Pollution Control Device Form(s) |
| <input checked="" type="checkbox"/> | ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s) |

All of the required forms and additional information can be found and downloaded from, the DEP website at www.dep.wv.gov/dag, requested by phone (304) 926-0475, and/or obtained through the mail.

Attachment A - Map to Facility

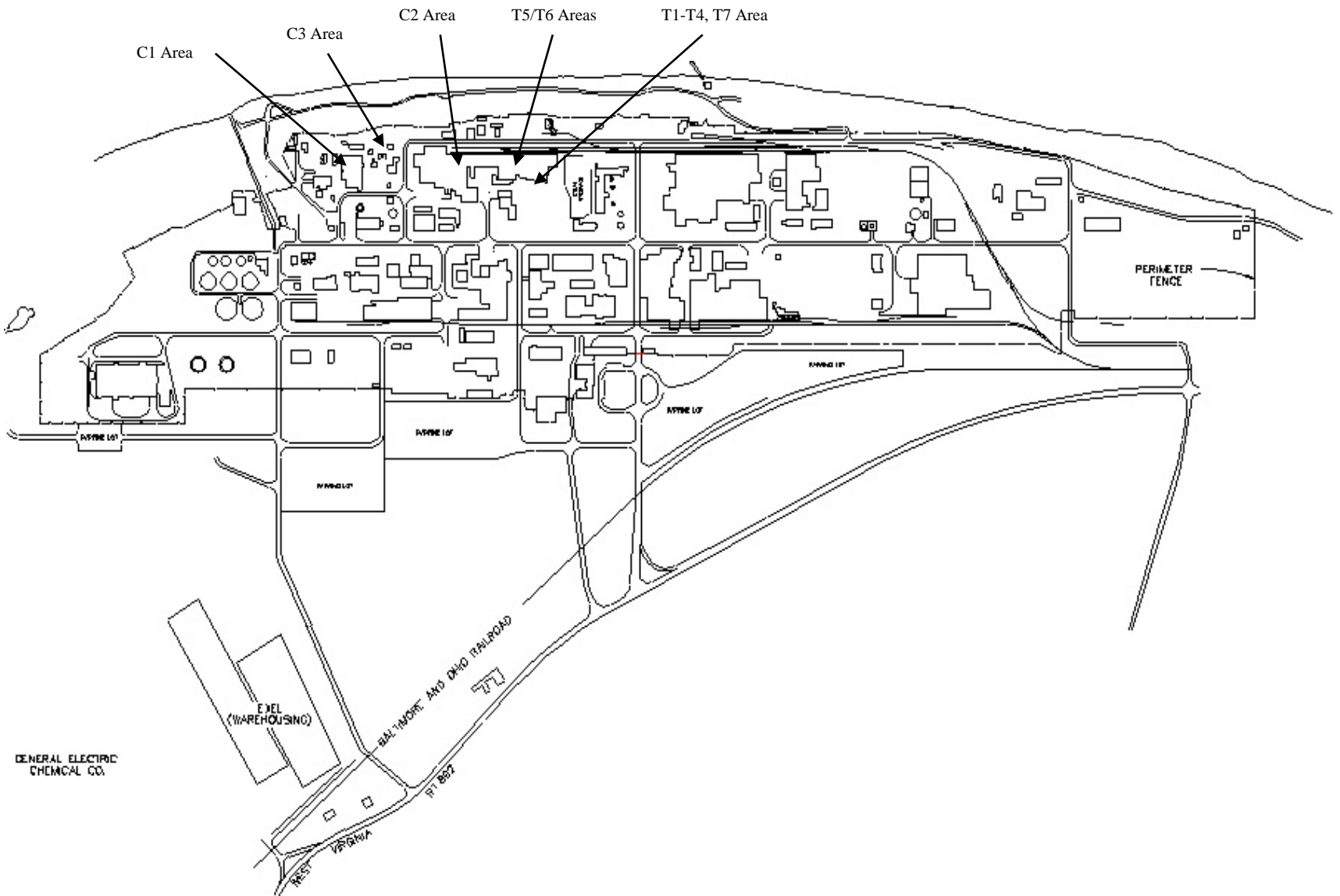
Attachment A – Area Map

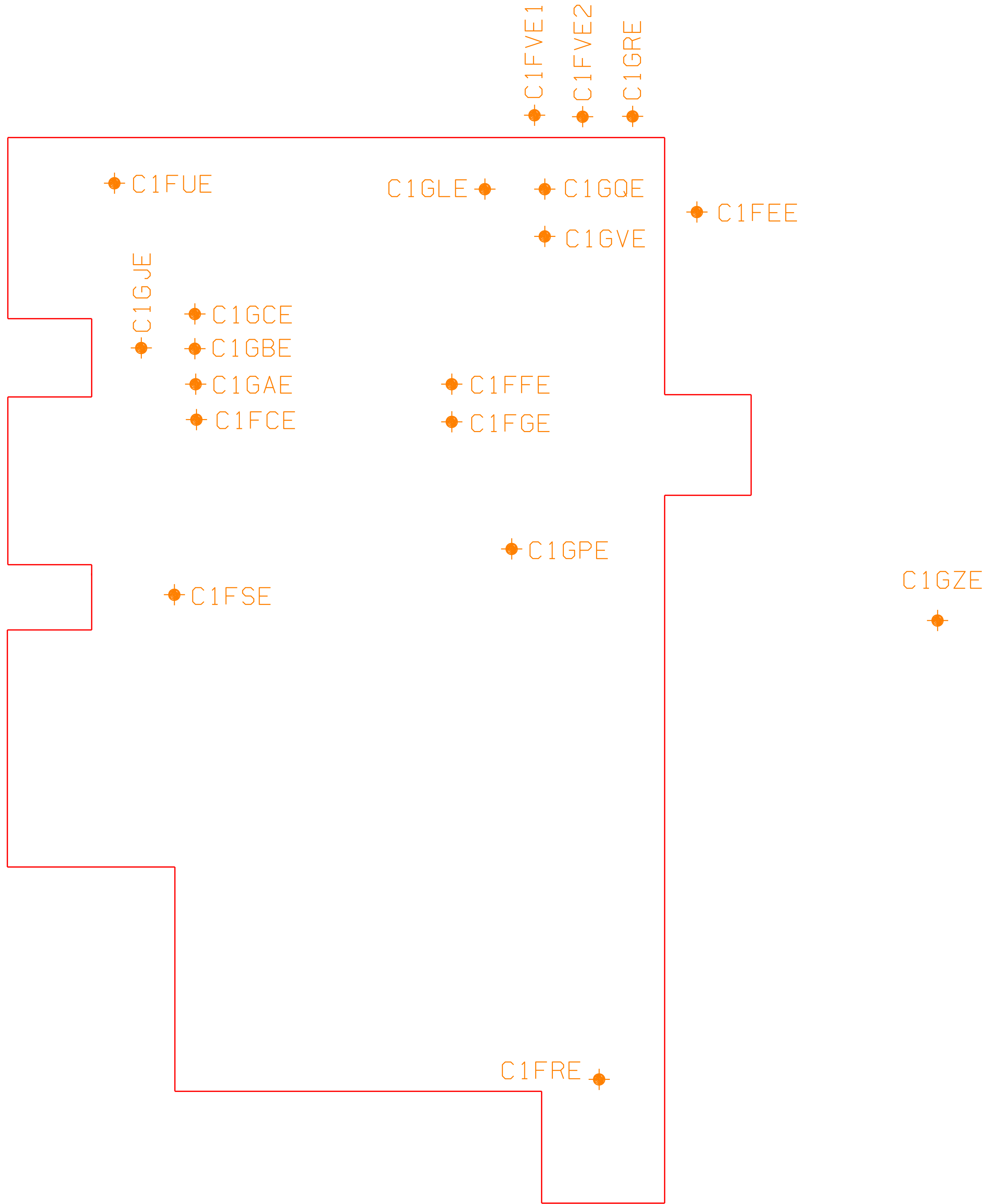
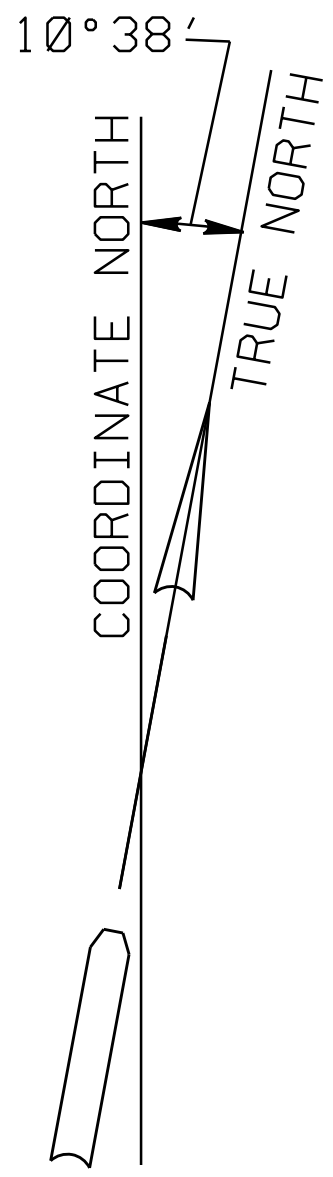


From Interstate 77, take exit for Rt-95/Camden Avenue.
Proceed west until intersection with Rt-14 then turn right (north).
After about 1/4 mile turn left onto Corridor D Bypass entrance.
Follow the bypass to the exit just before the bridge.
Turn left (south) onto DuPont Rd, Rt-892.
Proceed approx. 1 mile to facility on right.

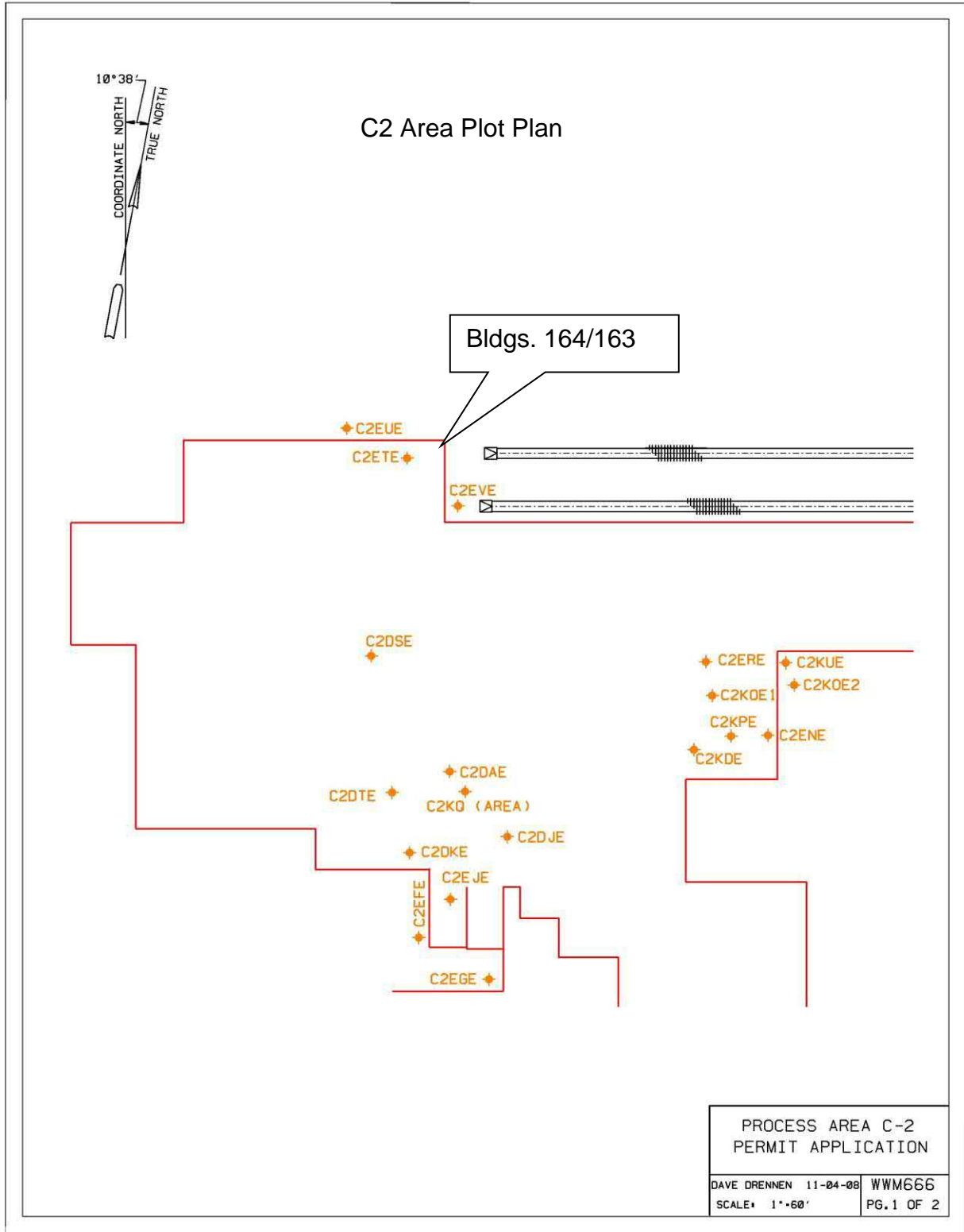
Attachment B - Facility Map and Plot Plan of Permitted Areas

Chemours - Washington Works Teflon® Production Areas

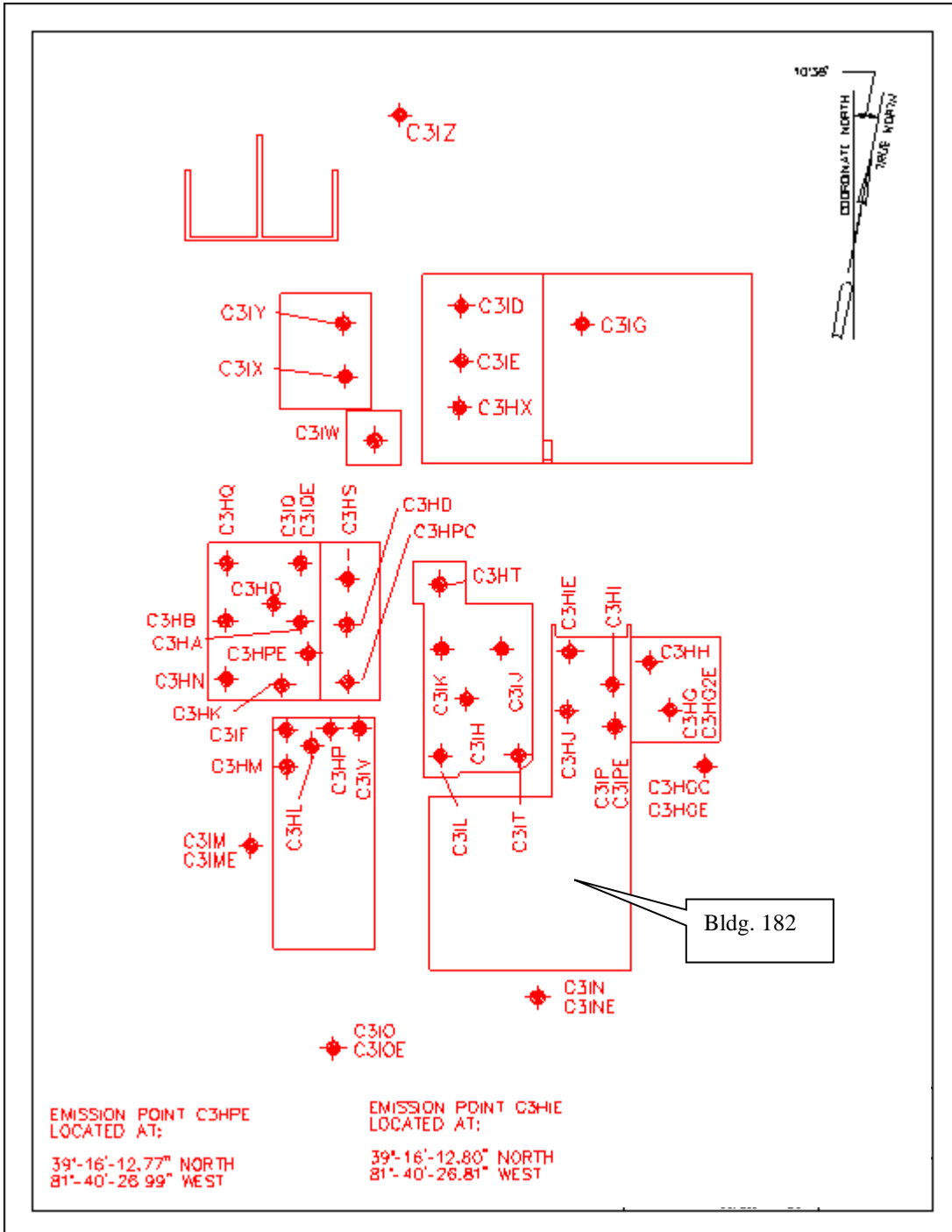




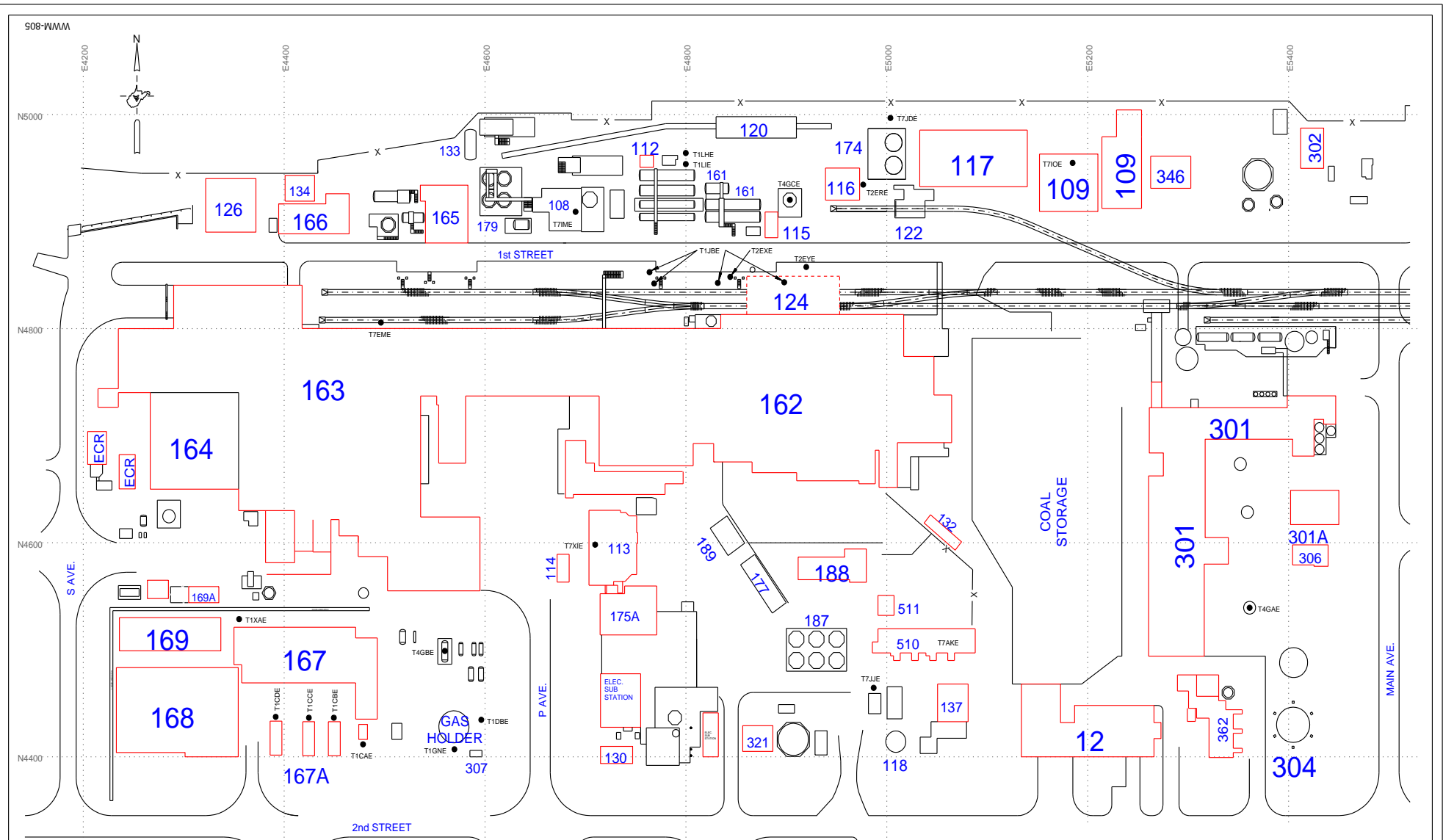
| | |
|---|--------|
| PROCESS AREA C-1 PERMIT APPLICATION | |
| DAVE DRENNEN 9-29-04 SCALE: 1" = 30' | WWM666 |



C3 Area Plot Plan



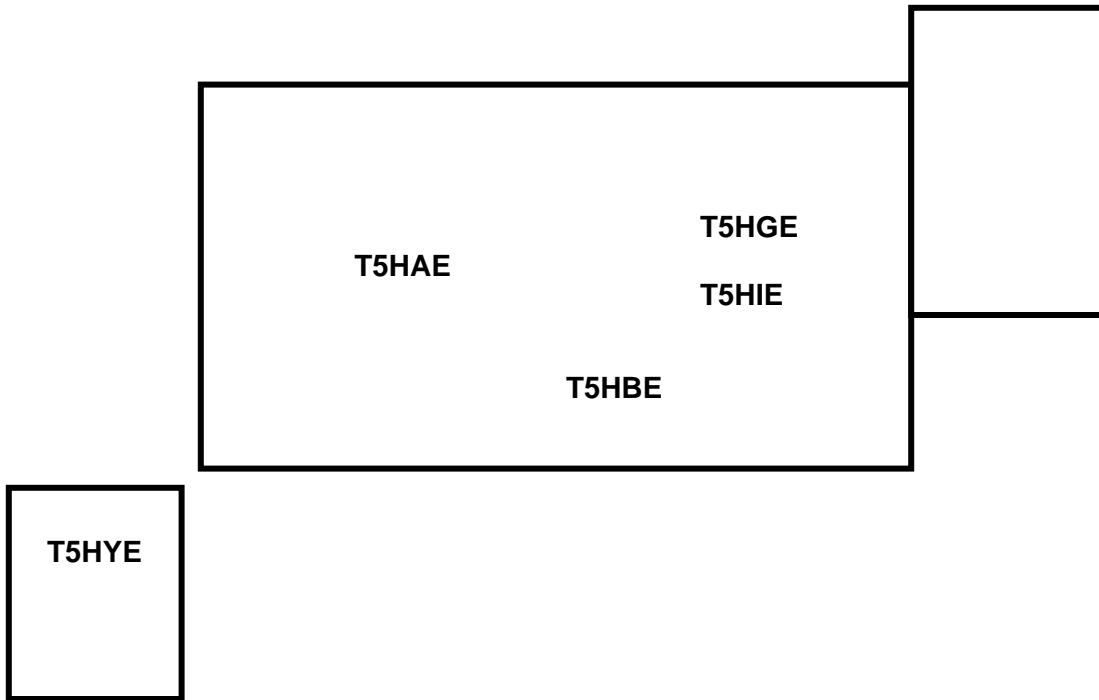
T1-T4, T7 Area Plot Plan



| | | | |
|---|----------|--|-----------|
| <p>E. I. DUPONT DE NEMOURS WASHINGTON WORKS WOOD CO. WEST VIRGINIA MONOMER AREA PERMIT EMISSION POINT LOCATIONS</p> | | <p><small>This document was prepared by E. I. DUPONT DE NEMOURS & CO. The information contained herein is confidential and its disclosure to third parties without the written permission of Dupont is prohibited. Dupont is not responsible for any errors or omissions in this document. Small scale of letters to this sheet.</small></p> | |
| SCALE | DATE | DESIGNED BY | DWG. NO. |
| CONTRACT NO. | DATE | DESIGNED BY | DWG. NO. |
| PROJECT NO. | DATE | DESIGNED BY | DWG. NO. |
| PROJECT NO. | DATE | DESIGNED BY | DWG. NO. |
| ELEC. CODE CLASS | REV. NO. | PER. NUMBER | PROJ. NO. |
| WASHINGTON WORKS | | 01 | |
| WW M-805 | | AR | |

T5 Area Plot Plan

Bldg. 164



T5 Area Plot Plan (cont.) Bldg. 162



| | | | | | | |
|--------------|--------------|--------------|--|--|-------------------------------|-------------------------------|
| T5HTE | T5HUE | T5HVE | | | T5HDE T5HDE2 | T5HCE T5HCE2 |
| | | | | | T5HXE T5RAE | T5HWE T5RAE |

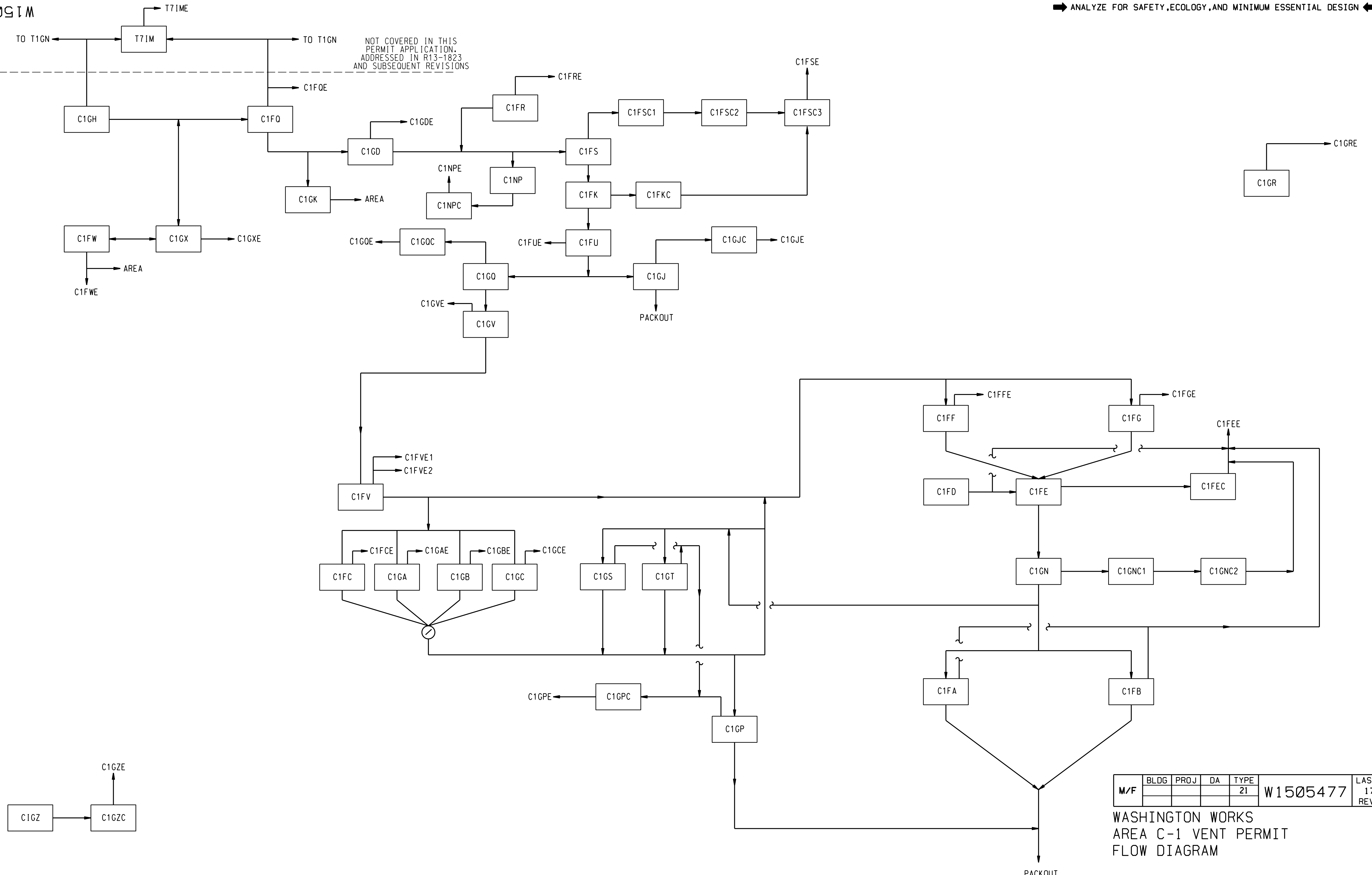
**T5HNE – In
shed, west of
barricade
area**

Attachment C - Facility Process Flow Diagrams

W1505477

ANALYZE FOR SAFETY, ECOLOGY, AND MINIMUM ESSENTIAL DESIGN

NOT COVERED IN THIS PERMIT APPLICATION. ADDRESSED IN R13-1823 AND SUBSEQUENT REVISIONS



| | | | | | | |
|-----|------|------|----|------|----------|-------------------|
| M/F | BLDG | PROJ | DA | TYPE | W1505477 | LAST 17 REV |
|-----|------|------|----|------|----------|-------------------|

WASHINGTON WORKS
AREA C-1 VENT PERMIT
FLOW DIAGRAM

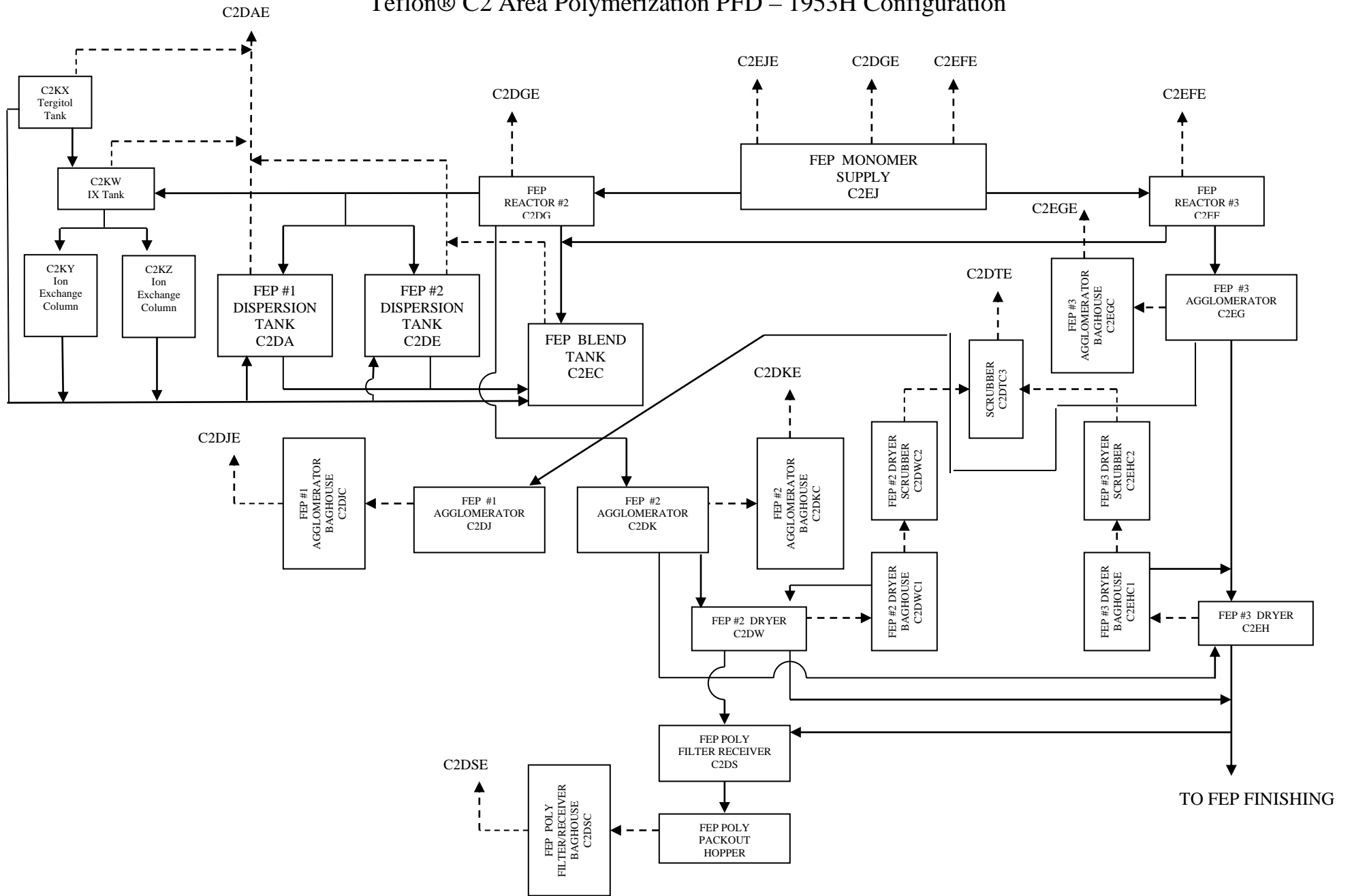
PAGE ____ OF ____

| PROJ NO | REVISION | RVSD | CHKD | APPD | DATE | PROJ NO | REVISION | RVSD | CHKD | APPD | DATE | PROJ NO | REVISION | RVSD | CHKD | APPD | DATE | STANDARDS | REFERENCE DRAWINGS | PROJECT | SCALE | DATE | | |
|---------|----------|------|------|------|------|---------|----------|--|------|------|------|----------|----------|---|------|------|------|-----------|--------------------|---------|-------|----------|----------------|---------|
| | | | | | | | 11 | DELETE C1CA, C1CB, C1CC, C1CD, C1CE AND C1CF | CTK | CTK | ME | 01-19-04 | | | | | | | | | | NONE | | |
| | | | | | | | 12 | REMOVED C1FKE | DLD | DLD | ME | 9-29-04 | 2 | WAS T41MC; DEL. T41ME | CTK | CTK | ME | 12-13-00 | | | | DRAWN | TODD R. WRIGHT | 11/6/00 |
| | | | | | | | 13 | DELETED C1GG, C1GH, C1CH & C1CH | CTK | CTK | ME | 12-05-14 | | | | | | | | | | CHECKED | T. ESCALANTE | 11/6/00 |
| | | | | | | | 14 | DELETED C1GY & C1GYE | CTK | CTK | ME | 12-05-14 | 4 | ADD C1FD, C1MD, C1CG | CTK | CTK | ME | 02-26-01 | | | | APPROVED | MIKE EVANS | 11/6/00 |
| | | | | | | | 15 | ADDED C1NP, C1NPC & C1NPE | CTK | CTK | ME | 12-05-14 | 5 | ADD APPLICATION NUMBER | CTK | CTK | ME | 03-28-01 | | | | DESIGN | | |
| | | | | | | | 16 | ADDED C1GU, C1GUC & C1GUE | CTK | CTK | ME | 02-03-15 | 6 | REVISE VENT CALLOUTS | CTK | CTK | ME | 06-05-01 | | | | CONSTR. | | |
| | | | | | | | 17 | WAS C1GU, C1GUC & C1GUE | CTK | CTK | C.JL | 04-20-15 | 7 | DELETE C1GL & C1GLC | CTK | CTK | ME | 11-06-01 | | | | APPROVED | | |
| | | | | | | | | | | | | | 8 | DELETE C1MA, C1MB, C1MC, C1ME, C1MC AND C1FE | CTK | CTK | ME | 04-28-03 | | | | | | |
| | | | | | | | | | | | | | 9 | DELETE C1MD, C1ME, C1CI AND C1CIC | CTK | CTK | ME | 08-15-03 | | | | | | |
| | | | | | | | | | | | | | 10 | ADD C1FSC3; MOVE C1FSE; MODIFY C1GT AND REVISE NOTE | CTK | CTK | ME | 01-19-04 | | | | | | |

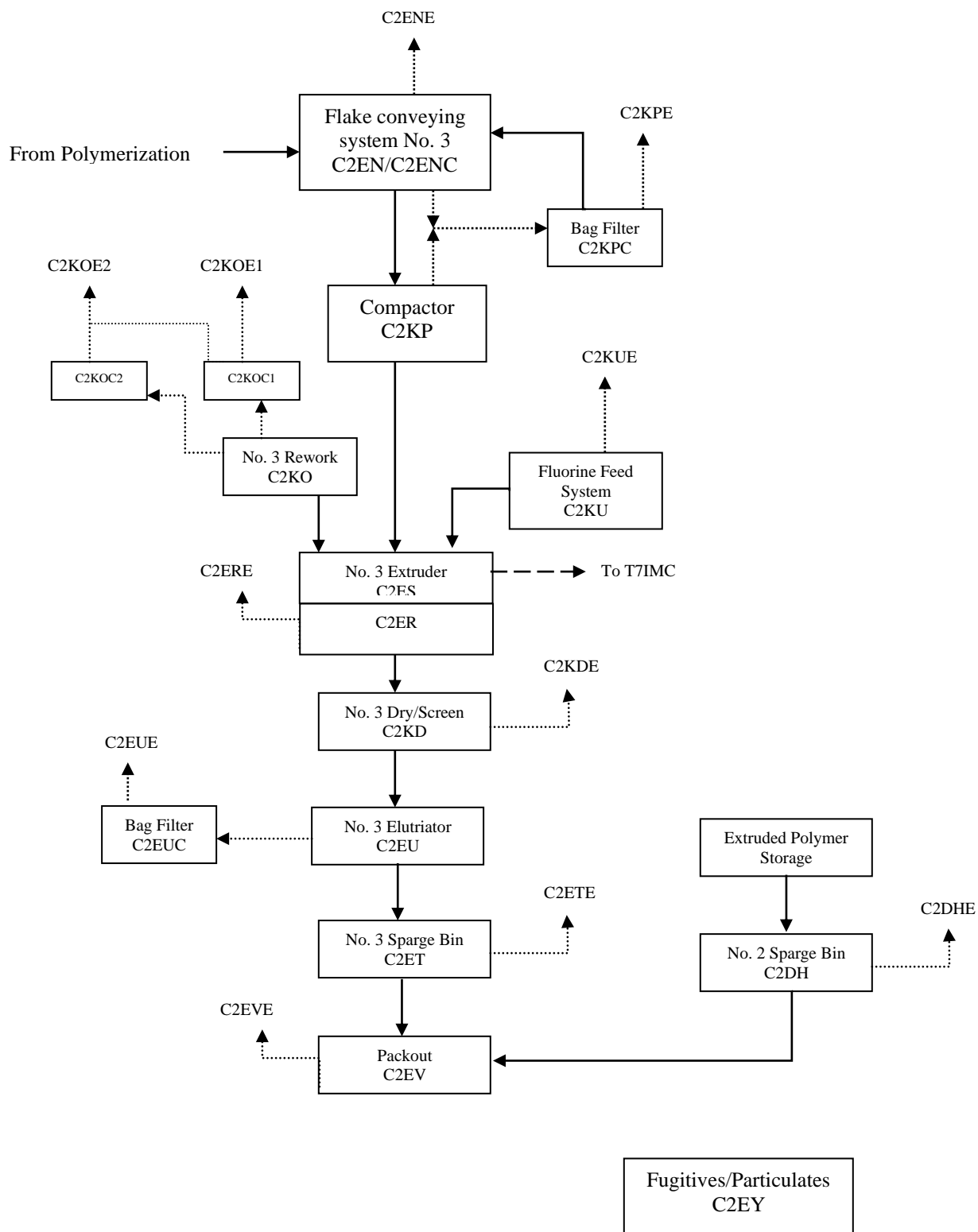
THIS DRAWING HAS BEEN FURNISHED BY E.I. DU PONT DE NEMOURS & CO. THE INFORMATION AND KNOW-HOW THEREON MAY NOT BE USED NOR THE DRAWING REPRODUCED WITHOUT THE WRITTEN PERMISSION OF DU PONT. ALL REPRODUCTIONS IN WHOLE OR IN PART, INCLUDING VENDOR'S SHOP DRAWINGS, SHALL BEAR OR REFER TO THIS STAMP.

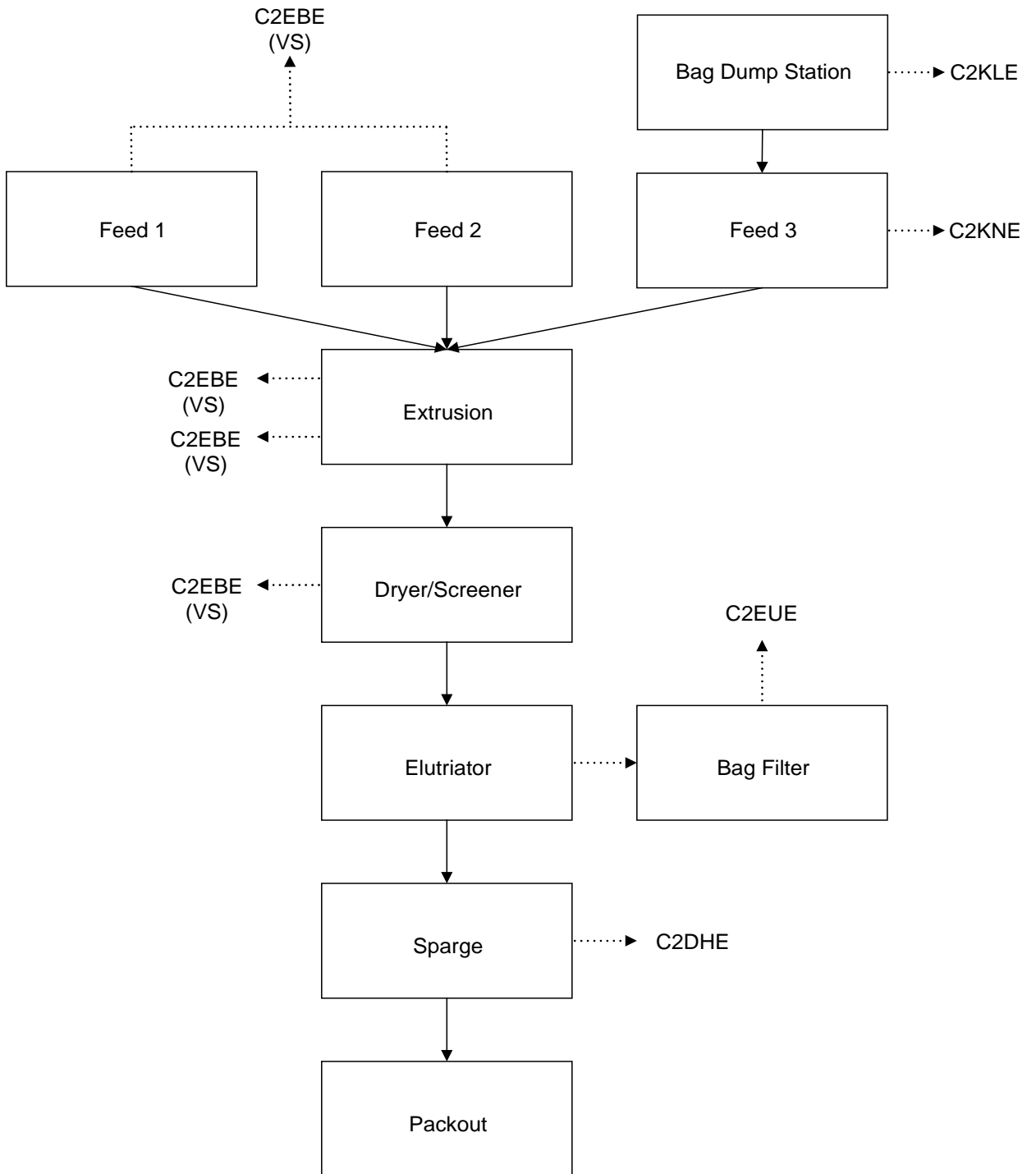
E.I. DU PONT DE NEMOURS & CO., INC.
WILMINGTON, DELAWARE
DUPONT ENGINEERING
W1505477

Teflon® C2 Area Polymerization PFD – 1953H Configuration

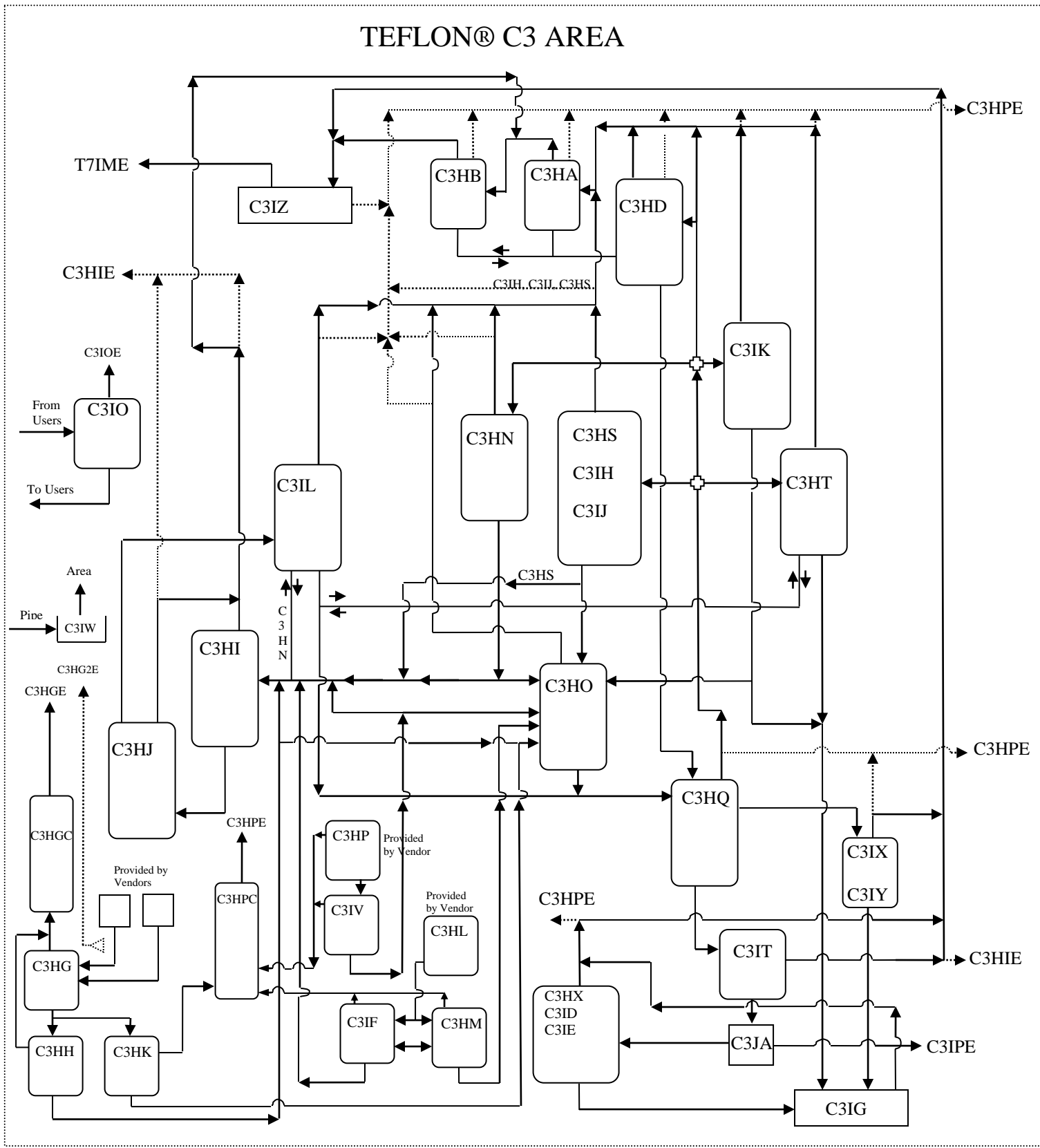


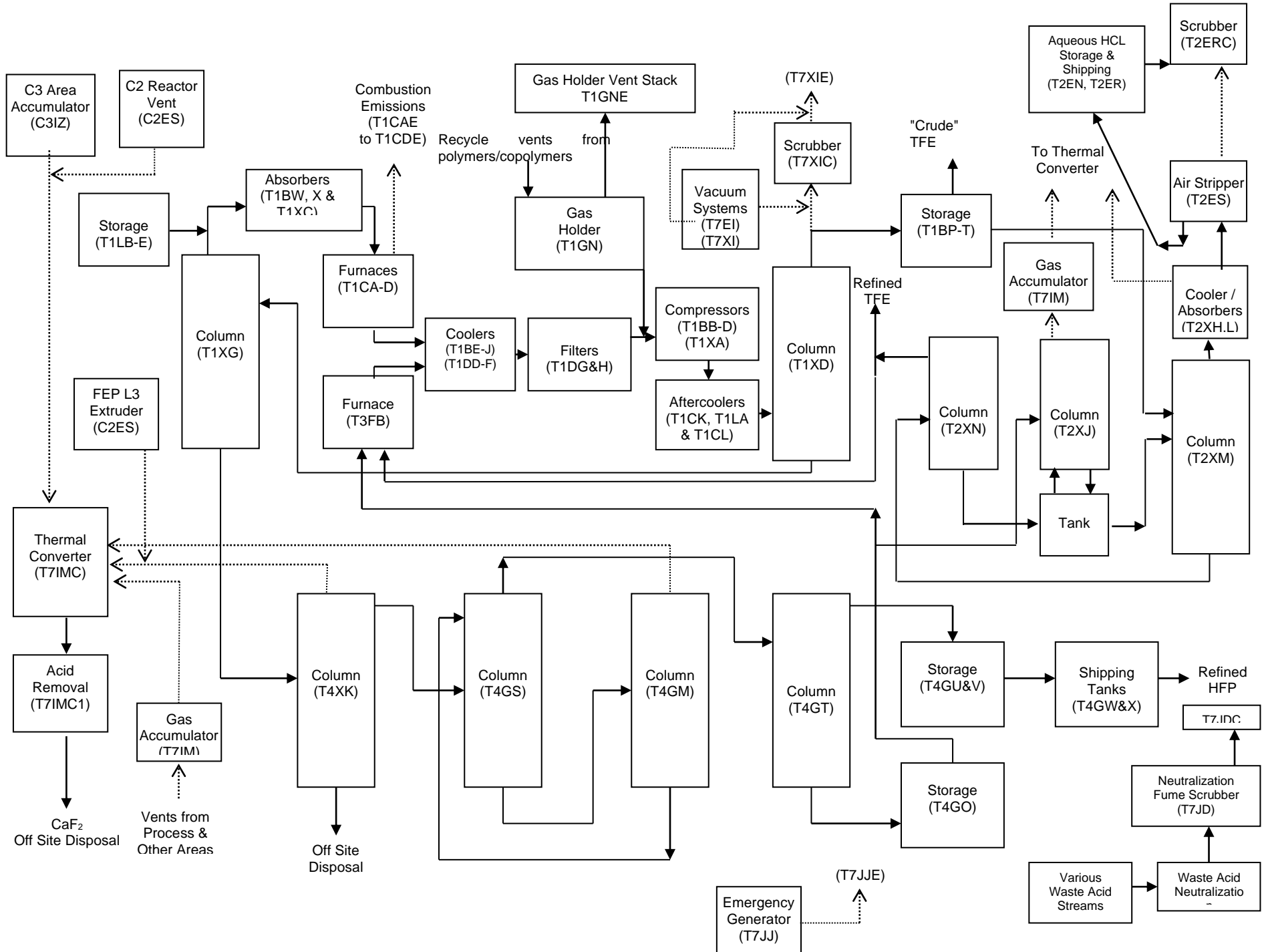
Teflon® C2 Area Finishing PFD – 1953H



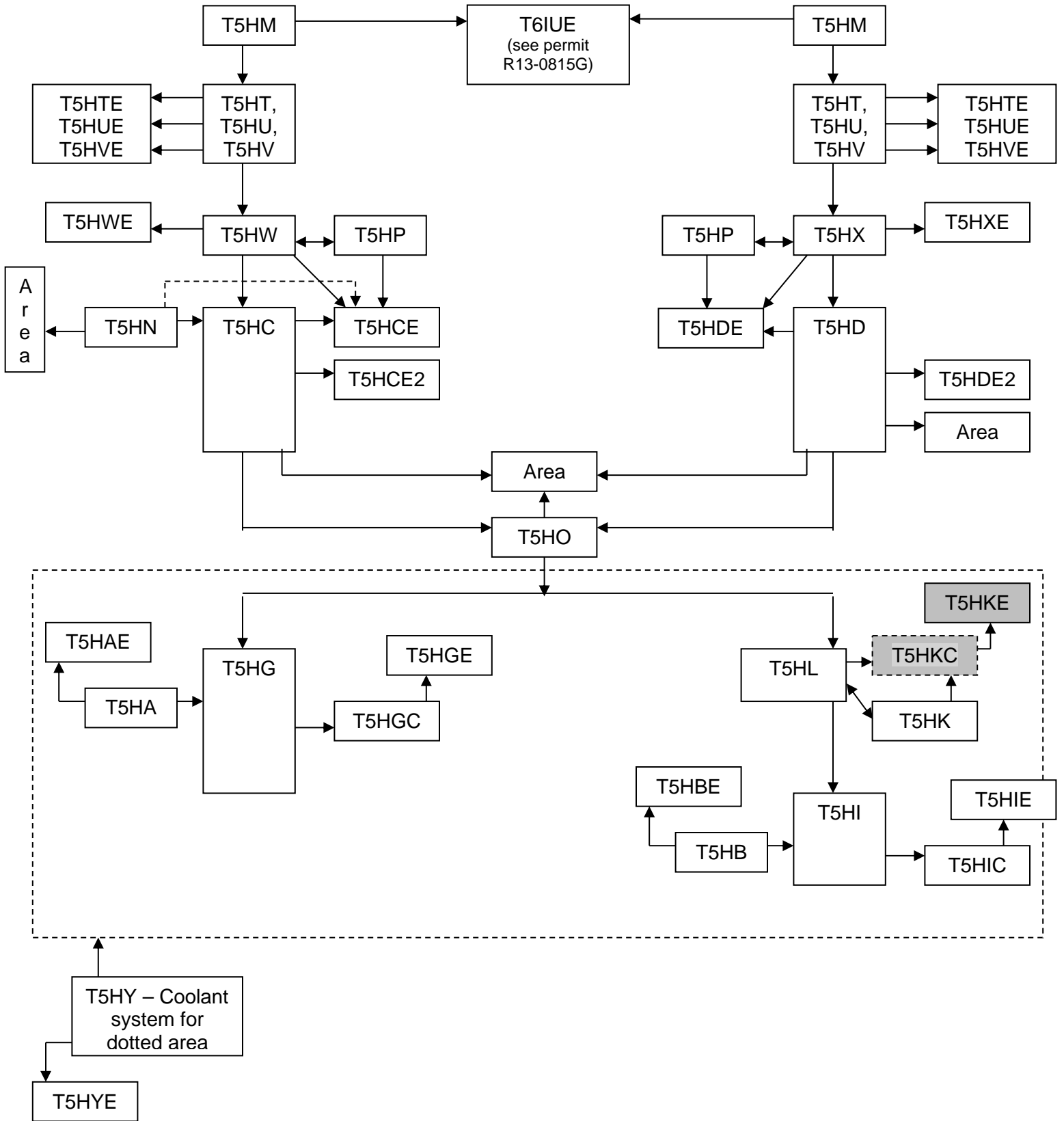


(VS) = Virtual Stack

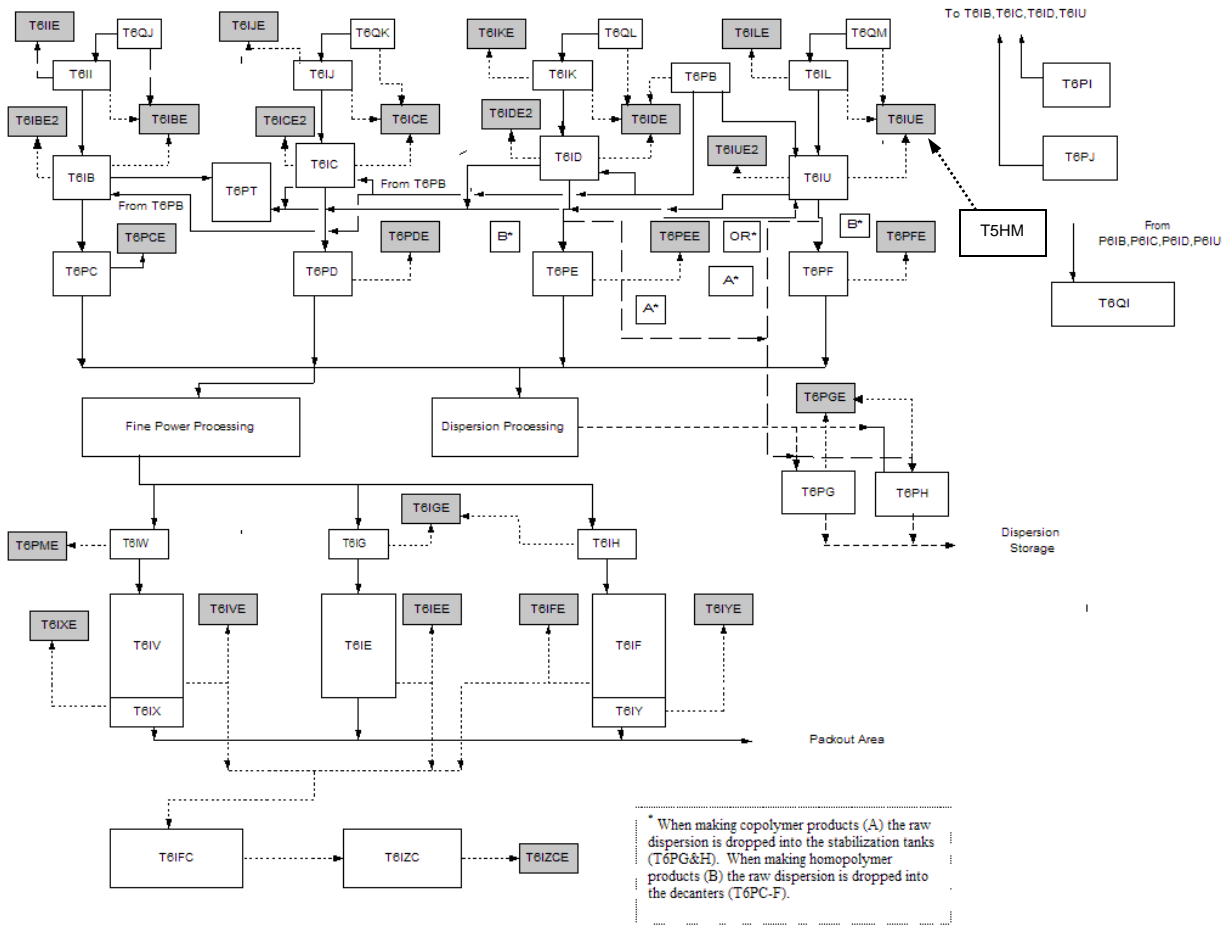




ATTACHMENT F - Flow Diagram for T5 Area



FP/Disp Flow Chart



Attachment D - Title V Equipment Table Listing

| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|--|---------------------------------|--------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/ Modified |
| C1FEE | None | C1FA | Bin (Cool down Bin) | Redacted - Claimed Confidential | 1986 |
| C1FEE | None | C1FB | Bin (Cool down Bin) | Redacted - Claimed Confidential | 1986 |
| C1FCE | None | C1FC | Bin (Cube Bin) | Redacted - Claimed Confidential | 2006 |
| C1FEE | None | C1FD | Supply System [F2/N2 Cylinder Unloading Station] | Redacted - Claimed Confidential | 1986 |
| C1FEE | C1FEC | C1FE | Reactor [Fluorination reactor for Cubes] | Redacted - Claimed Confidential | 1986 |
| C1FFE | None | C1FF | Bin (Fluorination Heat up bin(s)) | Redacted - Claimed Confidential | 1986 |
| C1FGE | None | C1FG | Bin (Fluorination Heat up bin(s)) | Redacted - Claimed Confidential | 1986 |
| C1FKE | C1FKC | C1FK | Conveying System (Fluff Conveying - Isolation system) | Redacted - Claimed Confidential | 1996 |
| C1FQE | None | C1FQ | Reactor - (PFA reactor -semi-batch operation) | Redacted - Claimed Confidential | 1996 |
| C1FRE | None | C1FR | Ingredient System (Ammonium Carbonate Feed Tank) | Redacted - Claimed Confidential | 1996 |
| C1FSE | C1FSC1/C2/C3 | C1FS | Polymer Dryer (PFA Torus Disc Dryer) | Redacted - Claimed Confidential | 1996 |
| C1FUE | None | C1FU | Bin (Fluff Bin) | Redacted - Claimed Confidential | 1996 |
| C1FVE1 | None | C1FV | Polymer Extruder (PFA Extruder) | Redacted - Claimed Confidential | 1982 |
| C1FVE2 | None | C1FV | Polymer Extruder (PFA Extruder) | Redacted - Claimed Confidential | 1982 |
| Area | None | C1FW | Ingredient system (Vinyl Ether Feed System) | Redacted - Claimed Confidential | 1996 |
| C1FWE | None | C1FW | Ingredient system (Vinyl Ether Feed System) | Redacted - Claimed Confidential | 1996 |
| C1GAE | None | C1GA | Bin [Cube Bins] | Redacted - Claimed Confidential | 2006 |
| C1GBE | None | C1GB | Bin [Cube Bins] | Redacted - Claimed Confidential | 2006 |
| C1GCE | None | C1GC | Bin [Cube Bins] | Redacted - Claimed Confidential | 2006 |
| C1GDE | None | C1GD | Tank [Stabilization Tank] | Redacted - Claimed Confidential | 1996 |
| C1GEE | None | C1GF | Product Isolation [Pannevis Filter system] | Redacted - Claimed Confidential | |
| C1GGE | None | C1GG | Ammonium Hydroxide System | Redacted - Claimed Confidential | |
| C1FQE | None | C1GH | Ingredient Feed System [Monomer Feed System] | Redacted - Claimed Confidential | 1996 |
| C1GIE | None | C1GI | Conveying System [PFA Cube rework] | | |
| C1GJE | C1GJC/C1GJC2 | C1GJ | Conveying system (PFA Flake Conveying to Flake Pack out) | Redacted - Claimed Confidential | 1996 |

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| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|---|---------------------------------|--------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/ Modified |
| Area | None | C1GK | Area Wastewater Sump (Supernate Sump) | Redacted - Claimed Confidential | 1996 |
| C1FEE | C1GNC1/C1GNC2 | C1GN | Conveying System (Fluorination - Cube Conveying System) | Redacted - Claimed Confidential | 1996 |
| C1GPE | C1GPC | C1GP | Conveying System (Cube Conveying System to cube Pack out) | Redacted - Claimed Confidential | 1996 |
| C1GQE | C1GQC | C1GQ | Conveying System (Fluff Conveying system to Extruder) | Redacted - Claimed Confidential | 1982 |
| C1GRE | None | C1GR | Cleaning Station (Screen Pack Burnout Station) | 120 Screen packs per year | 1982 |
| C1GPE | C1GPC | C1GS | Product Blender (PFA Bender) | Redacted - Claimed Confidential | 1988 |
| C1GPE | C1GPC | C1GT | Product Blender (PFA Bender) | Redacted - Claimed Confidential | 1988 |
| C1GVE | None | C1GV | Hopper (Extruder feed Hopper) | Redacted - Claimed Confidential | 1982 |
| C1GXE | None | C1GX | Ingredient Charge System (Vinyl Ethers Charging System) | Redacted - Claimed Confidential | 1996 |
| C1LDE | None | C1LD | Parts Washer (Leased from Safety-Kleen) | Redacted - Claimed Confidential | Not App |
| C1NPE | C1NPC | C1NP | Ingredient Recovery System (Ammonia Recovery system) | Redacted - Claimed Confidential | 2005 |
| C1GWE | None | C1GW | Tank | | |
| C1GZE | | C1GZ | Oven | Redacted - Claimed Confidential | |
| T7IME | T7IMC | C1ME | Vent Recovery System | | |
| C1MFE | | C1MF | Central Vacuum System | | |
| C1NPE | C1NPC | C1NP | Ammonium Carbonate Scrubber | Redacted - Claimed Confidential | |
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¹For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|--|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| C2DAE | None | C2DA | Tank | Redacted - Claimed Confidential | 1982 |
| C2DAE | None | C2DE | Tank | Redacted - Claimed Confidential | 1982 |
| C2DDE | None | C2DD | Sparge Bin for Extruder C2EB | | 2018 |
| C2EJE | | C2DG | Reactor [FEP reactor #2] | Redacted - Claimed Confidential | 2008 |
| C2DHE | | C2DH | Process Bin (Number 2 Sparge Bin) | 30 PU/Hour | 1998 |
| C2DJE | C2DJC | C2DJ | Process Tank (Number 1 Coagulator) | Redacted - Claimed Confidential | 1996 |
| C2DKE | C2DKC | C2DK | Process Tank (Number 2 Coagulator) | Redacted - Claimed Confidential | 1996 |
| C2EUE | C2EUC | C2DO | Pellet Conveying (Extruder C2EB) | 30 PU/Hour | 2008 |
| C2DSE | C2DSC | C2DS | Conveying System (FEP Flake Pack Out Receiver) | Redacted - Claimed Confidential | 1989 |
| C2DT2E | C2DWC1/C2/C3 | C2DW | Polymer Dryer (FEP #2 TDD Dryer) | Redacted - Claimed Confidential | 1982 |
| C2EBE | C2EB1C | C2EB1 | Extruder - Compounding | 30 PU/Hour | 2018 |
| C2EBE | C2EB2C | C2EB2 | Area Vent (Extruder C2EB) | 30 PU/hour | 2018 |
| C2EBE | C2EA1C | C2EA1 | Primary Feed Hopper (Extruder C2EB) | 80 PU/Hour | 2018 |
| C2EBE | C2EA2C | C2EA2 | Secondary Feed Hopper (Extruder C2EB) | 80 PU/Hour | 2018 |
| C2DAE | None | C2EC | Dispersion Blend Tank | Redacted - Claimed Confidential | 1982 |
| Area | None | C2EE | Feed System | Redacted - Claimed Confidential | Mod-2012 |
| C2EFE | None | C2EF | Reactor | Redacted - Claimed Confidential | 1998 |
| C2EGE | C2EGC | C2EG | Process agglomerator | Redacted - Claimed Confidential | 1998 |
| C2DTE | C2EHC1, C2EHC2, C2DTC3 | C2EH | Dryer | Redacted - Claimed Confidential | 1998 |
| C2EFE | None | C2EJ | Ingredient Supply | Redacted - Claimed Confidential | 1998 |
| C2ENE | C2ENC | C2EN | Conveying System | Redacted - Claimed Confidential | 1998 |
| C2ERE | None | C2ER | Extruder | Redacted - Claimed Confidential | 1998 |
| T7IME | T7IMC | C2ES | Extruder | Redacted - Claimed Confidential | 1998 |
| C2ETE | None | C2ET | Bin | Redacted - Claimed Confidential | 1998 |
| C2EUE | C2EUC | C2EU | Elutriator | Redacted - Claimed Confidential | 1998 |

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ATTACHMENT D - Title V Equipment Table
 (includes all emission units at the facility except those designated as
 insignificant activities in Section 4, Item 24 of the General Forms)

| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/ Modified |
|--------------------------------|-----------------------------|-------------------------------|---------------------------|---------------------------------|--------------------------|
| C2EVE | None | C2EV | Packout (Bag printer) | Redacted - Claimed Confidential | 1998 |
| C2EZE | None | C2EZ | Loading Station | Redacted - Claimed Confidential | 2006 |
| C2KDE | None | C2KD | Dryer | Redacted - Claimed Confidential | 1998 |
| C2EBE | None | C2KJ | Gala Dryer | 30 PU/hour | 2019 |
| C2KLE | C2KLC | C2KL | Dump Station | 1.3 PU/Hour | 2019 |
| C2KNE | C2KNC1 (inherent) / C2KNC2 | C2KN | Extruder Supply System | 1.3 PU/hour | 2019 |
| C2KOE1 / C2KOE2 | C2KOC1 / C2KOC2 | C2KO | Process Equipment | Redacted - Claimed Confidential | 1997 |
| C2KPE | C2KPC | C2KP | Process Equipment | Redacted - Claimed Confidential | 1998 |
| C2KUE | None | C2KU | Ingredient Supply System | Redacted - Claimed Confidential | 2005 |
| C2DAE | None | C2KW | Feed Tank | Redacted - Claimed Confidential | 2006 |
| C2DAE | None | C2KX | Storage Tank | Redacted - Claimed Confidential | 2006 |
| Area | None | C2KY | Ion Exchange Column | Redacted - Claimed Confidential | 2006 |
| Area | None | C2KZ | Ion Exchange Column | Redacted - Claimed Confidential | 2006 |
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| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|---------------------------|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| C3HPE | None | C3HA | Tank | Redacted - Claimed Confidential | 1992 |
| C3HPE | None | C3HB | Tank | Redacted - Claimed Confidential | 1992 |
| C3HDE/T7IME | C3IZ>T7IMC or None | C3HD | Tank | Redacted - Claimed Confidential | 1993 |
| C3HGE | C3HGC2 | C3HG | Melt Tank | Redacted - Claimed Confidential | 1992 |
| C3HGE | C3HGC | C3HG | Melt Tank | Redacted - Claimed Confidential | 1992 |
| C3HGE | C3HGC | C3HH | Weight Tank | Redacted - Claimed Confidential | 1992 |
| C3HIE/T7IME | C3IZ>T7IMC or None | C3HI | Reactor | Redacted - Claimed Confidential | 1992 |
| C3HPE | C3HPC | C3HJ | Still Pot | Redacted - Claimed Confidential | 1992 |
| T7IME | T7IMC | C3HJ | Still Pot | Redacted - Claimed Confidential | 1992 |
| C3HPE | C3HPC | C3HK | Weight tank | Redacted - Claimed Confidential | 1992 |
| C3HPE | C3HPC | C3HL | Cylinder | Redacted - Claimed Confidential | 1992 |
| C3HPE | C3HPC | C3HM | Weight tank | Redacted - Claimed Confidential | 1992 |
| C3HPE/T7IME | C3IZ>T7IMC or None | C3HN | Intermediates tank | Redacted - Claimed Confidential | 1992 |
| C3HPE/T7IME | C3IZ>T7IMC or None | C3HO | Reactor | Redacted - Claimed Confidential | 1992 |
| C3HPE | C3HPC | C3HP | Cylinder | Redacted - Claimed Confidential | 1992 |
| C3HPE/T7IME | C3IZ>T7IMC or None | C3HQ | Still Pot | Redacted - Claimed Confidential | 1992 |
| C3HPE/T7IME | C3IZ>T7IMC or None | C3HS | Intermediates Tank | Redacted - Claimed Confidential | 1992 |
| C3HIE/T7IME | C3IZ>T7IMC or None | C3HT | Storage tank | Redacted - Claimed Confidential | 1992 |
| C3HPE/T7IME | C3IZ>T7IMC or None | C3HX | Tank | Redacted - Claimed Confidential | 1992 |
| C3HPE/T7IME | C3IZ>T7IMC or None | C3ID | Tank | Redacted - Claimed Confidential | 1992 |
| C3HPE/T7IME | C3IZ>T7IMC or None | C3IE | Tank | Redacted - Claimed Confidential | 1992 |
| C3HPE | C3HPC | C3IF | Weight Tank | Redacted - Claimed Confidential | 1992 |
| C3HPE/T7IME | C3IZ>T7IMC or None | C3IG | Bulk Loading | Redacted - Claimed Confidential | 1992 |
| C3HIE/T7IME | C3IZ>T7IMC or None | C3IH | Tank | Redacted - Claimed Confidential | 1992 |
| C3HIE/T7IME | C3IZ>T7IMC or None | C3IJ | Tank | Redacted - Claimed Confidential | 1992 |

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ATTACHMENT D - Title V Equipment Table
 (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)

| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/ Modified |
|--------------------------------|-----------------------------|-------------------------------|---------------------------------|---------------------------------|--------------------------|
| C3HIE / T7IME | C3IZ>T7IMC or None | C3IK | Tank | Redacted - Claimed Confidential | 1992 / 2005 |
| C3HIE / T7IME | C3IZ>T7IMC or None | C3IL | Intermediates tank | Redacted - Claimed Confidential | 1992 / 2005 |
| C3IME | None | C3IM | Tank | Redacted - Claimed Confidential | 1992 |
| C3INE | None | C3IN | Brine Tank | Redacted - Claimed Confidential | 1992 |
| C3IOE | None | C3IO | Brine Tank | Redacted - Claimed Confidential | 1992 |
| C3HPE / T7IME | C3IZ>T7IMC or None | C3IT | Tank | Redacted - Claimed Confidential | 1992 / 2005 |
| C3HPE | C3HPC | C3IV | Charge Pot | Redacted - Claimed Confidential | 1992 / 2005 |
| Area | None | C3IW | Cleaning Area | 900 ft2 | 1992 |
| C3HPE / T7IME | C3IZ>T7IMC or None | C3IX | Tank | Redacted - Claimed Confidential | 1992 / 2005 |
| C3HPE / T7IME | C3IZ>T7IMC or None | C3IY | Tank | Redacted - Claimed Confidential | 1992 / 2005 |
| C3HPE / T7IME | C3IZ>T7IMC or None | C3IZ | Tank | Redacted - Claimed Confidential | 2004 |
| C3HPE / T7IME | C3IZ>T7IMC or None | C3JA | Product filter w/ hydraulic lid | Redacted - Claimed Confidential | 2008 |
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| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|-----------------------------------|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| T7XIE | T7XIC | T1BB | Compressor & Intercooler - Maint. | Redacted - Claimed Confidential | 1987 |
| T7XIE | T7XIC | T1BC | Compressor & Intercooler - Maint. | Redacted - Claimed Confidential | 1987 |
| T7XIE | T7XIC | T1BD | Compressor & Intercooler - Maint. | Redacted - Claimed Confidential | 1987 |
| T7XIE | T7XIC | T1BE | Process Cooler - Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1BF | Process Cooler - Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1BG | Process Cooler - Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1BH | Process Cooler - Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1BI | Process Cooler - Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1BJ | Process Cooler - Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1BP | Storage Tank | Redacted - Claimed Confidential | 1978 |
| T7XIE | T7XIC | T1BQ | Storage Tank | Redacted - Claimed Confidential | 1978 |
| T7XIE | T7XIC | T1BR | Storage Tank | Redacted - Claimed Confidential | 1978 |
| T7XIE | T7XIC | T1BS | Storage Tank | Redacted - Claimed Confidential | 1978 |
| T7XIE | T7XIC | T1BT | Storage Tank | Redacted - Claimed Confidential | 1978 |
| T7IME | T7IMC | T1BW | Absorber | Redacted - Claimed Confidential | 2001 |
| T7IME | T7IMC | T1BX | Absorber | Redacted - Claimed Confidential | 2001 |
| T7XIE | T7XIC | T1CA | Furnace - Clear | Redacted - Claimed Confidential | 1994 |
| T1CAE | None | T1CA | Furnace - Combust | Redacted - Claimed Confidential | 1994 |
| T7XIE | T7XIC | T1CB | Furnace - Clear | Redacted - Claimed Confidential | 1994 |
| T1CBE | None | T1CB | Furnace - Combust | Redacted - Claimed Confidential | 1994 |
| T7XIE | T7XIC | T1CC | Furnace - Clear | Redacted - Claimed Confidential | 1994 |
| T1CCE | None | T1CC | Furnace - Combust | Redacted - Claimed Confidential | 1994 |
| T7XIE | T7XIC | T1CD | Furnace - Clear | Redacted - Claimed Confidential | 2000 |
| T1CDE | None | T1CD | Furnace - Combust | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1CK | Aftercooler - Maint. | Redacted - Claimed Confidential | |

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| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|---|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| T7XIE | T7XIC | T1CL | Aftercooler - Maint. | Redacted - Claimed Confidential | |
| T7IME | T7IMC | T1CV | Side stream Dryer | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T1CW | Storage Tank | Redacted - Claimed Confidential | 1989 |
| T7XIE | T7XIC | T1DB | Recycle Gas Dryer #1 | Redacted - Claimed Confidential | 1985 |
| T1DBE | None | T1BD | Recycle Gas Dryer #1 | Redacted - Claimed Confidential | 1985 |
| T7XIE | T7XIC | T1DC | Recycle Gas Dryer #2 | Redacted - Claimed Confidential | 1985 |
| T1DBE | None | T1DC | Recycle Gas Dryer #2 | Redacted - Claimed Confidential | 1985 |
| T7XIE | T7XIC | T1DD | Cooler No. 7 - Maint. | Redacted - Claimed Confidential | 2000 |
| T7IME | T7IMC | T1DD | Cooler No. 7 - Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1DE | Cooler No. 8 - Maint. | Redacted - Claimed Confidential | 2000 |
| T7IME | T7IMC | T1DE | Cooler No. 8 - Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1DF | Cooler No. 9 - Maint. | Redacted - Claimed Confidential | 2000 |
| T7IME | T7IMC | T1DF | Cooler No. 9 - Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1DG | Process Bag Filter- Maint. | Redacted - Claimed Confidential | 2000 |
| T7IME | T7IMC | T1DG | Process Bag Filter- Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1DH | Process Bag Filter- Maint. | Redacted - Claimed Confidential | 2000 |
| T7IME | T7IMC | T1DH | Process Bag Filter- Maint. | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T1DI | Vaporizer- Maint. | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T1DI | Vaporizer- Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T1DS | Snubber Tank and Compressor Inlet piping - Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T1DT | Intercooler | Redacted - Claimed Confidential | 1999 |
| T7XIE | T7XIC | T1DU | Compressor high pressure piping - Maint. | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T1DU | Compressor high pressure piping - Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T1EE | Analyzer Vents | Redacted - Claimed Confidential | 1997-2006 |
| T7XIE | T7XIC | T1EV | Shipping Trailers | Redacted - Claimed Confidential | 1997 |

¹For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|---|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| T1GNE | None | T1GN | Mixed Gas Holder | Redacted - Claimed Confidential | 1985 |
| T1JBE | None | T1JB | Raw Material Unloading | Redacted - Claimed Confidential | 2007 |
| T1JGE | None | T1JG | Parts Washer | Redacted - Claimed Confidential | Leased |
| T1XIE | T7XIC | T1LA | Aftercooler - Number 3 - Maint. | Redacted - Claimed Confidential | |
| T1XIE | None | T1LB | Raw Material Storage Tank - Maint. | Redacted - Claimed Confidential | 1955 |
| T1XIE | None | T1LC | Raw Material Storage Tank - Maint. | Redacted - Claimed Confidential | 1955 |
| T1XIE | None | T1LD | Raw Material Storage Tank - Maint. | Redacted - Claimed Confidential | 1997 |
| T1XIE | None | T1LE | Raw Material Storage Tank - Maint. | Redacted - Claimed Confidential | 1997 |
| T2ERE | T2ERC | T1LF | Storage Tank and Vaporizer - event | Redacted - Claimed Confidential | 1989 |
| T1LHE | None | T1LH | Feed Pump - Maint. | Redacted - Claimed Confidential | 1997 |
| T1LIE | None | T1LI | Feed Pump - Maint. | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T1XA | Compressor seal purge | Redacted - Claimed Confidential | 2000 |
| T7IME | T7IMC | T1XC-A | Absorber | Redacted - Claimed Confidential | 2001 |
| T7IME | T7IMC | T1XC-C | Absorber | Redacted - Claimed Confidential | 2001 |
| T7IME | T7IMC | T1XD | Distillation Column - Maint. | Redacted - Claimed Confidential | 1997 |
| T1XIE | T7XIC | T1XD | Distillation Column | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T1XG | Distillation Column - Maint. | Redacted - Claimed Confidential | 1997 |
| T1XIE | T7XIC | T1XG | Distillation Column - Maint. | Redacted - Claimed Confidential | 1997 |
| T1XIE | T7XIC | T1XO | Distillation Column - Feed Cond. - Maint. | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T1XO | Distillation Column - Feed Cond. - Maint. | Redacted - Claimed Confidential | 1997 |
| T2ERE | T2ERC | T2EN | Tank Car Loading | Redacted - Claimed Confidential | 2005 |
| T2ERE | T2ERC | T2ER | Storage Tank | Redacted - Claimed Confidential | 2005 |
| T2ERE | T2ERC | T2ES | Air Stripper | Redacted - Claimed Confidential | 1994 |
| T2ERE | T2ERC | T2ET | Product Tank | Redacted - Claimed Confidential | 2015 |
| T2ERE | T2ERC | T2EU | Product Tank | Redacted - Claimed Confidential | 2015 |

¹For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| T7IME | T7IMC | T2EX | Trailer Loading | Redacted - Claimed Confidential | 2000 |
| T2EXE | None | T2EX | Trailer Loading | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T2EY | Analyzer | Redacted - Claimed Confidential | 2000 |
| T2ERE | T2ERC | T2XH | Cooler / Absorber | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T2XH | Cooler / Absorber | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T2XJ | Distillation Column | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T2XJ | Distillation Column | Redacted - Claimed Confidential | 1997 |
| T2ERE | T2ERC | T2XL | Cooler / Absorber | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T2XL | Cooler / Absorber | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T2XM | Distillation Column | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T2XM | Distillation Column | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T2XN | Distillation Column | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T2XN | Distillation Column - Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T2XQ | Vaporizer - Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T2XS | Feed Cooler - Maint. | Redacted - Claimed Confidential | 1997 |
| T2ERE | T2ERC | T2XT | Absorption Bed | | 1997 |
| T2ERE | T2ERC | T2XU | Absorption Bed | | 1997 |
| T2ERE | T2ERC | T2XV | Cooler Loop - Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T3FB | Furnace - Maint. | Redacted - Claimed Confidential | 1997 |
| T4GBE | None | T4GB | Storage Tank | Redacted - Claimed Confidential | 1987 |
| T7XIE | T7XIC | T4GK | Shipping Containers | Redacted - Claimed Confidential | 1983 |
| T7IME | T7IMC | T4GM | Distillation Column | | 1997 |
| T7XIE | T7XIC | T4GO | Recycle Tank | Redacted - Claimed Confidential | 1979 |
| T7IME | T7IMC | T4GO | Recycle Tank - Maint. | Redacted - Claimed Confidential | 1979 |
| T7IME | T7IMC | T4GP | Feed Tank - Maint. | Redacted - Claimed Confidential | 1983 |

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| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|---|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| T7XIE | T7XIC | T4GP | Feed Tank | Redacted - Claimed Confidential | 1983 |
| T7IME | T7IMC | T4GQ | Recycle Tank - Maint. | Redacted - Claimed Confidential | 1983 |
| T7XIE | T7XIC | T4GQ | Recycle Tank | Redacted - Claimed Confidential | 1983 |
| T7XIE | T7XIC | T4GS | Distillation Column - Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T4GT | Distillation Column - Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T4GU | Storage Tank - Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T4GV | Storage Tank - Maint. | Redacted - Claimed Confidential | 1997 |
| T7XIE | T7XIC | T4GW | Tank - Maint. | Redacted - Claimed Confidential | 1993 |
| T7XIE | T7XIC | T4GX | Tank - Maint. | Redacted - Claimed Confidential | 1999 |
| T7XIE | T7XIC | T4KA | Cylinder Loading | Redacted - Claimed Confidential | 1982 |
| T7XIE | T7XIC | T4KB | Feed Tank - Maint. | Redacted - Claimed Confidential | 1993 |
| T7XIE | T7XIC | T4KC | Truck Loading | Redacted - Claimed Confidential | 1982 |
| T7XIE | T7XIC | T4KD | Tank Car Loading | Redacted - Claimed Confidential | 1982 |
| T7XIE | T7XIC | T4XK | Distillation Column - Maint. | Redacted - Claimed Confidential | 1998 |
| T7IME | T7IMC | T4XK | Distillation Column | Redacted - Claimed Confidential | 1998 |
| T7XIE | T7XIC | T7AA | Tank | Redacted - Claimed Confidential | 1985 |
| T7ABE | None | T7AB | Methylene Chloride System Losses | Redacted - Claimed Confidential | 1985 |
| T7AKE | None | T7AK | Cooling Tower | Redacted - Claimed Confidential | 2000 |
| T7XIE | T7XIC | T7EI | North Still house Vacuum System | Redacted - Claimed Confidential | 1997 |
| T7IME | T7IMC | T7EM | Portable Container Facility | Redacted - Claimed Confidential | 1996 |
| T7EME | None | T7EM | Portable Container Facility | Redacted - Claimed Confidential | 1996 |
| T7IME | None | T7IM | Thermal Converter - Nat. gas Combustion | Redacted - Claimed Confidential | 1996 / 2016 |
| T7IOE | T7IOC | T7IO | Silo | Redacted - Claimed Confidential | 1997 |
| T7JCE | T7JCC | T7JD | Neutralization Tank | Redacted - Claimed Confidential | 1986 |
| T7JJE | None | T7JJ | Emergency Generator | 1620 BHP | 2006 |

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| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|---|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| T5HAE | None | T5HA | Heater (#1 Gas Fired Dryer Heater) | Redacted - Claimed Confidential | 1998 |
| T5HBE | None | T5HB | Heater (#2 Gas Fired Dryer Heater) | Redacted - Claimed Confidential | 1998 |
| T5HCE | None | T5HC | Reactor | Redacted - Claimed Confidential | 1992 |
| T5HCE2 | None | T5HC | Reactor | Redacted - Claimed Confidential | 1992 |
| Area | None | T5HC | Reactor | Redacted - Claimed Confidential | 1992 |
| T5HDE | None | T5HD | Reactor | Redacted - Claimed Confidential | 1997 |
| T5HDE2 | None | T5HD | Reactor | Redacted - Claimed Confidential | 1997 |
| Area | None | T5HD | Reactor | Redacted - Claimed Confidential | 1997 |
| T5HFE | None | T5HF | Mix Station Fume Hood (Trace emissions) | | N/A |
| T5HGE | T5HGC | T5HG | Dryer | Redacted - Claimed Confidential | 2001 |
| T5HGE | T5HIC | T5HI | Dryer | Redacted - Claimed Confidential | 2001 |
| T5IUE | None | T5HM | Refined Monomer System | Redacted - Claimed Confidential | 1990 |
| Area | None | T5HN | Raw Material System | Redacted - Claimed Confidential | 2001 |
| T5HCE | None | T5HN | Raw Material System | Redacted - Claimed Confidential | 2001 |
| Area | None | T5HO | Tank | Redacted - Claimed Confidential | 1989 |
| T5HCE | None | T5HP | Tank | Redacted - Claimed Confidential | |
| T5HDE | None | T5HP | Tank | Redacted - Claimed Confidential | |
| T5HDE | None | T5HT | Tank | Redacted - Claimed Confidential | 1990 |
| T5HTE | None | T5HT | Tank | Redacted - Claimed Confidential | 1990 |
| T5HDE | None | T5HU | Tank | Redacted - Claimed Confidential | 1990 |
| T5HUE | None | T5HU | Tank | Redacted - Claimed Confidential | 1990 |
| T5HDE | None | T5HV | Tank | Redacted - Claimed Confidential | 1990 |
| T5HVE | None | T5HV | Tank | Redacted - Claimed Confidential | 1990 |
| T5HCE | None | T5HW | Tank | Redacted - Claimed Confidential | 1989 |
| T5HWE | None | T5HW | Tank | Redacted - Claimed Confidential | 1989 |

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ATTACHMENT D - Title V Equipment Table
 (includes all emission units at the facility except those designated as
 insignificant activities in Section 4, Item 24 of the General Forms)

| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/ Modified |
|--------------------------------|-----------------------------|-------------------------------|---------------------------|---------------------------------|-----------------------------|
| T5HDE | None | T5HX | Tank | Redacted - Claimed Confidential | 1997 |
| T5HXE | None | T5HX | Tank | Redacted - Claimed Confidential | 1997 |
| T5HYE | None | T5HY | Brine Tank | Redacted - Claimed Confidential | 1995 |
| T5HZE | None | T5HZ | Tank (deminimus emissions | Redacted - Claimed Confidential | 1998 |
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¹For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|----------------------------------|---------------------------------|--------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/ Modified |
| T6IBE | None | T6IB | Reactor | Redacted - Claimed Confidential | 1985 |
| T6IBE2 | None | T6IB | Reactor | Redacted - Claimed Confidential | 1985 |
| T6ICE | None | T6IC | Reactor | Redacted - Claimed Confidential | 1985 |
| T6ICE2 | None | T6IC | Reactor | Redacted - Claimed Confidential | 1985 |
| T6IDE | None | T6ID | Reactor | Redacted - Claimed Confidential | 1985 |
| T6IDE2 | None | T6ID | Reactor | Redacted - Claimed Confidential | 1985 |
| T6IEE | None | T6IE | Dryer Line 2 | Redacted - Claimed Confidential | 1993 |
| T6IZE | T6IFC/T6IZC | T6IE | Dryer Line 2 | Redacted - Claimed Confidential | 1993 |
| T6IFE | None | T6IF | Dryer Line 3 | Redacted - Claimed Confidential | 1989 |
| T6IZE | T6IFC/T6IZC | T6IF | Dryer Line 3 | Redacted - Claimed Confidential | 1989 |
| T6IBE | None | T6II | Weight Tank | Redacted - Claimed Confidential | 1985 |
| T6IIE | None | T6II | Weight Tank | Redacted - Claimed Confidential | 1985 |
| T6ICE | None | T6IJ | Weight Tank | Redacted - Claimed Confidential | 1985 |
| T6IJE | None | T6IJ | Weight Tank | Redacted - Claimed Confidential | 1985 |
| T6IDE | None | T6IK | Weight Tank | Redacted - Claimed Confidential | 1985 |
| T6IKE | None | T6IK | Weight Tank | Redacted - Claimed Confidential | 1985 |
| T6ILE | None | T6IL | Weight Tank | Redacted - Claimed Confidential | 1985 |
| T6IUE | None | T6IL | Weight Tank | Redacted - Claimed Confidential | 1985 |
| T6IUE | None | T6IU | Reactor | Redacted - Claimed Confidential | 2000 |
| T6IUE2 | None | T6IU | Reactor | Redacted - Claimed Confidential | 2000 |
| T6IVE | None | T6IV | Dryer | Redacted - Claimed Confidential | 2001 |
| T6IZE | T6IFC / T6IZC | T6IV | Dryer | Redacted - Claimed Confidential | 2001 |
| T6IYE | None | T6IY | Chiller / Cooler Vent | Redacted - Claimed Confidential | 1989 |
| T6IZE | None | T6IZ | Accumulator Vessel - Maint. Only | | |
| T6JEE | None | T6JE | Ingredient Tank | Redacted - Claimed Confidential | 1988 |

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| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|--|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| T6JFE | None | T6JF | Ingredient Tank | Redacted - Claimed Confidential | |
| T6PAE | None | T6PA | Head Tank | Redacted - Claimed Confidential | 1988 |
| T6ICE | None | T6PB | Feed System | Redacted - Claimed Confidential | 1985 |
| T6IDE | None | T6PB | Feed System | Redacted - Claimed Confidential | 1985 |
| T6IUE | None | T6PB | Feed System | Redacted - Claimed Confidential | 1985 |
| T6IBE | None | T6PB | Feed System | Redacted - Claimed Confidential | 1985 |
| T6PCE | None | T6PC | Decanter | Redacted - Claimed Confidential | 1988 |
| T6PDE | None | T6PD | Decanter | Redacted - Claimed Confidential | 1986 |
| T6PEE | None | T6PE | Decanter | Redacted - Claimed Confidential | 2000 |
| T6PFE | None | T6PF | Decanter | Redacted - Claimed Confidential | 2000 |
| T6PGE | None | T6PG | Stabilization Tank | Redacted - Claimed Confidential | |
| T6PGE | None | T6PH | Stabilization Tank | Redacted - Claimed Confidential | |
| T6IBE | None | T6PI | Feed System | Redacted - Claimed Confidential | 2001 |
| T6ICE | None | T6PI | Feed System | Redacted - Claimed Confidential | 2001 |
| T6IDE | None | T6PI | Feed System | Redacted - Claimed Confidential | 2001 |
| T6IUE | None | T6PI | Feed System | Redacted - Claimed Confidential | 2001 |
| T6PIE | None | T6PI | Feed System | Redacted - Claimed Confidential | 2001 |
| Area | None | T6PJ | Raw Material feed System | Redacted - Claimed Confidential | 2001 |
| T6PGE | None | T6PL | Process Tank | Redacted - Claimed Confidential | 1998 |
| T6PME | None | T6PM | Process Tank | Redacted - Claimed Confidential | 2001 |
| T6PNE | None | T6PN | Process Tan Process Tank | Redacted - Claimed Confidential | 2001 |
| T6POE | None | T6PO | Storage Tank | Redacted - Claimed Confidential | 2001 |
| T6PPE | None | T6PP | Storage Tank | Redacted - Claimed Confidential | 2001 |
| T6PQE | None | T6PQ | Formulation Tank | Redacted - Claimed Confidential | 2001 |
| T6PRE | None | T6PR | Fresh Tank | Redacted - Claimed Confidential | 1994 |

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| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|---|---------------------------------|--------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/ Modified |
| T6PSE | None | T6PS | Melt Tank | Redacted - Claimed Confidential | 2001 |
| Area | None | T6PT | Decanter | Redacted - Claimed Confidential | 1997 |
| T6PUE | None | T6PU | Process Tank Decanter | Redacted - Claimed Confidential | 2000 |
| T6PVE | None | T6PV | Process Tank | Redacted - Claimed Confidential | |
| T6PWE | None | T6PW | Storage Tank | Redacted - Claimed Confidential | 1993 |
| T6PXE | None | T6PX | Process Tank | Redacted - Claimed Confidential | 1988 |
| T6PYE | None | T6PY | Supernate Tank | Redacted - Claimed Confidential | |
| T6PZE | None | T6PZ | Process Tank | Redacted - Claimed Confidential | |
| T6QAE | None | T6QA | Ion Exchange Column | Redacted - Claimed Confidential | 2006 |
| T6QBE | None | T6QB | Ion Exchange Column | Redacted - Claimed Confidential | 2006 |
| T6QEE | None | T6QE | Ion Exchange Column | Redacted - Claimed Confidential | 2006 |
| T6QFE | None | T6QF | Ion Exchange Column | Redacted - Claimed Confidential | 2006 |
| T6PGE | None | T6QH | Feed Tank | Redacted - Claimed Confidential | 2006 |
| Area | None | T6QI | Knock Out Pot | Redacted - Claimed Confidential | 1985 |
| T6IBE | None | T6QJ | Tank | Redacted - Claimed Confidential | 1985 |
| T6ICE | None | T6QK | Tank | Redacted - Claimed Confidential | 1985 |
| T6IDE | None | T6QL | Tank | Redacted - Claimed Confidential | 1985 |
| T6IUE | None | T6QM | Tank | Redacted - Claimed Confidential | 1992 |
| T6QNE | None | T6QN | Blend Tank | Redacted - Claimed Confidential | 1985 |
| T6QOE | None | T6QO | #2 Blend Tank | Redacted - Claimed Confidential | 1985 |
| T6QPE | None | T6QP | #3 Blend Tank | Redacted - Claimed Confidential | 1986 |
| T6QQE | None | T6QQ | #4 Blend Tank | Redacted - Claimed Confidential | 1986 |
| T6QRE | None | T6QR | #5 Blend Tank | Redacted - Claimed Confidential | 2000 |
| T6QSE | None | T6QS | #6 Blend Tank | Redacted - Claimed Confidential | 2000 |
| T6QTE | None | T6QT | #7 Blend Tank | Redacted - Claimed Confidential | 2000 |

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| ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms) | | | | | |
|---|-----------------------------|-------------------------------|-----------------------------------|---------------------------------|-------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/Modified |
| T6QVE | None | T6QV | Ingredient tote #2 | Redacted - Claimed Confidential | Various |
| T6QWE | None | T6QW | Recovered Ingredient feed tank #1 | Redacted - Claimed Confidential | 2002 |
| T6QYE | None | T6QY | Recovered Ingredient feed tank #2 | Redacted - Claimed Confidential | 2002 |
| T6QZE | None | T6QZ | Recovered Ingredient Storage Tank | Redacted - Claimed Confidential | 2002 |
| T6RAE | None | T6RA | Filters | Redacted - Claimed Confidential | 2000 |
| T6RBE | None | T6RB | Reactor Waste Solids Drum | Redacted - Claimed Confidential | |
| T6RCE | None | T6RC | Coagulator #1 | Redacted - Claimed Confidential | 1999 |
| T6RDE | None | T6RD | Coagulator #2 | Redacted - Claimed Confidential | 1988 |
| T6REE | None | T6RE | Coagulator #3 | Redacted - Claimed Confidential | 1988 |
| T6RFE | None | T6RF | Conveyor #1 | Redacted - Claimed Confidential | 2001 |
| T6RGE | None | T6RG | Conveyor #2 | Redacted - Claimed Confidential | 1993 |
| T6RHE | None | T6RH | Conveyor #3 | Redacted - Claimed Confidential | 1989 |
| T6RIE | None | T6RI | FP packout | Redacted - Claimed Confidential | 1993 |
| T6RJE | None | T6RJ | Packout Tank #1 | Redacted - Claimed Confidential | 2001 |
| T6RKE | None | T6RK | Packout Tank #2 | Redacted - Claimed Confidential | 2001 |
| T6RLE | None | T6RL | Ingredient tank #1 | Redacted - Claimed Confidential | 1986 |
| T6RME | None | T6RM | Ingredient tank #2 | Redacted - Claimed Confidential | 1986 |
| T6RNE | None | T6RN | Ingredient tank #3 | Redacted - Claimed Confidential | 1986 |
| T6ROE | None | T6RO | Ingredient tank #4 | Redacted - Claimed Confidential | 1986 |
| T6RPE | None | T6RP | Ingredient tank #5 | Redacted - Claimed Confidential | 1986 |
| T6RQE | None | T6RQ | Ingredient tank #6 | Redacted - Claimed Confidential | 1986 |
| T6RRE | None | T6RR | Ingredient tank #7 | Redacted - Claimed Confidential | 2000 |
| T6RSE | None | T6RS | Ingredient tank #8 | Redacted - Claimed Confidential | 2000 |
| T6RTE | None | T6RT | Ingredient tank #9 | Redacted - Claimed Confidential | 2000 |
| T6RUE | None | T6RU | Ingredient tank #10 | Redacted - Claimed Confidential | 2000 |

¹For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

| <p align="center">ATTACHMENT D - Title V Equipment Table (includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)</p> | | | | | |
|---|-----------------------------|-------------------------------|----------------------------------|---------------------------------|--------------------------|
| Emission Point ID ¹ | Control Device ¹ | Emission Unit ID ¹ | Emission Unit Description | Design Capacity | Year Installed/ Modified |
| T6RVE | None | T6RV | Ingredient tank #11 | Redacted - Claimed Confidential | 1986 |
| T6RWE | None | T6RW | Ingredient tank #12 | Redacted - Claimed Confidential | 1986 |
| T6RXE | None | T6RX | Ingredient tank #13 | Redacted - Claimed Confidential | 1986 |
| T6RYE | None | T6RY | Ingredient tank #14 | Redacted - Claimed Confidential | 1986 |
| T6RZE | None | T6RZ | Ingredient tank #15 | Redacted - Claimed Confidential | 1986 |
| T6SAE | None | T6SA | Ingredient tank #16 | Redacted - Claimed Confidential | 1986 |
| T6SBE | None | T6SB | WIT Tank (non-volatile materiel) | Redacted - Claimed Confidential | |
| T6SDE | None | T6SD | Reactor Knockout (Maint. only) | Redacted - Claimed Confidential | Various |
| T6SEE | None | T6SE | Ingredient Truck unloading area | Redacted - Claimed Confidential | |
| T6SFE | None | T6SF | Dispersion Processing Tank | Redacted - Claimed Confidential | |
| T6SGE | None | T6SG | Surfactant feed Tank | Redacted - Claimed Confidential | |
| T6SHE | None | T6SH | Surfactant feed Tank | Redacted - Claimed Confidential | |
| T6SIE | None | T6SI | Tergitol flush Tank | | |
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¹For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

Attachment E - Emission Unit Forms for Covered Processes

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FA | Emission unit name: Process Bin | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (Cool down Bin) - Vents through C1FEE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 0.01 | 0.01 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.01 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Fluorides | 0.01 | 0.04 |
| | | |
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| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry happening in the process</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1FEE as well as for Hydrofluoric Acid. The hydrofluoric acid emissions assume that constituents present that would hydrolyze to HF will do so.

There is a required applicability for 45 CSR 7 on the common emission point C1GPE for particulate matter emissions based on through-put for the four units [C1FA, C1FB, C1FD and C1FE]

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1FEE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FB | Emission unit name: Process Bin | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (Cool down Bin) - Vents through C1FEE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|--------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 0.01 | Included with C1FA |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | Included with C1FA |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Fluorides | 0.01 | Included with C1FA |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry happening in the process</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1FEE as well as for Hydrofluoric Acid. The hydrofluoric acid emissions assume that constituents present that would hydrolyze to HF will do so.

There is a required applicability for 45 CSR 7 on the common emission point C1GPE for particulate matter emissions based on through-put for the four units [C1FA, C1FB, C1FD and C1FE]

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1FEE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FC | Emission unit name: Process Bin | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (Cubes Bin) - Vents through C1FCE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 0.1 | 0.31 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.16 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

The emissions are based on Engineering estimates of expected potential emissions based on chemistry happening in the process

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that requires the monthly PM emissions from C1FCE. It is found in the attachments to R13-2365 in a report out "attachment B" for PM10.

There is a required applicability for 45 CSR 7 on the common emission point C1FCE for particulate matter emissions based on through-put for the unit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1FCE. These monthly calculated emissions be recorded per Attachment B of R13-2365J and will be summed with the previous 11 month calculational results to document the annual rolling 12-month emissions.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FD | Emission unit name: Raw Material Supply System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Raw Material Supply (F2/N2 Cylinder unloading Station) - Vents through C1FEE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Fluorides | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry and operational actions happening in the process (disconnects)</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that requires the monthly HF emissions from C1FEE. Emissions of Fluorine from the supply system would be picked up by a Fluorides (PSD) test as HF - hence the contribution to the limitation on C1FEE

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1FEE. These monthly calculated emissions be recorded per Attachment B of R13-2365J and will be summed with the previous 11 month calculational results to document the annual rolling 12-month emissions.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FE | Emission unit name: Reactor | List any control devices associated with this emission unit: C1FEC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Fluorination Cube reactor) - Vents through C1FEE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 0.4 | 0.3 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 1.26 | 1.081 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Fluorides | 2.9 | 5.96 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry happening in the process</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1FEE as well as for Hydrofluoric Acid. The hydrofluoric acid emissions assume that constituents present that would hydrolyze to HF will do so.

There is a required applicability for 45 CSR 7 on the common emission point C1FEE for particulate matter emissions based on through-put for the four units [C1FA, C1FB, C1FD and C1FE]

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1FEE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FF | Emission unit name: Process vessel (Bin) | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process vessel (Cube preheat vessel - bin) - Vents through C1FFE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 0.1 | 0.31 total combined with C1FGE |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.12 | 0.15 total combined with C1FGE |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

The emissions are based on Engineering estimates of expected potential emissions based on chemistry happening in the process

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1FFE as well as for C1FGE. The hourly emission limits are identical and the assumption for the annual emissions is that we will be filling only one of the bins at a time with our current process.

There is an applicable requirement on both C1FFE and C1FGE for 45 CSR 7 based on the process rate experienced for each vessel.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the emission points C1FFE and C1FGE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FG | Emission unit name: Process vessel (Bin) | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process vessel (Cube preheat vessel - bin) - Vents through C1FGE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 0.1 | 0.31 total combined with C1FFE |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.12 | 0.15 total combined with C1FFE |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

The emissions are based on Engineering estimates of expected potential emissions based on chemistry happening in the process

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1FFE as well as for C1FGE. The hourly emission limits are identical and the assumption for the annual emissions is that we will be filling only one of the bins at a time with our current process.

There is an applicable requirement on both C1FFE and C1FGE for 45 CSR 7 based on the process rate experienced for each vessel.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the emission points C1FFE and C1FGE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FK | Emission unit name: Conveying system (Fluff Conveying for isolation) | List any control devices associated with this emission unit: C1FKC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Provides movement of product within the facility (Emits through Control Device C1FKC to Emission Point C1FSE) | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) 03 / 13 / 2019 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: Redacted - Claimed Confidential | Maximum Operating Schedule: 24 X 7 - 365 days/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.1 | 0.03 |
| Particulate Matter (PM ₁₀) | 0.1 | 0.03 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Loading is based on amounts expected to be transported using the system and the expected size distribution for the material being moved.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45 CSR 7 applies to this source as a material handling system. Current permit limits and calculations for R13-2365J and preceding application document apply.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Refer to R13-2365J or the later version of the 45 CSR 13 permit (R13-2365) for specific Monitoring, recordkeeping and reporting stipulated requirements.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FQ | Emission unit name: Reactor | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (PFA Reactor - Semi-Batch design) - Vents through C1FQE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: <225 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 38.6 | 21.76 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.004 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 1.0 | 0.05 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry and physical properties and appearance of the material being handled in the process</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J - A.1 (Table A.1) that lists total emissions for Total VOC, ODC and Acetonitrile from C1FQE. This stream is the reactor C1FQ that is vented at the end of each batch. The driver for the large emission number for VOC is the emission release that occurs when a batch is aborted. The emission limit is generated from a combination of aborted batches and finished batches.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the emission points C1FFE and C1FGE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FQ | Emission unit name: Reactor | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (PFA Reactor - Semi-Batch design) - Vents through T7IMC to T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: <225 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 38.6 | 21.76 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.004 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 1.0 | 0.05 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry and physical properties and appearance of the material being handled in the process</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J - A.1 (Table A.1) that lists total emissions for Total VOC, ODC and Acetonitrile from C1FQE. This stream is the reactor C1FQ that is vented at the end of each batch. The driver for the large emission number for VOC is the emission release that occurs when a batch is aborted. The emission limit is generated from a combination of aborted batches and finished batches.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the emission points C1FFE and C1FGE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FR | Emission unit name: Ingredient System - Ammonium Carbonate feed Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank holding solution - Ingredient System (Ammonium Carbonate solution Feed Tank) - Vents through C1FRE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 6000 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ammonia | 0.1 | 0.3 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are estimated from vapor pressure and tank breathing calculations.</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

45 CSR 4 (Odors) is used for control of emissions of ammonia in WV. Detection of an objectionable odor from the unit would trigger the rule requirements.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Comply with requirements of 45 CSR 4 for odor control

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FS | Emission unit name: Isolation System - Dryer | List any control devices associated with this emission unit: C1FSC1 / C1FSC2 / C1FSC3 | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer for fluff - (PFA Torus Disc Dryer) - Vents through C1FSE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) 03 / 13 / 2019 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Reacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 24 X 7 - 365 days/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.3 | 0.54 |
| Particulate Matter (PM ₁₀) | 0.3 | 0.54 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.7 | 1.6 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emission rates are estimated and documented in 45 CSR 13 R13-2365J and earlier application documents associated with the permit.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as noted in 45 CSR 13 R13-2365J and earlier versions of the permits issued under the 45 CSR 13 permitting program.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

See the R13-2365J permit (or subsequent permits)

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FU | Emission unit name: Process Bin | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (Fluff Bin) - Vents through C1FUE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 24 X 7 - 365 days/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
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| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.2 | 0.22 |
| Particulate Matter (PM ₁₀) | 0.2 | 0.22 |
| Total Particulate Matter (TSP) | 0.2 | 0.22 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emission rates are estimated and documented in 45 CSR 13 R13-2365J and earlier application documents associated with the permit.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as noted in 45 CSR 13 R13-2365J and earlier versions of the permits issued under the 45 CSR 13 permitting program.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

See the R13-2365J permit (or subsequent permits)

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FV | Emission unit name: Extruder | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Extruder (PFA Extruder) - Vents through C1FVE1 | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 24 X 7 - 365 days/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.1 | 0.15 |
| Particulate Matter (PM ₁₀) | 0.1 | 0.15 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.4 | 0.14 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emission rates are estimated and documented in 45 CSR 13 R13-2365J and earlier application documents associated with the permit.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as noted in 45 CSR 13 R13-2365J and earlier versions of the permits issued under the 45 CSR 13 permitting program.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

See the R13-2365J permit (or subsequent permits)

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FV | Emission unit name: Extruder | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Extruder (PFA Extruder) - Vents through C1FVE2 | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 24 X 7 - 365 days/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.5 | 0.08 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emission rates are estimated and documented in 45 CSR 13 R13-2365J and earlier application documents associated with the permit.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as noted in 45 CSR 13 R13-2365J and earlier versions of the permits issued under the 45 CSR 13 permitting program.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

See the R13-2365J permit (or subsequent permits)

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FW | Emission unit name: Ingredient System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient System (Vinyl Ether Feed System) - Vents through Area | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 6000 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01(Trace) | 0.01(Trace) |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ammonia | 0.1 | 0.3 |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Maximum potential Emissions Rate is estimated from deinventory of the system, including the feed line, in 10 minutes.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirement are based on R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring recordkeeping and Reporting is performed as stipulated in R13-2365J or subsequent versions of the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1FW | Emission unit name: Ingredient System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient System (Vinyl Ether Feed System) - Vents through C1FWE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 6000 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 33.2 | 0.36 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.01 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ammonia | 0.1 | 0.3 |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Maximum potential Emissions Rate is estimated from deinventory of the system, including the feed line, in 10 minutes.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirement are based on R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring recordkeeping and Reporting is performed as stipulated in R13-2365J or subsequent versions of the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GA | Emission unit name: Bin | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (Product Cube Bin) - Vents through C1GAE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|--------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.08 | Included with C1FB |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.04 | Included with C1FB |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GB | Emission unit name: Bin | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (Product Cube Bin) - Vents through C1GBE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|--------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.08 | Included with C1FC |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.04 | Included with C1FC |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GC | Emission unit name: Bin | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (Product Cube Bin) - Vents through C1GCE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.1 | Included with C1FC |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | Included with C1FC |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GD | Emission unit name: Bin | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (Product Cube Bin) - Vents through C1GDE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.89 | 2.30 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.01 |
| Total HAPs | 0.01 | 0.01 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 0.08 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GF | Emission unit name: Product Isolation Filter | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Filter - (PFA Fluff Product Isolation Filter) - Area (building ventilation) C1GEE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ammonia | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GG | Emission unit name: Ingredient feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient Feed System - (PFA Ammonium Hydroxide Feed System) Vents through C1GGE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.1 | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ammonia | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GH | Emission unit name: Ingredient feed system | List any control devices associated with this emission unit: See note below for R13-1823 devices | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient Feed System (TFE) - Vents through C1FQE. Also Vents through T1GN and T4IME covered under R13-1823 | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: <225 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 38.6 | 21.76 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.004 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 1.0 | 0.05 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry and physical properties and appearance of the material being handled in the process</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J - A.1 (Table A.1) that lists total emissions for Total VOC, ODC and Acetonitrile from C1FQE. This stream is the reactor C1FQ that is vented at the end of each batch.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the emission points C1FFE and C1FGE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GH | Emission unit name: Ingredient feed system | List any control devices associated with this emission unit: C1FQE>T1GN>T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient Feed System (TFE) - Vents through C1FQE. Also Vents through T1GN and T7IME covered under R13-1823 | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: <225 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 38.6 | 21.76 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.004 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 1.0 | 0.05 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry and physical properties and appearance of the material being handled in the process</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J - A.1 (Table A.1) that lists total emissions for Total VOC, ODC and Acetonitrile from C1FQE. This stream is the reactor C1FQ that is vented at the end of each batch.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the emission points C1FFE and C1FGE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GI | Emission unit name: Conveying System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveying System for Pellets - Rework Conveying System - Vents through C1GIE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GJ | Emission unit name: Conveying System | List any control devices associated with this emission unit: C1GJC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process vessel (Cube preheat vessel - bin) - Vents through C1FGE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: Redacted - Claimed Confidential | Maximum Operating Schedule: Redacted - Claimed Confidential | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.6 | 0.07 |
| Particulate Matter (PM ₁₀) | 0.9 | 0.11 |
| Total Particulate Matter (TSP) | 10 | 1.3 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

The emissions are based on Engineering estimates of expected potential emissions based on chemistry and physical properties and appearance of the material being handled in the process

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J - A.1 (Table A.1) that lists total emissions for Total PM from C1GJE. This stream is processing a powder like material and is subject to 45 CSR 7 with an applicable emission limit based on process throughput.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the emission points C1FFE and C1FGE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

The permittee shall also perform a once-per-month Visual Emission Observation (VEO) using a modified Method 22 procedure that allows for a more rapid assessment of visual discharge than the normal Method 22 as originally approved by EPA. Personnel performing the VEO must be trained and their training records kept to validate their training. In the event a visual emission is seen the operator has the option of shutting the process down to stop the emission or to perform a Method 7 opacity assessment to determine if the emission results in less than 20% opacity.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GK | Emission unit name: Process Sump | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Sump (Supernate Sump) - Vents through Area | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Redacted - Claimed Confidential | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.9 | 0.19 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.01 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Fluorides | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry happening in the process</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J - B.2 that lists total emissions for Total Acetonitrile from C1GKE as part of a number of sources that are held to a maximum hourly and annual emission amount on a combined basis.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit contributing to the emission limitation found in R13-2365JJ - B.2. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GM | Emission unit name: Hopper | List any control devices associated with this emission unit: C1GMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Packout Hopper - PFA Flake Packout Hopper - Vents through C1GME | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GN | Emission unit name: Conveying System | List any control devices associated with this emission unit: C1GNC1 / C1GNC2 (C1FA / C1FB) | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveying System (Fluorination Cube conveying system) - Vents through C1FEE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: Redacted - Claimed Confidential | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 1.4 | 0.3 |
| Total Particulate Matter (TSP) | 1.4 | 0.3 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Fluorides | 0.01 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected potential emissions based on chemistry happening in the process</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1FEE as well as for Hydrofluoric Acid. The hydrofluoric acid emissions assume that constituents present that would hydrolyze to HF will do so.

There is a required applicability for 45 CSR 7 on the common emission point C1FEE for particulate matter emissions based on through-put for the four units [C1FA, C1FB, C1FD and C1FE]

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1FEE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GP | Emission unit name: Conveying System | List any control devices associated with this emission unit: C1GPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveying System (Cube conveying - PFA Packout) - Vents through C1GPE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: Varies | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 0.06 | 0.03 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

The emissions are based on Engineering estimates of expected emissions with the applicable control device in operation. Fines are anticipated to be 0.1% of pellet production and after passage through a bag filter (estimated capture and control at 99%) the emissions give the above estimates.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1GPE. There is a required applicability for 45 CSR 7 on the common emission point C1GPE for particulate matter emissions based on through-put for the three units [C1GT, C1GS and C1GP]

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1GPE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GQ | Emission unit name: Conveying System | List any control devices associated with this emission unit: C1GQC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveying System (Fluff conveying system to Extruder Feed hopper) - Vents through C1GQE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.1 | 0.013 |
| Total Particulate Matter (TSP) | 0.1 | 0.013 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

The emissions are based on Engineering estimates of expected emissions with the applicable control device in operation. Fines are anticipated based on expected output of upstream equipment used to condition the fluff material. The control device is necessary for the separation of the product from the conveying stream which makes the control device for this stream C1GQC a process device rather than an APCD. 45 CSR 7 still applies.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1GQE. There is a required applicability for 45 CSR 7 on the common emission point C1GQE for particulate matter emissions based on through-put of the conveying system. There will be monitoring once monthly for Visual Emissions.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1GPE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

The permittee must perform a once-per-month visual emissions observation (VEO) using an agreed upon modified Method 22 to determine if the bag filter is still operating correctly. These observations must be made by trained personnel and results recorded along with the person performing the VEO assessment.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GR | Emission unit name: Cleaning Station | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cleaning Station (PFA Burnout Station) - Vents through C1GRE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: 120 Screen packs per year | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.01 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.55 | 1.12 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Fluorides | 0.55 | 1.12 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>The emissions are based on Engineering estimates of expected emissions with expected degradation of the polymer from the screen pack through thermal degradation in an electrically heated oven.</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total HF from C1GRE in Table A.1

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1GPE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GS | Emission unit name: Blender | List any control devices associated with this emission unit: C1GPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): PFA Blender - Vents through C1GPE after passing through C1GPC | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1988 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 1.2 | 2.34 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

The emissions are based on Engineering estimates of expected emissions with the applicable control device in operation.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1GPE. There is a required applicability for 45 CSR 7 on the common emission point C1GPE for particulate matter emissions based on through-put for the three units [C1GT, C1GS and C1GP]

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1GPE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GT | Emission unit name: Blender | List any control devices associated with this emission unit: C1GPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): PFA Blender - Vents through C1GPE after passing through C1GPC | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1988 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 1.2 | 2.34 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

The emissions are based on Engineering estimates of expected emissions with the applicable control device in operation.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

There is an applicable requirement from R13-2365J that lists total emissions for Total PM from C1GPE. There is a required applicability for 45 CSR 7 on the common emission point C1GPE for particulate matter emissions based on through-put for the three units [C1GT, C1GS and C1GP]

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The permittee shall perform monthly calculations, based on emission factors and process knowledge, to estimate the emissions from each unit to the common emission point C1GPE. These monthly calculated emissions will be summed with the previous 11 month calculational results and compared to the annual rolling 12-month emissions limitation set forth in the permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GV | Emission unit name: Feed Hopper | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Extruder Feed Hopper - Vents through C1GVE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: Redacted - Claimed Confidential | Maximum Operating Schedule: 8760 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.2 | 0.22 |
| Total Particulate Matter (TSP) | 0.2 | 0.22 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Estimation of emissions is based on emission factors relating the particulate emissions to the amount of material transferred to the hopper and processed through the hopper.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

The amount of particulate emissions allowed are from R113-2365J - A.1 (Table A.1) and is based on the PM10 restriction listed. The emissions reflect anticipated fines present in the polymer being conveyed to the hopper mounted on the extruder.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all applicable requirements for this emission unit? ___Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GW | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Filter receiver Tank (Pannevis Filtrate Receiver Tank) - vents through C1GWE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | Included wth C1FA |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ammonia | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GX | Emission unit name: Ingredient System | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient System (Vinyl ether charge pot) - Vents through separate stack (C1GXE) | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Redacted - Claimed Confidential | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.9 | 0.31 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | Trace | Trace |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Mass balance and engineering Calculations are used to estimate emissions from the operation of the charge pot (used measure Vinyl Ethers added for each batch run in the polymerization vessel). Original Calculations from R13-2365D and unchanged for R13-2365J.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Operation of C1GX is covered by permit R13-2365J - A.1 (table A.1)

The trace amounts of Acetonitrile reported in the emissions are controlled under R13-2365J - A.2 despite the amount being listed as "Trace".

C1GX is also listed as a source subject to 45 CSR 21- 40.a.1 as part of the R13-3223 site-wide permit used to implement the 45 CSR 21 VOC control rule. It is part of the emissions point listing over which the site must demonstrate 90% or better control.[R13-2365J - Table B.8

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Compliance with the emission limitation is done by performing monthly estimates (Calculations) based on production and operation parameters coupled with emission factors to determine the amount of Vinyl ethers emitted from the stack. Emissions are estimated on a "per batch" basis and recordkeeping is used to document the number of each Vinyl Ether using batches on a monthly basis for use in emissions estimation

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1GZ | Emission unit name: Oven | List any control devices associated with this emission unit: C1GZC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Electrically heated oven - Maintenance Cleaning tool for thermal cleaning of polymer coated parts. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: Redacted - Claimed Confidential | Maximum Operating Schedule: 2496 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | 0.01 | 0.01 |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.01 | 0.01 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.51 | 0.18 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Hydrofluoric Acid (vapor) | 0.013 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Mass balance and Engineering estimate based on a projection for the amount of polymer found on contaminated parts that must be cleaned prior to performing the needed assembly, or disassembly of the parts.</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-2365J -A.1 Specifies the emission limits for the unit under C1GZE. Emissions are based on pyrolysis of polymer contained on metal parts that are being cleaned to allow re-use of the parts.

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring for compliance is found in 2365J - B.3(a) for the interlock setting on low flow to the scrubber associated with the vacuum pump and in 2365J - B.3(b) for recording the flow of water to the vacuum pump (and scrubber) when the oven is in use.

Recordkeeping shall keep records of all interlock actions when the interlock is triggered and the unit continues to operate for greater than 30 minutes after the interlock trips.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1LD | Emission unit name: Parts Washer | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Parts washer operated by the area but maintained by contractor from whom it is leased. This includes washing fluid changes and markings and labeling on the unit. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 80 gallons | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 24X7 - 52 weeks/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.3 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Application of ideal gas law and assumptions around the use rate and the physical properties of the washer fluid.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Parts washer is subject to requirements of 45-21-30 "Solvent Metal Cleaning" and specifically 45-21-30.3.a, 45-21-30.4, 45-21-30.5 and 45-21-30.6

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

As required by the listed regulatory citations above.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1ME | Emission unit name: Vent Recovery System | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Vent Recovery System - (PFA Vent System for Reactors) - Vents through MGH to T7IMC (R13-1823) and out emission point T7IME. | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents. Emissions treatment and control covered under R13-1823 for the operation of T7IMC venting through T7IME

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit. Applicable requirements and emission limitations for T7IMC and T7IME are found in the most current version of R13-1823.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit. MRR for the T7IMC unit and the emissions from T7IME are found in the most current version of R13-1823.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1MF | Emission unit name: Vacuum System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Building 184 (PFA) Central Vacuum System - vents out through C1MFE | | | |
| Manufacturer: | Model number: | Serial number: | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-2365J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2365J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2365J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C1NP | Emission unit name: Ammonium Carbonate Scrubber | List any control devices associated with this emission unit: C1NPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ammonium Carbonate Stripper For Ammonia Recovery - Vents through C1NPE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2005 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: | Maximum Operating Schedule: 24X7 - 52 weeks/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.21 | 0.90 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Are you in compliance with all applicable requirements for this emission unit? ___Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2DA | Emission unit name: Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Number 1 Dispersion tank) - Vents through C2DAE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 6.5 | 1.6 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2DE | Emission unit name: Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Number 2 Dispersion tank) - Vents through C2DAE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 6.4 | 1.6 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2DG | Emission unit name: Reactor | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Number 2 reactor - batch process) - Vents through C2EJE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2008 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 14.6 | 3.4 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPS | 0.01 | 0.004 |
| Acetonitrile | 0.01 | 0.002 |
| Toluene | 0.01 | 0.002 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents. Engineering estimates are used to determine the composition of emission streams and the amounts emitted from C1EJE.</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2DH | Emission unit name: Bin | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (Number 2 Sparge Bin) - Vents through C2DHE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 30 PU per hour production | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.1 | 0.04 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.114 | 0.50 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPS | 0.01 | 0.06 |
| Hydrogen Fluoride | 0.01 | 0.06 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Green House Gas | 0.006 | 0.03 |
| CO ₂ | 0.012 | 0.06 |
| Non-regulated | 0.09 | 0.4 |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2DJ | Emission unit name: Process Tank | List any control devices associated with this emission unit: C2DJC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Tank (FEP #1 Coagulator) - Vents through C2DJE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 5.2 | 4.55 |
| Total Particulate Matter (TSP) | 5.2 | 4.55 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3.7 | 3.23 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2DK | Emission unit name: Process Tank | List any control devices associated with this emission unit: C2DKC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Tank (FEP Number 2 Coagulation tank) - Vents through C2DKE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.3 | 0.23 |
| Particulate Matter (PM ₁₀) | 5.2 | 4.55 |
| Total Particulate Matter (TSP) | 5.2 | 4.55 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 6.3 | 5.51 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2DO | Emission unit name: Pellet Conveying System | List any control devices associated with this emission unit: C2EUC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Pellet Conveying System (Pellet Conveying Blower) - Vents through C2EUE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2019 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 30 PU of Pellets per hour | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours per year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 6.94 | 18.54 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.494 | 6.55 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2DS | Emission unit name: Conveyor | List any control devices associated with this emission unit: C2DSC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveying System (FEP Flake Packout Receiver) - Vents through C2DSE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 16 | 0.18 |
| Particulate Matter (PM ₁₀) | 800 | 8.63 |
| Total Particulate Matter (TSP) | 800 | 8.63 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2DW | Emission unit name: Dryer | List any control devices associated with this emission unit: C2DWC1, C2DWC2, C2DTC3 | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer System (FEP #2 Torus Disc Dryer) - Vents through C2DTE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|--------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 78.6 | 183.35 |
| Particulate Matter (PM ₁₀) | 78.6 | 183.35 |
| Total Particulate Matter (TSP) | 78.6 | 183.35 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.4 | 0.8 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EA1 | Emission unit name: Secondary Extruder Feed Hopper | List any control devices associated with this emission unit: C2EA2C | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Polymer Feed System (Secondary Extruder Feed Hopper) - Vents through C2EBE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2019 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 80 PU of process feed per hour | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1600 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.01 | 0.043 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.013 | 0.057 |
| Hydrogen Fluoride | 0.013 | 0.057 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EA2 | Emission unit name: Secondary Extruder Feed Hopper | List any control devices associated with this emission unit: C2EA2C | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Polymer Feed System (Secondary Extruder Feed Hopper) - Vents through C2EBE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2019 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 80 PU of process feed per hour | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1600 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.01 | 0.043 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.013 | 0.057 |
| Hydrogen Fluoride | 0.013 | 0.057 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EB1/C2EB2 | Emission unit name: Compounding Extruder | List any control devices associated with this emission unit: C2EB1C/C2EB2C | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Compounding Extruder (Compounding Extruder) - Vents through C2EBE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2019 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 30 PU of process materials per hour | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.15 | 0.657 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.006 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.008 | 0.04 |
| Hydrogen Fluoride | 0.008 | 0.04 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Green House Gas | 0.028 | 0.13 |
| Non-regulated | 0.044 | 0.20 |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EC | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (FEP Blend Tank) - Vents through C2DAE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 5.5 | 1.51 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EE | Emission unit name: Termonomer Supply System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Termonomer Supply System (Termonomer Supply System) - Vents through Area | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/A | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EF | Emission unit name: Reactor | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor System (Number 3 Reactor - Batch) - Vents through C2EFE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 18 | 7.4 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPS | 0.01 | 0.008 |
| Acetonitrile | 0.01 | 0.005 |
| Toluene | 0.01 | 0.003 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemical (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EG | Emission unit name: Process equipment | List any control devices associated with this emission unit: C2EGC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Equipment (Line Number 3 Agglomerators (Four smaller vessels acting as a single source)) - Vents through C2EGE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.4 | 0.43 |
| Particulate Matter (PM ₁₀) | 7.7 | 8.43 |
| Total Particulate Matter (TSP) | 7.7 | 8.43 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 9.4 | 11.6 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EH | Emission unit name: Dryer | List any control devices associated with this emission unit: C2EHC1, C2EHC2, C2DTC3 | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Product dryer System (FEP Number 3 Torus Disc Dryer) - Vents through C2DTE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 212 | 425.8 |
| Particulate Matter (PM ₁₀) | 212 | 425.8 |
| Total Particulate Matter (TSP) | 212 | 425.8 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.7 | 1.95 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EJ | Emission unit name: Ingredient Supply System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient Supply System (Monomer Supply System) - Vents through C2EFE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1988 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Support batch operation - see C2E | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 67.7 | 0.17 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrochloric Acid | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.3 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EN | Emission unit name: Conveying System | List any control devices associated with this emission unit: C2ENC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveying System (FEP #3 Conveying Flake Line to Compactor) - Vents through C2ENE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours per year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.4 | 1.1 |
| Total Particulate Matter (TSP) | 0.4 | 1.1 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2ER | Emission unit name: Extruder | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Extruder (FEP No. 3 Extruder - Single Screw) - Vents through C2ERE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 1 | 2.73 |
| Total Particulate Matter (TSP) | 1 | 2.73 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4 | 10.5 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2ES | Emission unit name: Extruder | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Extruder (Line 3 Twin Screw Extruder (continuous feed)) - Vents through Monomer Area Under R13-1823 via T7IME | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential 4000 pounds per hour | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 10.2 | 27.94 |
| Total Particulate Matter (TSP) | 10.2 | 27.94 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.28 | 0.77 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Fluorides | 7.6 | 21.00 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2ET | Emission unit name: Bin | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bin (No. 3 Sparge Bin) - Vents through C2ETE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3.3 | 11.2 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.02 | 0.055 |
| Hydrogen Fluoride | 0.02 | 0.055 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EU | Emission unit name: Elutriator | List any control devices associated with this emission unit: C2EUC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Elutriator (Number 3 Elutriator) - Vents through C2EUE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 7.0 | 18.6 |
| Total Particulate Matter (TSP) | 7.0 | 18.6 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EV | Emission unit name: Packout | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Packout (FEP Packout Bag Printer) - Vents through C2EVE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: As needed - Max 8760 Hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.33 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 0.01 | 0.002 |
| Chromium Compounds | 0.01 | 0.001 |
| Methanol | 0.01 | 0.003 |
| Methyl Ethyl Ketone (2-Butanone) | 0.01 | 0.253 |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2EZ | Emission unit name: Loading Station | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Loading Station (Trailer Loading Station) - Vents through C2EZE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | trace | trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KD | Emission unit name: Dryer | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Pellet Dryer (Number 3 Gala Dryer) - Vents through C2KDE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours per year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2 | 0.56 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.06 | 0.20 |
| Hydrogen Fluoride | 0.06 | 0.20 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KJ | Emission unit name: Gala Dryer | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Gala Pellet Dryer - vents through virtual emission point C2EBE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2019 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 30 PU of process materials per hour | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | See C2EB1 Summary | See C2EB1 Summary |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | See C2EB1 Summary | See C2EB1 Summary |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | See C2EB1 Summary | See C2EB1 Summary |
| Hydrogen Fluoride | See C2EB1 Summary | See C2EB1 Summary |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Green House Gas | See C2EB1 Summary | See C2EB1 Summary |
| Non- regulated material | See C2EB1 Summary | See C2EB1 Summary |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KL | Emission unit name: Bag and Drum Dump Station | List any control devices associated with this emission unit: C2KLC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Additive Supply System (Bag and Drum Dump Station) - Vents through C2KLE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2019 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1.3 PU of material per hour | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.124 | 0.272 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KN | Emission unit name: Extruder Supply System | List any control devices associated with this emission unit: C2KNC1 (inherent) /C2KNC2 | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Extruder Supply System (Additive Supply System) - Vents through C2KNE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2019 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1.3 PU per hour | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.01 | 0.01 |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KO | Emission unit name: Process Equipment | List any control devices associated with this emission unit: C2KOC1 / C2KOC2 | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Equipment (Number 3 Rework System - Sparged or Unsparged Cubes) - Vents through C2KOE1 / C2KOE2 | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | | |
| Hydrogen Fluoride | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KP | Emission unit name: Process Equipment | List any control devices associated with this emission unit: C2KPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Equipment (FEP Line 3 Flake Compactor) - Vents through C2KPE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.1 | 0.11 |
| Total Particulate Matter (TSP) | 0.1 | 0.11 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KU | Emission unit name: Ingredient System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient Supply System (F2/N2 Trailer Station) - Vents through C2KUE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2005 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Fluorides | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KW | Emission unit name: Feed Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed Tank (Feed Tank) - Vents through C2DAE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 6.5 | 1.6 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KX | Emission unit name: Storage Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Tergitol Supply Tank) - Vents through C2DAE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KY | Emission unit name: Ion exchange Column | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ion exchange Column (Ion Exchange Column) - Vents through Area | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | trace | > 1 pound per year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C2KZ | Emission unit name: Ion exchange Column | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ion exchange Column (Ion Exchange Column) - Vents through Area | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / 3Q / 2012 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | trace | > 1 pound per year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1953L and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1953L and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1953L and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HA | Emission unit name: Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Number 1 Scrubber Tank - (L3 Abatement System)) - Vents through C3HPE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HB | Emission unit name: Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Number 2 Scrubber Tank - (L3 Abatement System)) - Vents through C3HPE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HD | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (High Intermediates Tank) - Vents through T7IMC to T7IME for Process emissions and to C3HDE for maintenance | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1993 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process: 8760 hours/year Maintenance : 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HG | Emission unit name: Tank | List any control devices associated with this emission unit: C3HGC2 | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Iodine Storage (Melt) Tank) - Vents through C3HGE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 125 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HG | Emission unit name: Tank | List any control devices associated with this emission unit: C3HGC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Iodine Storage (Melt) Tank) - Vents through C3HGE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 209 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HH | Emission unit name: Tank | List any control devices associated with this emission unit: C3HGC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (L2 Iodine 1870 gallons) - Vents through C3HGE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 266 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HI | Emission unit name: Reactor | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (L2 Reactor) - Vents through T7IMC to T7IME for Process emissions and to C3HIE for Maintenance Emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HJ | Emission unit name: Still Pot | List any control devices associated with this emission unit: C3HPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Still Pot (L2 Distillation and Condenser) - Vents to C3HPC and through C3HPE for Process Emissions when the T7IMC unit shuts down during operation. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
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| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HJ | Emission unit name: Still Pot | List any control devices associated with this emission unit: C3IZ>T71MC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Still Pot (L2 Distillation and Condenser) - Vents to T71MC and through T71ME for Process Emissions. Maintenance emissions would be vented through C2HIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HK | Emission unit name: Tank | List any control devices associated with this emission unit: C3HPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (L3 Iodine Weight tank) - Vents through C3HPE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 177 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HL | Emission unit name: Cylinder | List any control devices associated with this emission unit: C3HPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cylinder (Iodine Pentafluoride (IF5) Cylinder) - Vents through C3HPE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 67 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HM | Emission unit name: Tank | List any control devices associated with this emission unit: C3HPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (L3 Iodine Pentafluoride (IF5) Weight tank) - Vents through C3HPE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 224 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HN | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (L3 PFEI Intermediates tank) - Vents through T7IMC to T7IME for Process Emissions and to C3HPE for maintenance emissions | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| Emission Unit Description | | | |
| Emission unit ID number: C3HO | Emission unit name: Reactor | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (L3 Reactor) - Vents through T7IMC to T7IME for Process Emissions and to C3HPE for Maintenance Emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HP | Emission unit name: Cylinder | List any control devices associated with this emission unit: C3HPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cylinder (Antimony Pentafluoride (SbF5) Cylinder) - Vents through C3HPE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 5 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HQ | Emission unit name: Still Pot | List any control devices associated with this emission unit: C3IZ>T7IMC of None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Still Pot (L3 Distillation and Condenser) - Vents through T7IMC to T7IME for Process Emissions and out C3HPE for Maintenance Emissions | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| Emission Unit Description | | | |
| Emission unit ID number: C3HS | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (LO Intermediates Tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance Emissions | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HT | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (PFBI Storage tank) - Vents through T7IMC to T7IME for process emissions. Vents to C3HIE for maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3HX | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Telomer AN product Storage Tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|------------------|
| Emission Unit Description | | | |
| Emission unit ID number: C3ID | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Telomer A (AL) Product Storage tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IE | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Telomer A (AL) Product Storage tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IF | Emission unit name: Tank | List any control devices associated with this emission unit: C3HPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (L2 Iodine Pentafluoride (IF5) Weight Tank) - Vents through C3HPE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 224 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IG | Emission unit name: Bulk Loading | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Bulk loading (Telomer Bulk Loading Trailer Spot) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance emissions. Vapor balancing is used for trailer loading and the vapor is then vented out to the designated device when the tank is refilled with new product. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IH | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Utility tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HIE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IJ | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Telomer A (AL) Product Storage tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HIE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| Emission Unit Description | | | |
| Emission unit ID number: C3IK | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Spent Scrubber Solution Tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HIE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IL | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (L2 PFEI Intermediates tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HIE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IM | Emission unit name: Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Tempered Brine Storage Tank) - Vents through C3IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 4381 Hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IN | Emission unit name: Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Telomer L2 -10 Degree C Brine Tank) - Vents to C3INE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 4381 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IO | Emission unit name: Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (L3 -10 Degree C Brine Tank - Ethylene Glycol) - Vents through C3IOE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 366 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.18 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IT | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Packout Tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Process - 8760 hours/year Maintenance - 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IV | Emission unit name: Charge Pot | List any control devices associated with this emission unit: C3HPC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Charge Pot (Antimony Pentafluoride (SbF5) Charge Pot) - Vents through C3HPE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 545 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IW | Emission unit name: Cleaning Area | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cleaning Area (Equipment Decontamination area) - Vents to area as there is no spot ventilation or stack associated with the area. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 900 square feet | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2190 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | 2.0 | 0.07 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.5 | 0.002 |
| Hydrogen Fluoride | 0.5 | 0.002 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IX | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Telomer A-OP Product Storage tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IY | Emission unit name: Tank | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Telomer A-HP Product Tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) 04 / 15 / 2005 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 Hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3IZ | Emission unit name: Tank | List any control devices associated with this emission unit: T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Vent Accumulator Tank) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) 10 / 15 / 2004 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: C3JA | Emission unit name: Filter | List any control devices associated with this emission unit: C3IZ>T7IMC or None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Filter (Line 3 Product filter w/ hydraulic lid (Sparkler)) - Vents through T7IMC to T7IME for Process Emissions and through C3HPE for Maintenance emissions. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) 04 / 15 / 2008 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.4 | 1.352 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-23911 and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-2391I and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-2391I and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BB | Emission unit name: Compressor & Intercooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Compressor and Intercooler (Number 6 Compressor) - Vents to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1987 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 25.4 | 0.18 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 | 0.001 |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 10.53 | 0.071 |
| Chloroform | 0.01 | 0.001 |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 68.5 | 0.64 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BC | Emission unit name: Compressor & Intercooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Compressor and Intercooler (Number 7 Compressor) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1987 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 24.7 | 0.17 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 | 0.001 |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 10.22 | 0.070 |
| Chloroform | 0.01 | 0.001 |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 66.4 | 0.62 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BD | Emission unit name: Compressor & Intercooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Compressor and Intercooler (Number 8 Compressor) - Vents to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1987 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 26 | 0.18 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 | 0.001 |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 10.80 | 0.073 |
| Chloroform | 0.01 | 0.001 |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 70.2 | 0.66 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BE | Emission unit name: Process Cooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Cooler (Pyrolysate Cooler No. 1) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|--------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 13.4 (Total T1B1 - T1BJ) | 0.43 (Total T1B1 - T1BJ) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 5.53 (Total T1B1 - T1BJ) | 0.177 (Total T1B1 - T1BJ) |
| Hydrogen Fluoride | 0.01 (Total T1B1 - T1BJ) | 0.001 (Total T1B1 - T1BJ) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 17.5 (Total T1B1 - T1BJ) | 0.56 (Total T1B1 - T1BJ) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BF | Emission unit name: Process Cooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Cooler (Pyrolysate Cooler No. 2) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|--------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 13.4 (Total T1B1 - T1BJ) | 0.43 (Total T1B1 - T1BJ) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 5.53 (Total T1B1 - T1BJ) | 0.177 (Total T1B1 - T1BJ) |
| Hydrogen Fluoride | 0.01 (Total T1B1 - T1BJ) | 0.001 (Total T1B1 - T1BJ) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 17.5 (Total T1B1 - T1BJ) | 0.56 (Total T1B1 - T1BJ) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BG | Emission unit name: Process Cooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Cooler (Pyrolysate Cooler No. 3) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|--------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 13.4 (Total T1B1 - T1BJ) | 0.43 (Total T1B1 - T1BJ) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 5.53 (Total T1B1 - T1BJ) | 0.177 (Total T1B1 - T1BJ) |
| Hydrogen Fluoride | 0.01 (Total T1B1 - T1BJ) | 0.001 (Total T1B1 - T1BJ) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 17.5 (Total T1B1 - T1BJ) | 0.56 (Total T1B1 - T1BJ) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BH | Emission unit name: Process Cooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Cooler (Pyrolysate Cooler No. 4) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|--------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 13.4 (Total T1B1 - T1BJ) | 0.43 (Total T1B1 - T1BJ) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 5.53 (Total T1B1 - T1BJ) | 0.177 (Total T1B1 - T1BJ) |
| Hydrogen Fluoride | 0.01 (Total T1B1 - T1BJ) | 0.001 (Total T1B1 - T1BJ) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 17.5 (Total T1B1 - T1BJ) | 0.56 (Total T1B1 - T1BJ) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BI | Emission unit name: Process Cooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Cooler (Pyrolysate Cooler No. 5) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|--------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 13.4 (Total T1B1 - T1BJ) | 0.43 (Total T1B1 - T1BJ) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 5.53 (Total T1B1 - T1BJ) | 0.177 (Total T1B1 - T1BJ) |
| Hydrogen Fluoride | 0.01 (Total T1B1 - T1BJ) | 0.001 (Total T1B1 - T1BJ) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 17.5 (Total T1B1 - T1BJ) | 0.56 (Total T1B1 - T1BJ) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BJ | Emission unit name: Process Cooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Cooler (Pyrolysate Cooler No. 6) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|--------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 13.4 (Total T1B1 - T1BJ) | 0.43 (Total T1B1 - T1BJ) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 5.53 (Total T1B1 - T1BJ) | 0.177 (Total T1B1 - T1BJ) |
| Hydrogen Fluoride | 0.01 (Total T1B1 - T1BJ) | 0.001 (Total T1B1 - T1BJ) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 17.5 (Total T1B1 - T1BJ) | 0.56 (Total T1B1 - T1BJ) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BP | Emission unit name: Storage Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Storage Tank - Distillate Storage Tank No. 1) - Vents to T7XIC and out T7XIE. Brine Chilled Condenser on tank vent to assist in refrigeration of tank contents | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1978 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|----------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 901.4 (Total T1BP - T1BT) | 9.66 (Total T1BP - T1BT) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 704.65 (Total T1BP - T1BT) | 7.548 (Total T1BP - T1BT) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.1 (Total T1BP - T1BT) | 0.01 (Total T1BP - T1BT) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BQ | Emission unit name: Storage Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Storage Tank - Distillate Storage Tank No. 2) - Vents to T7XIC and out T7XIE. Brine Chilled Condenser on Tank vents to assist in process refrigeration of tank contents. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1978 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|----------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 901.4 (Total T1BP - T1BT) | 9.66 (Total T1BP - T1BT) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 704.65 (Total T1BP - T1BT) | 7.548 (Total T1BP - T1BT) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.1 (Total T1BP - T1BT) | 0.01 (Total T1BP - T1BT) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BR | Emission unit name: Storage Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Storage Tank - Distillate Storage Tank No. 3) - Vents to T7XIC and out T7XIE. Brine Chilled Condenser on Tank vents to assist in process refrigeration of tank contents. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1978 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|----------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 901.4 (Total T1BP - T1BT) | 9.66 (Total T1BP - T1BT) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 704.65 (Total T1BP - T1BT) | 7.548 (Total T1BP - T1BT) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.1 (Total T1BP - T1BT) | 0.01 (Total T1BP - T1BT) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BS | Emission unit name: Storage Tank | List any control devices associated with this emission unit: T7XIC | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Storage Tank - Distillate Storage Tank No. 4) - Vents to T7XIC and out T7XIE. Brine Chilled Condenser on Tank vents to assist in process refrigeration of tank contents.</p> | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1978 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|----------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 901.4 (Total T1BP - T1BT) | 9.66 (Total T1BP - T1BT) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 704.65 (Total T1BP - T1BT) | 7.548 (Total T1BP - T1BT) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.1 (Total T1BP - T1BT) | 0.01 (Total T1BP - T1BT) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BT | Emission unit name: Storage Tank | List any control devices associated with this emission unit: T7XIC | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Storage Tank - Distillate Storage Tank No. 5) - Vents to T7XIC and out T7XIE. Brine Chilled Condenser on Tank vents to assist in process refrigeration of tank contents.</p> | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1978 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|----------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 901.4 (Total T1BP - T1BT) | 9.66 (Total T1BP - T1BT) |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 704.65 (Total T1BP - T1BT) | 7.548 (Total T1BP - T1BT) |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.1 (Total T1BP - T1BT) | 0.01 (Total T1BP - T1BT) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BW | Emission unit name: Absorber | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Absorber (Absorber - HF No. 2) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 8.6 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 7.19 | 31.141 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 33.5 | 0.81 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1BX | Emission unit name: Absorber | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Absorber (Absorber - HF No. 3) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 8.6 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 7.19 | 31.141 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 33.5 | 0.81 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CA | Emission unit name: Furnace | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Furnace (Furnace - Clear and Prepare No. 6) - Vents to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1994 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 2.4 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 15.8 | 0.16 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CA | Emission unit name: Furnace | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Furnace (Furnace - Combustion No. 6) - Vents to T1CAE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1994 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: Redacted - Claimed Confidential | | Type and Btu/hr rating of burners: 36 burners at 0.24 MM BTU/Hr. each | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas -405 pph | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| Natural gas | 0.003 | | 1006 |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | 0.70 | 3.1 |
| Nitrogen Oxides (NO _x) | 0.83 | 3.7 |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.1 | 0.3 |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | 0.1 | 0.1 |
| Volatile Organic Compounds (VOC) | 0.1 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CB | Emission unit name: Furnace | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Furnace (Furnace - Clear and Prepare No. 7) - Vents to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1994 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 189 | 0.1 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 63.4 | 0.57 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CB | Emission unit name: Furnace | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Furnace (Furnace - Combustion No. 7) - Vents to T1CBE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1994 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 Hours/Year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: Redacted - Claimed Confidential | | Type and Btu/hr rating of burners: 12.5 | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Not Applicable | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| Natural Gas | 0.003 | | 1006 |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | 1.1 | 4.58 |
| Nitrogen Oxides (NO _x) | 1.3 | 5.46 |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.1 | 0.42 |
| Particulate Matter (PM ₁₀) | 0.1 | 0.42 |
| Total Particulate Matter (TSP) | 0.1 | 0.42 |
| Sulfur Dioxide (SO ₂) | 0.1 | 0.04 |
| Volatile Organic Compounds (VOC) | 0.1 | 0.3 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents. AP-42 factors used

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CC | Emission unit name: Furnace | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Furnace (Furnace - Clear and Prepare No. 8) - Vents to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1994 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 9.6 | 0.09 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 63.4 | 0.57 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CC | Emission unit name: Furnace | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Furnace (Furnace - Combustion No. 8) - Vents to T1CCE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1994 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 Hours/Year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: Redacted - Claimed Confidential | | Type and Btu/hr rating of burners: 12.5 | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Not Applicable | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| Natural Gas | 0.003 | | 1006 |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | 1.1 | 4.58 |
| Nitrogen Oxides (NO _x) | 1.3 | 5.46 |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.1 | 0.42 |
| Particulate Matter (PM ₁₀) | 0.1 | 0.42 |
| Total Particulate Matter (TSP) | 0.1 | 0.42 |
| Sulfur Dioxide (SO ₂) | 0.1 | 0.04 |
| Volatile Organic Compounds (VOC) | 0.1 | 0.3 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents. AP-42 factors used

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CD | Emission unit name: Furnace | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Furnace (Furnace - Clear and Prepare No. 9) - Vents to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 10.1 | 0.11 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 66.6 | 0.68 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CD | Emission unit name: Furnace | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Furnace (Furnace - Combustion No. 9) - Vents to T1CDE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 Hours/Year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: Redacted - Claimed Confidential | | Type and Btu/hr rating of burners: 12 | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Not Applicable | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| Natural Gas | 0.003 | | 1006 |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | 1.1 | 4.41 |
| Nitrogen Oxides (NO _x) | 1.2 | 5.25 |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.1 | 0.4 |
| Particulate Matter (PM ₁₀) | 0.1 | 0.4 |
| Total Particulate Matter (TSP) | 0.1 | 0.4 |
| Sulfur Dioxide (SO ₂) | 0.1 | 0.04 |
| Volatile Organic Compounds (VOC) | 0.1 | 0.29 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents. AP-42 factors used

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CK | Emission unit name: Aftercoolers | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Aftercoolers (Aftercooler - East) - Vents to T7XIC and out T7XIE for maintenance purposes. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3.5 | 0.09 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 1.43 | 0.038 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 4.6 | 0.12 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CL | Emission unit name: Aftercoolers | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Aftercoolers (Aftercooler - West) - Vents to T7XIC and out T7XIE for maintenance purposes. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3.5 | 0.09 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 1.43 | 0.038 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 4.6 | 0.12 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CV | Emission unit name: Dryer | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer (Side stream Dryer - F-22 Column) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 39.3 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 5.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1CW | Emission unit name: Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Emergency Storage Tank) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 81.5 | 0.09 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 107.0 | 0.11 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DB | Emission unit name: Dryer | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer (Mixed Gas Holder - Recycle Gas Dryer #1) - Vents through T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 8.9 | 1.45 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents.

Engineering estimate - Emissions can flow to T1DBE (evacuate) or T7XIE (N2 Purge)

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DB | Emission unit name: Dryer | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer (Mixed Gas Holder - Recycle Gas Dryer #1) - Vents through T1DBE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.2 | 0.19 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Methyl tert butyl ether | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents.

Engineering estimate - Emissions can flow to T1DBE (evacuate) or T7XIE (N2 Purge)

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DC | Emission unit name: Dryer | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer (Mixed Gas Holder - Recycle Gas Dryer #2) - Vents through T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 8.9 | 1.45 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents.

Engineering estimate - Emissions can flow to T1DBE (evacuate) or T7XIE (N2 Purge)

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DC | Emission unit name: Dryer | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer (Mixed Gas Holder - Recycle Gas Dryer #2) - Vents through T1DBE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.2 | 0.19 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Methyl tert butyl ether | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents.

Engineering estimate - Emissions can flow to T1DBE (evacuate) or T7XIE (N2 Purge)

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DD | Emission unit name: Coolers | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler (Cooler No. 7 - Pyrolysate) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.3 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.4 | 0.02 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DD | Emission unit name: Coolers | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler (Cooler No. 7 - Pyrolysate) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.6 | 0.66 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 16.5 | 0.86 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DE | Emission unit name: Coolers | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler (Cooler No. 8 - Pyrolysate) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.3 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.4 | 0.02 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DE | Emission unit name: Coolers | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler (Cooler No. 8 - Pyrolysate) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.6 | 0.66 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 16.5 | 0.86 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DF | Emission unit name: Coolers | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler (Cooler No. 9 - Pyrolysate) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.3 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.4 | 0.02 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DF | Emission unit name: Coolers | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler (Cooler No. 9 - Pyrolysate) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.6 | 0.66 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 16.5 | 0.86 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DG | Emission unit name: Process Bag Filter | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Bag Filter (Bag Filter and Bag Filter Dust Tote No. 6) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.8 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 2.00 | 0.019 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 6.3 | 0.06 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DG | Emission unit name: Process Bag Filter | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Bag Filter (Bag Filter and Bag Filter Dust Tote No. 6) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 206.2 | 1.93 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.06 | 0.001 |
| Hydrogen Chloride | 85.57 | 0.798 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 270.6 | 2.53 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DH | Emission unit name: Process Bag Filter | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Bag Filter (Bag Filter and Bag Filter Dust Tote No. 7) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.8 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 2.00 | 0.019 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 6.3 | 0.06 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DH | Emission unit name: Process Bag Filter | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Bag Filter (Bag Filter and Bag Filter Dust Tote No. 7) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 206.2 | 1.93 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.06 | 0.001 |
| Hydrogen Chloride | 85.57 | 0.798 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 270.6 | 2.53 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DI | Emission unit name: Vaporizer | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Vaporizer (Vaporizer - Compressor Area F-22) - Vents out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 | 0.001 |
| Chloroform | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.4 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DI | Emission unit name: Vaporizer | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Vaporizer (Vaporizer - Compressor Area F-22) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 | 0.001 |
| Chloroform | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 15.7 | 0.02 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DS | Emission unit name: Snubber Tank and Compressor Inlet piping | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Snubber Tank and Compressor Inlet piping (Common system) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 225.2 | 0.23 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.06 | 0.001 |
| Hydrogen Chloride | 93.48 | 0.094 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 295.6 | 0.3 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DT | Emission unit name: Spare Intercooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Spare Intercooler (Spare Intercooler - Prep for Maintenance) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1999 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 9.5 | 0.04 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 3.92 | 0.016 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 12.4 | 0.05 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DU | Emission unit name: Compressor Area Common High pressure piping | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Compressor Area Common High pressure piping (Common High pressure piping) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 45.7 | 0.1 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.02 | 0.001 |
| Hydrogen Chloride | 19.75 | 0.046 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 62.3 | 0.13 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1DU | Emission unit name: Compressor Area Common High pressure piping | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Compressor Area Common High pressure piping (Common High pressure piping) - Vents to T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 6.9 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 2.83 | 0.006 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 9.0 | 0.02 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1EE | Emission unit name: Analyzer Vents | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Analyzer Vents (Analyzer Vents) - Vents to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 - 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 14.4 | 0.52 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 5.91 | 0.215 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 15.0 | 0.54 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1EV | Emission unit name: Shipping Trailers | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Shipping Trailers (Tank trucks clearing for Maintenance) - Vents to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Trailer Cleaning Events | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 69.2 | 0.28 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 54.03 | 0.217 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1GN | Emission unit name: Mixed Gas Holder | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Mixed Gas Holder (Mixed Gas Holder fugitive process vent) - Vents through T1GNE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hour/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1377.9 | 1.38 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1JB | Emission unit name: Raw Material Unloading | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Raw Material Unloading (Raw Material Unloading - Rail cars and Tank Cars) - Vents through T1JBE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2007 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours per year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 | 0.001 |
| Chloroform | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 21.3 | 2.94 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1JG | Emission unit name: Parts Washer | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Parts Washer (Parts Washer) - Vents through T1JGE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/Ap - Leased | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.3 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1LA | Emission unit name: Aftercoolers | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Aftercoolers (Aftercooler - Number 3) - Vents to T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3.5 | 0.09 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 1.43 | 0.038 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 4.6 | 0.12 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1LB | Emission unit name: Raw Material Storage Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Raw Material Storage Tank (Raw Material Storage Tank) - Vents through T1XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1955 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2 [Total T1LB - T1LE] | 0.01 [Total T1LB - T1LE] |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 [Total T1LB - T1LE] | 0.001 [Total T1LB - T1LE] |
| Chloroform | 0.01 [Total T1LB - T1LE] | 0.001 [Total T1LB - T1LE] |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 431.9 [Total T1LB - T1LE] | 1.30 [Total T1LB - T1LE] |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1LC | Emission unit name: Raw Material Storage Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Raw Material Storage Tank (Raw Material Storage Tank) - Vents through T1XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1955 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2 [Total T1LB - T1LE] | 0.01 [Total T1LB - T1LE] |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 [Total T1LB - T1LE] | 0.001 [Total T1LB - T1LE] |
| Chloroform | 0.01 [Total T1LB - T1LE] | 0.001 [Total T1LB - T1LE] |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 431.9 [Total T1LB - T1LE] | 1.30 [Total T1LB - T1LE] |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1LD | Emission unit name: Raw Material Storage Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Raw Material Storage Tank (Raw Material Storage Tank) - Vents through T1XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2[Total T1LB - T1LE] | 0.01 [Total T1LB - T1LE] |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 [Total T1LB - T1LE] | 0.001 [Total T1LB - T1LE] |
| Chloroform | 0.01 [Total T1LB - T1LE] | 0.001 [Total T1LB - T1LE] |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 431.9 [Total T1LB - T1LE] | 1.30 [Total T1LB - T1LE] |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1LE | Emission unit name: Raw Material Storage Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Raw Material Storage Tank (Raw Material Storage Tank) - Vents through T1XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------------|---------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2 [Total T1LB - T1LE] | 0.01 [Total T1LB - T1LE] |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 [Total T1LB - T1LE] | 0.001 [Total T1LB - T1LE] |
| Chloroform | 0.01 [Total T1LB - T1LE] | 0.001 [Total T1LB - T1LE] |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 431.9 [Total T1LB - T1LE] | 1.30 [Total T1LB - T1LE] |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1LF | Emission unit name: Storage Tank and Vaporizer | List any control devices associated with this emission unit: T2ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank and Vaporizer (Storage Tank and Vaporizer - Anhydrous HCL) - Vents to T2ERC and out T2ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hour/event - 2 events/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 2.82 | 0.003 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 10.0 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1LH | Emission unit name: Feed Pump | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed Pump (Feed Pump No. 1 - F-22) - Vents to T1LHE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 12 hours/year venting | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 | 0.001 |
| Chloroform | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 63.9 | 0.26 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1LI | Emission unit name: Feed Pump | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed Pump (Feed Pump No. 1 - F-22) - Vents to T1LIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 12 hours/year venting | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Phosgene | 0.01 | 0.001 |
| Chloroform | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 63.9 | 0.26 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XA | Emission unit name: Compressor | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Compressor (Compressor - Seal Purge - Number 9) - Vents through T7IMC to T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 14.6 | 0.09 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 6.05 | 0.037 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 19.2 | 0.12 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XA | Emission unit name: Compressor | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Compressor (Compressor - Seal Purge - Number 9) - Vents through T7XIC to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 14.6 | 0.09 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.21 | 0.014 |
| Phosgene | 0.01 | 0.001 |
| Chloroform | 0.01 | 0.001 |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 40.2 | 0.29 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XA | Emission unit name: Compressor | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Compressor (Compressor - Seal Purge - Number 9) - Vents to T1XAE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 51.0 | 22.34 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XC-A | Emission unit name: Absorber | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Absorber (Absorber - HF Number 4A) - Vents through T7IMC to T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 8.6 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 7.19 | 31.141 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 33.5 | 0.81 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XC-C | Emission unit name: Absorber | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Absorber (Absorber - HF Number 4C) - Vents through T7IMC to T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 8.6 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 7.19 | 31.141 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 33.5 | 0.81 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XD | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Distillation Column (Distillation Column - Condenser Operating Vent - Primary Column) - Vents through T7IMC to T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 309.4 | 1.82 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 133.49 | 0.848 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 406.1 | 2.07 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XD | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Distillation Column (Distillation Column - Condenser Operating Vent - Primary Column) - Vents through T7XIC to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 2794.7 | 11.12 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.02 | 0.001 |
| Hydrogen Chloride | 2190.25 | 8.620 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 91.2 | 0.24 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XG | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Distillation Column (Distillation Column, attached equipment and piping (F-22, F-22 VAP & Sep, F-22 Column tails Line)) - Vents through T7IMC to T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 59.6 | 0.22 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.04 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| Phosgene | 0.01 | 0.001 |
| Chloroform | 0.01 | 0.001 |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 175.1 | 0.78 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| Emission Unit Description | | | |
| Emission unit ID number: T1XG | Emission unit name: Column | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column and Attached equipment and piping (F-22, F-22 Vaporizer and Separator, F-22 Column Tails line)) - Vents through T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 46.3 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Chloroform | 0.01 | 0.001 |
| Hydrochloric Acid | 0.01 | 0.001 |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Phosgene | 0.01 | 0.001 |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 4.1 | 0.02 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-21823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XO | Emission unit name: Distillation Column - Feed Condenser | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Distillation Column Feed Condenser (Distillation Column Feed Condenser and Piping - Clear for Maintenance - Primary Column) - Vents through T7XIC to T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.4 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 0.5 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T1XO | Emission unit name: Distillation Column - Feed Condenser | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Distillation Column Feed Condenser (Distillation Column Feed Condenser and Piping - Clear for Maintenance - Primary Column) - Vents through T7IMC to T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 13.7 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| Hydrogen Chloride | 5.56 | 0.008 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals | 17.9 | 0.03 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2EN | Emission unit name: Tank Car Loading | List any control devices associated with this emission unit: T2ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank Car Loading (Rail Car and Tank Car Loading - 36% HCL in water) - Vents out T2ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2005 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 3.65 | 1.972 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2ER | Emission unit name: Storage Tank | List any control devices associated with this emission unit: T2ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Product Storage Tank - 36% HCL in water) - Vents out T2ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2005 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|--------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 9.64 | 35.841 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2ES | Emission unit name: Air Stripper | List any control devices associated with this emission unit: T2ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Air Stripper (Acid Air Stripper - DuPont Design) - Vents out T2ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|----------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.11 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 541.52 | 1694.184 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2ET | Emission unit name: Product Tank (HCL) | List any control devices associated with this emission unit: T2ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Product Tank (Product Tank (HCL)) - Vents through T2ERC and out T2ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2015 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 0.32 | 1.40 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2EU | Emission unit name: Product Tank (HCL) | List any control devices associated with this emission unit: T2ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Product Tank (Product Tank (HCL)) - Vents through T2ERC and out T2ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2015 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 0.32 | 1.40 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2EX | Emission unit name: Trailer Loading | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Trailer Loading (Monomer shipping Facility - TFE/CO2 - Trailer Loading and unloading - trailer manifold purge) - Vents out through T7IMC to T7IME | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 250 | 30.18 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2EX | Emission unit name: Trailer Loading | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Trailer Loading (Monomer shipping Facility - TFE/CO2 - Trailer Loading and unloading - trailer manifold purge) - Vents out T2EXE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.8 | 0.45 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2EY | Emission unit name: Analyzer | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Analyzer (Monomer Shipping Facility - TFE/CO2 - Trailer loading and Unloading - Analyzer vent) - Vents out T7EYE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.3 | 1.13 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XH | Emission unit name: Cooler / Absorber | List any control devices associated with this emission unit: T7ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler / Absorber(Cooler / Absorber #1) - Vents out T7ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.7 | 0.53 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XH | Emission unit name: Cooler / Absorber | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler / Absorber(Cooler / Absorber #1) - Vents through T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.7 | 5.26 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XJ | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column(Column - Dimer Purification) - Vents through T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.11 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XJ | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column(Column - Dimer Purification) - Vents through T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 876 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 43.8 | 0.43 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XL | Emission unit name: Cooler / Absorber | List any control devices associated with this emission unit: T7ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler / Absorber(Cooler / Absorber #2) - Vents out T7ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 876 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.7 | 0.53 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XL | Emission unit name: Cooler / Absorber | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler / Absorber(Cooler / Absorber #2) - Vents through T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.7 | 5.26 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XM | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column - HCL Column) - Vents through T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 25.9 | 0.5 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 25.86 | 0.496 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XM | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column - HCL Column) - Vents through T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|----------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 561.6 | 14.27 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 12242.19 | 1516.356 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XN | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column - Dimer Removal) - Vents through T7IMC and out T7IME. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 14.6 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XN | Emission unit name: Column | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column - Dimer Removal) - Vents through T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3.2 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XQ | Emission unit name: Vaporizer | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Vaporizer (Vaporizer - Cooler Maintenance Clearing - Distillate) - Vents through T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 2.35 | 0.004 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XS | Emission unit name: Column Feed Cooler | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column Feed Cooler (Column Feed Cooler Maintenance Clearing (3) - DRC) - Vents through T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 7.9 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XT | Emission unit name: Absorption Bed | List any control devices associated with this emission unit: T2ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Absorption Bed (Absorption Bed - #1 Fluoride) - Vents through T2ERC and out T2ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 44.39 | 0.089 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XU | Emission unit name: Absorption Bed | List any control devices associated with this emission unit: T2ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Absorption Bed (Absorption Bed - #2 Fluoride) - Vents through T2ERC and out T2ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 44.39 | 0.089 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T2XV | Emission unit name: Cooler Loop | List any control devices associated with this emission unit: T2ERC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooler Loop (Cooler Loop Maintenance Clearing (3) - Dimer) - Vents through T2ERC and out T2ERE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 15.9 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T3FB | Emission unit name: Furnace | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Furnace (Furnace Maintenance Clearing - HFP Synthesis) - Vents through T7XIC and out T7XIE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 20 | 0.08 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 2.11 | 0.007 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 3.4 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GB | Emission unit name: Storage Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Storage Tank) - Vents out T4GBE. | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1987 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 9.9 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 9.83 | 0.021 |
| Toluene | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GK | Emission unit name: Shipping Containers | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Shipping Containers (Spec 51 Tanks - Shipping Containers) - Vents through T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1983 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 100 shipping containers | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | | 0.016 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-21823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GM | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column - T4A Column) - Vents out through T7IMC and T7IME | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Cubic Feet | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|---------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1118 | 4643.91 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 2.26 | 9.870 |
| Hydrogen Fluoride | 1.08 | 4.693 |
| Chloroform | 0.70 | 3.066 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting chemicals (ODC) | 485.8 | 2127.52 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GO | Emission unit name: Recycle Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Recycle Tank (Recycle Tank - Dimer Storage Tank) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1979 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 23.8 | 0.13 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GO | Emission unit name: Recycle Tank | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Recycle Tank (Recycle Tank - Dimer Storage Tank) - Vents out through T7IMC and T7IME | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1979 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 499.9 | 0.75 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 94.94 | 0.143 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GP | Emission unit name: Feed Tank | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed Tank (Feed Tank - #1 Dimer Feed Tank) - Vents out through T7IMC and T7IME | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1983 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 7.7 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GP | Emission unit name: Feed Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed Tank (Feed Tank - #1 Dimer Feed Tank) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1983 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GQ | Emission unit name: Recycle Tank | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Recycle Tank (Recycle Tank - #2 Dimer Feed Tank) - Vents out through T7IMC and T7IME | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1983 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 7.7 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GQ | Emission unit name: Recycle Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Recycle Tank (Recycle Tank - #2 Dimer Feed Tank) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1983 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GS | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column - T4B Column) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | | |
| Hydrogen Fluoride | | |
| Chloroform | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting chemicals (ODC) | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GT | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column - HFP/Dimer Column) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 142 | 0.22 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GU | Emission unit name: Storage Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (#1 Refined Storage Tank - HFP) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 92.1 | 0.47 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GV | Emission unit name: Storage Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (#2 Refined Storage Tank - HFP) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 92.1 | 0.47 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GW | Emission unit name: Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#1 Shipping Tank - HFP) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1993 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 471.9 | 0.71 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4GX | Emission unit name: Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#2 Shipping Tank - HFP) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1999 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1348 | 2.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4KA | Emission unit name: Cylinder Loading | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cylinder Loading(Cylinder Loading - Evacuation for Inspection - HFP Cylinder loading) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 250 small Cylinders 100 ISO containers | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 7.1 | 2.07 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4KB | Emission unit name: Feed Tank | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed Tank (Feed Tank - HFP Feed Tank) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1993 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 362.4 | 0.55 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4KC | Emission unit name: Truck Loading | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Truck Loading (Truck Loading / Container Loading - HFP Tank) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 27 trailers | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 217.5 | 1.31 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4KD | Emission unit name: Tank Car Loading | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank Car Loading (Tank Car Loading - HFP Tank) - Vents out through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1982 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Redacted - Claimed Confidential | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 988.4 | 2.97 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4XK | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column and Attached equipment and piping (Heels column and Column Pot)) - Vents through T7XIC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Maintenance Emission - R13-1823 Cond. 4.1.4 | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 17.1 | 0.04 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-21823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T4XK | Emission unit name: Distillation Column | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Column (Column and Attached equipment and piping (Heels column and Column Pot)) - Vents through T7IMC and T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 Hours/Year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|--------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 920.6 | 617.96 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Chloroform | 0.67 | 4.255 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 439.9 | 239.95 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-21823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7AA | Emission unit name: Tank | List any control devices associated with this emission unit: T7XIC | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Cold Brine Process Tank) - Vents through T7XIC and out T7XIE. T7XIC is not effective on material emissions from the tank.</p> | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 32.3 | 0.33 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 0.08 | 0.001 |
| Methylene Chloride | 429.47 | Total including T7AB - 33.95 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7AB | Emission unit name: Methylene Chloride System Losses | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Methylene Chloride System Losses (Methylene Chloride System Losses) - Vents through T7ABE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Methylene Chloride | | Total Including T7AA - 33.95 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7AK | Emission unit name: Cooling Tower | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Cooling Tower (Cooling Tower Cell) - Vents through T7AKE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 1.3 | 4.23 |
| Particulate Matter (PM ₁₀) | 1.3 | 4.23 |
| Total Particulate Matter (TSP) | 1.3 | 4.23 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Toluene | Trace (ppb) | Trace |
| Methylene Chloride | Trace (ppb) | Trace |
| Total HAPs | Trace (ppb) | Trace |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7EI | Emission unit name: North Still house Vacuum System | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): North Still house Vacuum System (Misc. Vents) - Vents through T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|----------------------------|-----------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.13 (Total T7EI and T7XI) | 0.028 (Total T7EI and T7XI) |
| Hydrogen Chloride | 0.01 (Total T7EI and T7XI) | 0.001 (Total T7EI and T7XI) |
| Hydrogen Fluoride | 0.01 (Total T7EI and T7XI) | 0.002 (Total T7EI and T7XI) |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.5 (Total T7EI and T7XI) | 0.11 (Total T7EI and T7XI) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7EM | Emission unit name: Portable Container Facility | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Portable Container Facility (Tank Car / Tank Truck Trailer Vents) - Vents through T7IMC to T7IME | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2700 units/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|--------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1 | 0.04 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.0018 |
| Total HAPs | 0.01 | 0.004 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 42.0 | 40 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7EM | Emission unit name: Portable Container Facility | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Portable Container Facility (Tank Car / Tank Truck Trailer Vents) - Vents through T7EME | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1996 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Fluoride | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 39.9 | 0.10 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7IM | Emission unit name: Thermal Converter | List any control devices associated with this emission unit: T7IMC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Combustion emissions for the Thermal Converter from Fuel | | | |
| Manufacturer: T-Thermal | Model number: LV-10 | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) 10 / 15 / 1996 | Modification date(s): (MM/DD/YYYY) 10 / 16 / 2016 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: 11E6 BTU/HR. | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| Natural Gas | 0.003 | | 1006 |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|-----------------------------|-----------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | Included in limits on T7IME | Included in limits on T7IME |
| Nitrogen Oxides (NO _x) | Included in limits on T7IME | Included in limits on T7IME |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | Included in limits on T7IME | Included in limits on T7IME |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | Included in limits on T7IME | Included in limits on T7IME |
| Volatile Organic Compounds (VOC) | Included in limits on T7IME | Included in limits on T7IME |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | Included in limits on T7IME | Included in limits on T7IME |
| Chromium | Included in limits on T7IME | Included in limits on T7IME |
| Lead | Included in limits on T7IME | Included in limits on T7IME |
| Hydrogen Fluoride | Included in limits on T7IME | Included in limits on T7IME |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7IO | Emission unit name: Silo | List any control devices associated with this emission unit: T7IOC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Silo (Silo - Slaked Lime) - Vents to T7IOE Emission occur only during filling of the silo from a trailer | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 400 | 80.3 |
| Particulate Matter (PM ₁₀) | 400 | 80.3 |
| Total Particulate Matter (TSP) | 400 | 80.3 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: <p style="text-align: center;">T7JD</p> | Emission unit name: <p style="text-align: center;">Neutralization Tank</p> | List any control devices associated with this emission unit: <p style="text-align: center;">T7JCC</p> | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Neutralization Tank (Neutralization Tank) - Vents to T7JCE | | | |
| Manufacturer: <p style="text-align: center;">N/A</p> | Model number: <p style="text-align: center;">N/A</p> | Serial number: <p style="text-align: center;">N/A</p> | |
| Construction date: (MM/DD/YYYY) <p style="text-align: center;">/ /</p> | Installation date: (MM/DD/YYYY) <p style="text-align: center;">/ / 1986</p> | Modification date(s): (MM/DD/YYYY) <p style="text-align: center;">/ / ; / / / / ; / /</p> | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): <p style="text-align: center;">Redacted - Claimed Confidential</p> | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: <p style="text-align: center;">8760 hours/year</p> | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 0.68 | 0.041 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7JJ | Emission unit name: Emergency Generator | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Emergency Generator (Emergency Generator) - Vents to T7JJE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 1620 BHP | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Emergency Generator | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: 10.4X 1000000 BTU/HR or 4.2 X 1000000/Hr 1620 BHP | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Not Applicable | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| Diesel Fuel, No. 2 80 gallons/hour | 0.2 | 0.02 | 130000 |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | 6.5 | 1.61 |
| Nitrogen Oxides (NO _x) | 40.4 | 10.09 |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.4 | 0.09 |
| Total Particulate Matter (TSP) | 0.4 | 0.09 |
| Sulfur Dioxide (SO ₂) | 2.2 | 0.55 |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | 0.68 | 0.041 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7JK | Emission unit name: Alcohol Waste Trailer | List any control devices associated with this emission unit: N/A | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Trailer loading Spot - Collection of Alcohol washes from decontamination of process equipment | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) 05 / 05 / 2015 ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: Redacted - Claimed Confidential | Maximum Operating Schedule: 168 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 7.22 | 0.007 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7JO | Emission unit name: Sulfite Tank - Exempt - nonvolatile Aqueous Salt | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Sulfite Tank - Exempt - nonvolatile Aqueous Salt - Vents to T7JOE Nonvolatile Aqueous Salt identified from list from the Title V - non-regulated emissions | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1994 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Not Applicable | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7JP | Emission unit name: Sulfite Tank - Exempt - nonvolatile Aqueous Salt | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Sulfite Tank - Exempt - nonvolatile Aqueous Salt - Vents to T7JPE Nonvolatile Aqueous Salt identified from list from the Title V - non-regulated emissions | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1994 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Not Applicable | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Hydrogen Chloride | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T7XI | Emission unit name: South Still house Vacuum System | List any control devices associated with this emission unit: T7XIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): South Still house Vacuum System (Misc. Vents) - Vents through T7XIE | | | |
| Manufacturer: N/A | Model number: N/A | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|----------------------------|-----------------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.13 (Total T7EI and T7XI) | 0.028 (Total T7EI and T7XI) |
| Hydrogen Chloride | 0.01 (Total T7EI and T7XI) | 0.001 (Total T7EI and T7XI) |
| Hydrogen Fluoride | 0.01 (Total T7EI and T7XI) | 0.002 (Total T7EI and T7XI) |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.5 (Total T7EI and T7XI) | 0.11 (Total T7EI and T7XI) |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1823M and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1823M and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1823M and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| Emission Unit Description | | | |
| Emission unit ID number: T5HA | Emission unit name: Heater | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Heater (#1 Gas Fired Dryer Heater) - Vents through T5HAE. | | | |
| Manufacturer: Thermal Research and Engineering Corp | Model number: LDG 200 | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: Redacted - Claimed Confidential | | Type and Btu/hr rating of burners: Redacted - Claimed Confidential | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| Natural Gas | 0.003 weight % | | 4300 |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | 0.4 | 1.59 |
| Nitrogen Oxides (NO _x) | 0.5 | 1.89 |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.1 | 0.15 |
| Particulate Matter (PM ₁₀) | 0.1 | 0.15 |
| Total Particulate Matter (TSP) | 0.1 | 0.15 |
| Sulfur Dioxide (SO ₂) | 0.1 | 0.02 |
| Volatile Organic Compounds (VOC) | 0.1 | 0.11 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HB | Emission unit name: Heater | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Heater (#2 Gas Fired Dryer Heater) - Vents through T5HBE. | | | |
| Manufacturer: Thermal Research and Engineering Corp | Model number: LDG 200 | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: Redacted - Claimed Confidential | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: Redacted - Claimed Confidential | | Type and Btu/hr rating of burners: Redacted - Claimed Confidential | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| Natural Gas | 0.003 weight % | | 4300 |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | 0.4 | 1.51 |
| Nitrogen Oxides (NO _x) | 0.5 | 1.8 |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | 0.1 | 0.14 |
| Particulate Matter (PM ₁₀) | 0.1 | 0.14 |
| Total Particulate Matter (TSP) | 0.1 | 0.14 |
| Sulfur Dioxide (SO ₂) | 0.1 | 0.02 |
| Volatile Organic Compounds (VOC) | 0.1 | 0.1 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HC | Emission unit name: Reactor | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (4X PolyKettle - Batch Polymer Reactor) - Vents through T5HCE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1465 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 04.0 | 3.0 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Compounds (ODC) | 0.8 | 0.15 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HC | Emission unit name: Reactor | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (4X PolyKettle - Batch Polymer Reactor) - Vents through T5HCE2. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 900 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 152 | 1.33 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Compounds (ODC) | 0.3 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HC | Emission unit name: Reactor | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (4X PolyKettle - Batch Polymer Reactor) - Vents through AREA. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 6395 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.9 | 3.57 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Compounds (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HD | Emission unit name: Reactor | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (5X PolyKettle - Batch Polymer Reactor) - Vents through T5HDE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 900 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.0 | 3.0 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Compounds (ODC) | 0.8 | 0.15 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HD | Emission unit name: Reactor | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (5X PolyKettle - Batch Reactor) - Vents through T5HDE2. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1465 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 152 | 1.33 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Compounds (ODC) | 0.3 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HD | Emission unit name: Reactor | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (5X PolyKettle - Batch Polymer Reactor) - Vents through AREA. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 6395 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.9 | 3.57 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Compounds (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HF | Emission unit name: Mix Station Fume Hood | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Mix Station Fume Hood (Granular Mix Station Fume Hood) - Vents through T5HFE Trace particulate emissions > 1 pound per year</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/A | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | > 1 ppy | >0.0005 tpy |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HG | Emission unit name: Dryer | List any control devices associated with this emission unit: T5HGC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer (Line 1 Dryer) - Vents through T5HGE | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 1.7 | 4.13 |
| Total Particulate Matter (TSP) | 40.1 | 87 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.15 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HI | Emission unit name: Dryer | List any control devices associated with this emission unit: T5HIC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer (Line 1 Dryer) - Vents through T5HGE | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 1.7 | 4.13 |
| Total Particulate Matter (TSP) | 40.1 | 87 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.1 | 0.15 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HM | Emission unit name: Refined Monomer System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Refined Monomer System (Refined Monomer System) - Vents through T5IUE | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1990 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 95.54 | 0.07 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Compounds (ODC) | 0.4 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HN | Emission unit name: Raw Material System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Raw Material System (Raw Material System - PPVE addition System [VOC]) - Vents through Area | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hour/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3.2 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HN | Emission unit name: Raw Material System | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Raw Material System (Raw Material System - PPVE addition System) - Vents through T5HCE | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1465 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 3.2 | 0.02 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Acetonitrile | 0.01 | 0.001 |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HO | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Mother Liquor Tank) - Vents through AREA. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.3 | 1.2 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 0.01 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HP | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Zinc Chloride Tank) - Vents through T5HCE. [Dissolved VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/A | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HP | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Zinc Chloride Tank) - Vents through T5HDE. [Dissolved VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/A | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HT | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#1 Refined Monomer Storage Tank) - Vents through T5HDE. [VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1990 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 32.3 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HT | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#1 Refined Monomer Storage Tank) - Vents through T5HTE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1990 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 32.3 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODCs) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HU | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#2 Refined Monomer Storage Tank) - Vents through T5HDE. [VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1990 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 32.3 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HU | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#2 Refined Monomer Storage Tank) - Vents through T5HUE. [VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1990 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 4 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 27.4 | 0.06 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HV | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#2 Refined Monomer Storage Tank) - Vents through T5HDE. [VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1990 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 32.3 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HV | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#2 Refined Monomer Storage Tank) - Vents through T5HVE. {VOC} | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1990 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 4 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 27.4 | 0.06 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HW | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#4 weight Tank) - Vents through T5HCE. [VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1465 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 32.3 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Compounds (ODC) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HW | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#4 weight Tank) - Vents through T5HWE. [VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 4 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 27.4 | 0.06 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HX | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#5 weight Tank) - Vents through T5HDE. [VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1465 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 17 | 0.05 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HX | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#5 weight Tank) - Vents through T5HXE. [VOC] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 4 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 27.4 | 0.06 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HY | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (Chiller System - 20 wt% Methanol - water Brine) - Vents through T5HYE | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1995 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 0.2 | 0.78 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Methanol | 0.11 | 0.771 |
| Total HAPs | 0.11 | 0.771 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T5HZ | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#5 Hold up Tank) - Vents through T5HZE {Estimated as trivial vent} | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-1353H and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-1353H and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-1353H and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IB | Emission unit name: Reactor 6 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Reactor 6 - Batch Polymerization Reactor - Confidential Data) - Vents through T6IBE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 341 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 16.6 | 10.1 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.3 | 0.44 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IB | Emission unit name: Reactor 6 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Reactor 6 - Batch Polymerization Reactor - Confidential Data) - Vents through T6IBE2. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 418.4 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.4 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IC | Emission unit name: Reactor 7 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Reactor 7 - Batch Polymerization Reactor - Confidential Data) - Vents through T6ICE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 341 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 16.6 | 10.08 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.3 | 0.44 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IC | Emission unit name: Reactor 7 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Reactor 7 - Batch Polymerization Reactor - Confidential Data) - Vents through T6ICE2. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 418.4 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.4 | 0.44 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6ID | Emission unit name: Reactor 8 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Reactor 8 - Batch Polymerization Reactor - Confidential Data) - Vents through T6IDE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 426 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 16.6 | 10.08 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.3 | 0.44 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6ID | Emission unit name: Reactor 8 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Reactor 8 - Batch Polymerization Reactor - Confidential Data) - Vents through T6IDE2. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 418.4 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.4 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IE | Emission unit name: Dryer Line 2 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer Line (Powder Dryer Line 2) - Vents through T6IEE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1993 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1.2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.5 | 0.01 |
| Total Particulate Matter (TSP) | 0.5 | 0.01 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.1 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IE | Emission unit name: Dryer Line 2 | List any control devices associated with this emission unit: T6IFC followed by T6IZ | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer Line (Powder Dryer Line 2) - Vents through T6IFC Followed by T6IZC and exiting T6IZE | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1993 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 8.3 | 10.83 |
| Total Particulate Matter (TSP) | 8.3 | 10.83 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Need | Need |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IF | Emission unit name: Dryer Line 3 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer Line (Powder Dryer Line 3) - Vents through T6IFE | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1.2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.5 | 0.01 |
| Total Particulate Matter (TSP) | 0.5 | 0.01 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.1 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IF | Emission unit name: Dryer Line 3 | List any control devices associated with this emission unit: T6IFC and T6IZC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer Line (Powder Dryer Line 3) - Vents through T6IFC and T6IZC exiting T6IZE | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 8.3 | 10.83 |
| Total Particulate Matter (TSP) | 83 | 10.83 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Need | Need |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6II | Emission unit name: Weight Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Monomer Weigh Tank (# 6 - TFE Weight Tank (Process)) - Vents through T6I6E. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 10 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 43.9 | 0.17 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.2 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6II | Emission unit name: Weight Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Monomer Weight Tank (# 6 - TFE Weight Tank (Process)) - Vents through T6IIE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.7 | 0.13 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IJ | Emission unit name: Weight Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Monomer Weight Tank (# 7 - TFE Weight Tank (Process)) - Vents through T6ICE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 10 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 43.9 | 0.17 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IJ | Emission unit name: Weight Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Monomer Weight Tank (# 7 - TFE Weight Tank (Process)) - Vents through T6IJE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.7 | 0.13 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IK | Emission unit name: Weight Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Monomer Weigh Tank (# 8 - TFE Weight Tank (Process)) - Vents through T6IDE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 10 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 49.3 | 0.17 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IK | Emission unit name: Weight Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Monomer Weight Tank (# 8 - TFE Weight Tank (Process)) - Vents through T6IKE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.7 | 0.13 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IL | Emission unit name: Weight Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Monomer Weight Tank (# 9 - TFE Weight Tank (Process)) - Vents through T6ILE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.7 | 0.13 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IL | Emission unit name: Weight Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Monomer Weight Tank (# 9 - TFE Weight Tank (Process)) - Vents through T6IUE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 10 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 43.9 | 0.17 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IU | Emission unit name: Reactor 9 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Reactor 9 - Batch Polymerization Reactor - Confidential Data) - Vents through T6IUE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 426 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 16.6 | 12.74 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.3 | 0.55 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IU | Emission unit name: Reactor 9 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor (Reactor 9 - Batch Polymerization Reactor - Confidential Data) - Vents through T6IUE2. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 418.4 | 0.21 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.4 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IV | Emission unit name: Dryer 1 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer (Powder Dryer 1) - Vents through T6IVE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1.2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.5 | 0.01 |
| Total Particulate Matter (TSP) | 0.5 | 0.01 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 1.1 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IV | Emission unit name: Dryer 1 | List any control devices associated with this emission unit: T6IFC / T6IZC | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dryer (Powder Dryer 1) - Vents through T6IFC and then through T6IZC to T6IZE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 8.3 | 10.83 |
| Total Particulate Matter (TSP) | 8.3 | 10.83 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IY | Emission unit name: Chiller / Cooler Vent | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Chiller / Cooler Vent (Dryer #3 Chiller Cooler Zone Vent) - Vents through T6IIE | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.1 | 0.05 |
| Total Particulate Matter (TSP) | 0.1 | 0.05 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6IZ | Emission unit name: Accumulator Vessel | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Accumulator Vessel (Accumulator Vessel) - Vents through T6IZE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/A | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6JE | Emission unit name: Ingredient Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient Tank (Ammonium Carbonate Head Tank / Tote (2)) - Vents through T6JEE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1988 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6JF | Emission unit name: Ingredient Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient Tank (Ingredient Tank) - Vents through T6JFE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/A | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PA | Emission unit name: Head Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Head Tank (Ammonium Carbonate Head Tank) - Vents through T6PAE. - flow stabilizer | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1988 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PB | Emission unit name: Feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed System (HFP Feed Storage and Feed System (process Tank) - Vents through T6ICE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Toluene | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PB | Emission unit name: Feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed System (HFP Feed Storage and Feed System (process Tank) - Vents through T6IDE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Toluene | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PB | Emission unit name: Feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed System (HFP Feed Storage and Feed System (process Tank) - Vents through T6IUe. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Toluene | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PB | Emission unit name: Feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed System (HFP Feed Storage and Feed System (process Tank) - Vents through T6IBE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PC | Emission unit name: Decanter | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Decanter (#6 Decanter (process tank) - Vents through T6PCE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1988 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 730 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.2 | 2.3 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.10 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PD | Emission unit name: Decanter | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Decanter (#7 Decanter (process tank) - Vents through T6PDE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 730 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.2 | 2.3 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.10 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PE | Emission unit name: Decanter | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Decanter (#8 Decanter (process tank) - Vents through T6PEE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 730 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.2 | 2.88 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.13 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PF | Emission unit name: Decanter | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Decanter (#9 Decanter (process tank) - Vents through T6PFE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 730 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 4.2 | 2.88 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.13 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PG | Emission unit name: Stabilization Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Stabilization Tank (Stabilization Tank) - Vents through T6PGE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/A | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|----------------------|----------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.1 | 0.01 |
| Total Particulate Matter (TSP) | 0.1 | 0.01 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1.0 pound per year | > 1.0 pound per year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PH | Emission unit name: Stabilization Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Stabilization Tank (Stabilization Tank) - Vents through T6PGE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/A | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|----------------------|----------------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | 0.1 | 0.01 |
| Total Particulate Matter (TSP) | 0.1 | 0.01 |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1.0 pound per year | > 1.0 pound per year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PI | Emission unit name: Feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed System (PPVE / Vinyl ethers cylinder feed System) - Vents through T6IBE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1.0 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.7 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PI | Emission unit name: Feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed System (PPVE / Vinyl ethers cylinder feed System) - Vents through T6ICE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1.0 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.7 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PI | Emission unit name: Feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed System (PPVE / Vinyl ethers cylinder feed System) - Vents through T6IDE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1.0 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.7 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PI | Emission unit name: Feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed System (PPVE / Vinyl ethers cylinder feed System) - Vents through T6IUE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 1.0 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.7 | 0.03 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PI | Emission unit name: Feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed System (PPVE / Vinyl ethers cylinder feed System) - Vents through Area. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 2.0 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 17.8 | 0.42 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PJ | Emission unit name: Raw Material feed System | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Raw Material feed System (PFBE feed System) - Vents through Area. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 0.5 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 7.5 | 0.04 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PL | Emission unit name: Process Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Tank (Ammonium Hydroxide Tanks (2)) - Vents through T6PGE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PM | Emission unit name: Process Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Tank (Dispersion Storage Tank) - Vents through T6PME. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PN | Emission unit name: Process Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Tank (Dispersion Storage Tank) - Vents through T6PNE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PO | Emission unit name: Storage Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Dispersion Storage Tank) - Vents through T6POE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PP | Emission unit name: Storage Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Dispersion Storage Tank) - Vents through T6PPE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PQ | Emission unit name: Formulation Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Formulation Tank (Dispersion Formulation Tank & Tegitol Drum) - Vents through T6PQE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PR | Emission unit name: Fresh Tank | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Fresh Tank (Fresh Wax Tank (1)) - Vents through T6PRE.</p> <p>Wax used in processing - Considered non-volatile as it is a solid at room temperature. Considered non-volatile even when melted.</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1994 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PS | Emission unit name: Melt Tank | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Melt Tank (Wax Melt Tank (1)) - Vents through T6PSE.</p> <p>Wax used in processing - Considered non-volatile as it is a solid at room temperature. Considered non-volatile even when melted.</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PT | Emission unit name: Decanter | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Decanter (RWDC Decanter (process tank)) - Vents through Area. Includes aborted batch processing</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1997 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 132 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 8.1 | 0.71 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| Total HAPs | 0.01 | 0.001 |
| Acetonitrile | 0.01 | 0.001 |
| Toluene | 0.01 | 0.001 |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone Depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PU | Emission unit name: Process Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Tank (Process Recycle Tank) - Vents through T6PUE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
|) | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PV | Emission unit name: Process Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Tank (Propylene glycol Tank (1)) - Vents through T6PVE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / NA | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|-------------------------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year - low vapor pressure | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
|) | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PW | Emission unit name: Storage Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Storage Tank (Storage Tank) - Vents through T6PWE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1993 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
|) | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PX | Emission unit name: Process Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Tank (Supernate Tank (1)) - Vents through T6PXE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1988 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 Hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PY | Emission unit name: Supernate Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Supernate Tank (Supernate Flush Tank) - Vents through T6PYE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / NA | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 Hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6PZ | Emission unit name: Process Tank | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Process Tank (Triton Tank (1)) - Vents through T6PZE. Non-fluorocarbon surfactant supply tank</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1998 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|--|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
|) | | |
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| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QA | Emission unit name: Ion Exchange Columns | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ion Exchange Columns (Ion Exchange Columns) - Vents through T6QAE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year - Emissions during change out only | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
|) | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QB | Emission unit name: Ion Exchange Columns | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ion Exchange Columns (Ion Exchange Columns) - Vents through T6QBE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
|) | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QE | Emission unit name: Ion Exchange Columns | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ion Exchange Columns (Ion Exchange Columns) - Vents through T6QEE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year - Emissions during change out only | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
|) | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QF | Emission unit name: Ion Exchange Columns | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ion Exchange Columns (Ion Exchange Columns) - Vents through T6QFE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year - Emissions during change out only | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
|) | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QH | Emission unit name: Feed Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Feed Tank (Ion Exchange Feed Tank) - Vents through T6PGE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2006 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QI | Emission unit name: Knock Out Pot | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Knock Out Pot (MGH Line Knock Out Pot(process equipment)) - Vents through Area. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 6.1 hours per year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 6.1 | 0.01 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QJ | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#6 Zinc Chloride Tank (process equipment)) - Vents through T6IBE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 49.3 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.3 | 0.39 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QK | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#7 Zinc Chloride Tank (process equipment)) - Vents through T6ICE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 49.3 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.3 | 0.39 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QL | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#8 Zinc Chloride Tank (process equipment)) - Vents through T6IDE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 49.3 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.3 | 0.39 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QM | Emission unit name: Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tank (#9 Zinc Chloride Tank (process equipment)) - Vents through T6IUE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1992 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 49.3 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | 12.3 | 0.39 |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| Ozone depleting Chemicals (ODC) | 0.1 | 0.01 |
| | | |
| | | |
| <p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents</p> | | |

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QN | Emission unit name: Blend Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Blend Tank (#1 Blend Tank) - Vents through T6QNE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QO | Emission unit name: #2 Blend Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): #2 Blend Tank (#2 Blend Tank) - Vents through T6QOE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1985 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | Trace | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QP | Emission unit name: #3 Blend Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): #3 Blend Tank (#3 Blend Tank) - Vents through T6QPE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QQ | Emission unit name: #4 Blend Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): #4 Blend Tank (#4 Blend Tank) - Vents through T6QQE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QR | Emission unit name: #5 Blend Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): #5 Blend Tank (#5 Blend Tank) - Vents through T6QRE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QS | Emission unit name: #6 Blend Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): #6 Blend Tank (#6 Blend Tank) - Vents through T6QSE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QT | Emission unit name: #7 Blend Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): #7 Blend Tank (#7 Blend Tank) - Vents through T6QTE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | Trace | Trace |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QV | Emission unit name: Ingredient tote #2 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tote #2 (Surfactant Totes) - Vents through T6QVE. Multiple portable units that operate out of one position. Operation is emptying the tote and breathing losses are minimal. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / various | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year with unit in position | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QW | Emission unit name: Recovered Ingredient feed tank #1 | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Recovered Ingredient feed tank #1 (Recovered Ingredient feed tank #1) - Vents through T6QWE. Low vapor pressure material - trace VOC emissions only</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2002 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QY | Emission unit name: Recovered Ingredient feed tank #2 | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Recovered Ingredient feed tank #2 (Recovered Ingredient feed tank #2) - Vents through T6QYE. Low vapor pressure material - trace VOC emissions only</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2002 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6QZ | Emission unit name: Recovered Ingredient Storage Tank | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Recovered Ingredient Storage Tank (Recovered Surfactant tank (1) - Vents through T6QZE. Low vapor pressure material - trace VOC emissions only</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2002 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RA | Emission unit name: Filters | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Product filters (Dispersion Filters (6 total) - Vents through T6RAE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Limited volume equipment handling liquid/solid emulsion. Units open to vent only when off-line and for filter change.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|--|---|--|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RB | Emission unit name: Reactor Waste Solids Drum | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor Waste Solids Drum (Autoclave waste solids drums (4)) - Vents through T6RBE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / N/A | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 55 gallons (Standard drum) | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year - periodic filling | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
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| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Solids collection drum for water washing of autoclave. No emissions of PM or of VOC or other criteria pollutants

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RC | Emission unit name: Coagulator #1 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Coagulator #1 (Coagulator #1) - Vents through T6RCE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1999 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RD | Emission unit name: Coagulator #2 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Coagulator #2 (Coagulator #2) - Vents through T6RDE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1988 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): <div style="text-align: right;">Redacted - Claimed Confidential</div> | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RE | Emission unit name: Coagulator #3 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Coagulator #3 (Coagulator #3) - Vents through T6REE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1988 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RF | Emission unit name: Conveyor #1 | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveyor #1 (Conveyor #1) - Vents through T6RFE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RG | Emission unit name: Conveyor #2 | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveyor #2 (Conveyor #2) - Vents through T6RGE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1993 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RH | Emission unit name: Conveyor #3 | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Conveyor #3 (Conveyor #3) - Vents through T6RHE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1989 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RI | Emission unit name: FP packout | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): FP packout (FP packout) - Vents through T6RIE. Controlled environment room</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1993 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RJ | Emission unit name: Packout Tank #1 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Packout Tank #1t (Packout Tank #1) - Vents through T6RJE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | Trace | Trace |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RK | Emission unit name: Packout Tank #2 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Packout Tank #2 (Packout Tank #2) - Vents through T6RKE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2001 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RL | Emission unit name: Ingredient tank #1 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #1 (Ingredient tank #1) - Vents through T6RLE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RM | Emission unit name: Ingredient tank #2 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #2 (Ingredient tank #2) - Vents through T6RME. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RN | Emission unit name: Ingredient tank #3 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #3 (Ingredient tank #3) - Vents through T6RNE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RO | Emission unit name: Ingredient tank #4 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #4 (Ingredient tank #4) - Vents through T6ROE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RP | Emission unit name: Ingredient tank #5 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #5 (Ingredient tank #5) - Vents through T6RPE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RQ | Emission unit name: Ingredient tank #6 | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #6 (Ingredient tank #6) - Vents through T6RQE. [Dilute Aqueous Solutions]</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
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| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RR | Emission unit name: Ingredient tank #7 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #7 (Ingredient tank #7) - Vents through T6RRE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RS | Emission unit name: Ingredient tank #8 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #8 (Ingredient tank #8) - Vents through T6RSE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RT | Emission unit name: Ingredient tank #9 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #9 (Ingredient tank #9) - Vents through T6RTE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RU | Emission unit name: Ingredient tank #10 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #10 (Ingredient tank #10) - Vents through T6RUE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 2000 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RV | Emission unit name: Ingredient tank #11 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #11 (Ingredient tank #11) - Vents through T6RVE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RW | Emission unit name: Ingredient tank #12 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #12 (Ingredient tank #12) - Vents through T6RWE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
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| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|------------------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RX | Emission unit name: Ingredient tank #13 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #13 (Ingredient tank #13) - Vents through T6RXE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
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| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RY | Emission unit name: Ingredient tank #14 | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #14 (Ingredient tank #14) - Vents through T6RYE. [Dilute Aqueous Solutions]</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6RZ | Emission unit name: Ingredient tank #15 | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #15 (Ingredient tank #15) - Vents through T6RZE. [Dilute Aqueous Solutions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|--|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6SA | Emission unit name: Ingredient tank #16 | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient tank #16 (Ingredient tank #16) - Vents through T6SAE. [Dilute Aqueous Solutions]</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / 1986 | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6SB | Emission unit name: WIT Tank | List any control devices associated with this emission unit: | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): WIT Tank (WIT Tank) - Vents through T6SBE. non-volatile tank contents | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): <div style="text-align: right;">Redacted - Claimed Confidential</div> | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
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| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6SD | Emission unit name: Reactor Knockout | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Reactor Knockout (Reactor Knockout) - Vents through T6SDE. Vapor - solids separation device emitting only during maintenance activities</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6SE | Emission unit name: Ingredient Truck unloading area | List any control devices associated with this emission unit: | |
| <p>Provide a description of the emission unit (type, method of operation, design parameters, etc.): Ingredient Truck unloading area (Triton Truck unloading Area) - Vents through T6SEE. Low vapor pressure surfactant solution truck unloading</p> | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): Redacted - Claimed Confidential | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: Redacted - Claimed Confidential | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|--|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6SF | Emission unit name: Dispersion Processing Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Dispersion Processing Tank (Dispersion Processing Tank) - Vents through T6SFE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| <i>Fuel Usage Data (fill out all applicable fields)</i> | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|----------------|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | > 1 pound/year | > 1 pound/year |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6SG | Emission unit name: Surfactant feed Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Surfactant feed Tank (Surfactant feed Tank) - Vents through T6SGE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
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| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
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List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|--|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6SH | Emission unit name: Surfactant feed Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Surfactant feed Tank (Surfactant feed Tank) - Vents through T6SHE. | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

| ATTACHMENT E - Emission Unit Form | | | |
|---|---|---|-----------|
| <i>Emission Unit Description</i> | | | |
| Emission unit ID number: T6SI | Emission unit name: Tergitol flush Tank | List any control devices associated with this emission unit: None | |
| Provide a description of the emission unit (type, method of operation, design parameters, etc.): Tergitol flush Tank (Tergitol flush Tank) - Vents through T6SIE. [Low vapor pressure dilute solution - trace emissions] | | | |
| Manufacturer: | Model number: | Serial number: N/A | |
| Construction date: (MM/DD/YYYY) / / | Installation date: (MM/DD/YYYY) / / | Modification date(s): (MM/DD/YYYY) / / ; / / / / ; / / | |
| Design Capacity (examples: furnaces - tons/hr, tanks - gallons): | | | |
| Maximum Hourly Throughput: | Maximum Annual Throughput: | Maximum Operating Schedule: 8760 hours/year | |
| Fuel Usage Data (fill out all applicable fields) | | | |
| Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No | | If yes, is it? ___ Indirect Fired ___ Direct Fired | |
| Maximum design heat input and/or maximum horsepower rating: | | Type and Btu/hr rating of burners: . | |
| List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. | | | |
| Describe each fuel expected to be used during the term of the permit. | | | |
| Fuel Type | Max. Sulfur Content | Max. Ash Content | BTU Value |
| | | | |
| | | | |
| | | | |

| <i>Emissions Data</i> | | |
|---|---------------------|-----|
| Criteria Pollutants | Potential Emissions | |
| | PPH | TPY |
| Carbon Monoxide (CO) | | |
| Nitrogen Oxides (NO _x) | | |
| Lead (Pb) | | |
| Particulate Matter (PM _{2.5}) | | |
| Particulate Matter (PM ₁₀) | | |
| Total Particulate Matter (TSP) | | |
| Sulfur Dioxide (SO ₂) | | |
| Volatile Organic Compounds (VOC) | | |
| Hazardous Air Pollutants | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |
| | | |
| Regulated Pollutants other than Criteria and HAP | Potential Emissions | |
| | PPH | TPY |
| | | |
| | | |
| | | |

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions are as estimated for R13-0815J and earlier versions of the permit applications and other underlying documents

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit with the condition number**. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable requirements are as specified in R13-0815J and Subsequent versions of that permit.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (*Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.*)

Monitoring, Recordkeeping and Reporting are as specified by R13-0815J and subsequent versions of that permit.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

**Attachment F - Compliance Plans for Addressing Noncompliance
Not Required for this Renewal Application**

Attachment G - Air Pollution Control Devices for Associated Processes

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--------------------------------------|
| Control device ID number: | List all emission units associated with this control device. | |
| Manufacturer: | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: <input type="checkbox"/> Baghouse/Fabric Filter <input type="checkbox"/> Venturi Scrubber <input type="checkbox"/> Multiclone <input type="checkbox"/> Carbon Bed Absorber <input type="checkbox"/> Packed Tower Scrubber <input type="checkbox"/> Single Cyclone <input type="checkbox"/> Carbon Drum(s) <input type="checkbox"/> Other Wet Scrubber <input type="checkbox"/> Cyclone Bank <input type="checkbox"/> Catalytic Incinerator <input type="checkbox"/> Condenser <input type="checkbox"/> Settling Chamber <input type="checkbox"/> Thermal Incinerator <input type="checkbox"/> Flare <input type="checkbox"/> Other (describe) _____ <input type="checkbox"/> Wet Plate Electrostatic Precipitator <input type="checkbox"/> Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| | | |
| | | |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Complete ATTACHMENT H If No, Provide justification. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|---|---|---|
| Control device ID number: C1FEC | List all emission units associated with this control device. C1FE | |
| Manufacturer: DuPont Design | Model number: | Installation date: MM/DD/YYYY March 1986 |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input checked="" type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input checked="" type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | | <input type="checkbox"/> Dry Plate Electrostatic Precipitator |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Fluorine | 100% | 99% |
| Hydrogen Fluoride | 100% | 99% |
| Total Fluorides | 100% | 99% |
| PM10 | 100% | 25% |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>KOH solution is pumped (recirculated) from a tank to both an eductor and a baffle plate column. Initial scrubbing occurs in the eductor with subsequent additional scrubbing occurring in the baffle plate column.</p> <p>Solution is maintained at a nominal 30 - 50 degrees C. KOH concentration is controlled between 5 and 11 wt%. The solution is sampled after every 5th batch until the KOH concentration drops to 6%. Once the concentration reaches 6% the solution is sampled after every other batch. Solution can be recharged twice prior to completely</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| <p>Sampling a subsequent analysis of the scrubber liquor is performed to ensure sufficient reagent is present to perform the control required. Scrubber liquor flows are controlled via flow transmitters and a computer based controlled system that is also equipped with low flow alarms to alert operating personnel.</p> | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C1FKC | List all emission units associated with this control device. C1FK | |
| Manufacturer: Young Industries | Model number: Unicage filter - VC36-12-36 | Installation date: MM/DD/YYYY October 1996 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Particulate Matter (PM2.5) | 100% | 97.5% |
| Particulate matter > 3.2 microns | 100% | 100% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Bag Filter associated with the Filter Receiver. Collected material is returned to the process. Vented conveying air flows out C1FKC. Filter elements or bags are Nomex Nylon / with a Goretex fabric coating - total cloth area is 46 square feet. Delta Pressure across the bed is generally less than 3" H2O - which is continuously monitored, with numerous alarms and interlocks. Considered an integral part of the process. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Device is considered to be inherent process equipment. Filter exists to protect additional equipment as well as separate the product from the conveying stream. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Monitoring is Delta Pressure Across the bags. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C1FSC2 | List all emission units associated with this control device. C1FS>C1FSC1>C1FSC2 | |
| Manufacturer: Young Industries | Model number: Unicage filter - VC36-12-36 | Installation date: MM/DD/YYYY October 1996 |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input checked="" type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Fluoropolymer Particulate | 100% | 80% |
| VOC | 100% | 40% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Column (Scrubber) contains 4 vertical spray nozzles, with the top one or two nozzles having fresh demineralized water being fed to them and the remaining, lower nozzles, using re circulation water from the bottom of the column. Scrubber bottom level is controlled by bleeding recovered material and water to additional processing. Scrubber is designed for 1000 acfm of vapor flow from C1FSC1</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Integral part of the process. Numerous interlocks exist to prevent operation of the process with the scrubber system shutdown. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Scrubber flow rates are monitored and controlled with low flow alarms and in some specific cases, interlocks to prevent upstream operation. Scrubber pressure and temperature are also monitored and alarmed with some additional interlocks. Scrubber level is controlled and monitored. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|---|--|---|
| Control device ID number: C1FSC3 | List all emission units associated with this control device. C1FS>C1FSC1>C1FSC2>C1FSC3 | |
| Manufacturer: Monsanto Enviro-chem, Brink demister" | Model number: Vendor design - unique to this operation | Installation date: MM/DD/YYYY August 2004 |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input checked="" type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Fluoropolymer Particulate | 100% | 77% |
| VOC | 100% | 40% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Vapor exiting C1FSC2 is cooled and any condensate captured is collected and returned to C1FSC2. The cooled vapor then flows to C1FSC3, which is a large sub-micron filtration system involving three large filter elements and the use of a demineralized water fog to assist in capturing any particles. The system operate under a slight vacuum. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Control device with emissions below the applicably threshold for CAM. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Demineralized water flow rates are monitored and the air rates ratioed to create the fog used in the system. Flows and pressures are both monitored. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C1GNC1 | List all emission units associated with this control device. C1GN | |
| Manufacturer: Young Industries | Model number: Flex-Kleen Model #100/5A-CTBC-8 ARR II Continuous automatic pulse- | Installation date: MM/DD/YYYY MARCH 1986 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Fluoropolymer Particulate | 100% | 95% of 1 micron or larger |
| | | |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Bag filter with a total surface area of 58 square feet. Fabric is 14 ounce Nomex with a Gore-tex fabric membrane. Normal gas flow is 385 ACFM @ <392 degrees F. Automatic pulse-jet is used to clean the bags. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Control device emissions are less than threshold trigger for CAM. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-2365H or most current version of that permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C1GNC2 | List all emission units associated with this control device. C1GN>C1GNC1>C1GNC2 | |
| Manufacturer: Young Industries | Model number: Line Filter Model CD-1000 | Installation date: MM/DD/YYYY MARCH 1986 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Fluoropolymer Particulate | 100% | 99% of 0.3 micron or larger |
| | | |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| In-line filter system downstream of bag filter (C1GNC1). Inlet flow is 385 ACFM at <385 degrees F. Vendor designed system. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Control device emissions are less than threshold trigger for CAM. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-2365H or most current version of that permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C1GPC | List all emission units associated with this control device. C1GT, C1GS, C1GP | |
| Manufacturer: Young Industries | Model number: Unicage VC48-12-34 | Installation date: MM/DD/YYYY 1982 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Fluoropolymer Particulate | 100% | 95% of 1 micron or larger |
| | | |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| 14 ounce Nomex bags with Gore-tex coating. Total cloth area is 62 square feet with an air flow of 450 ACFM at 68 degrees F | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Control device emissions are less than threshold trigger for CAM. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-2365H or most current version of that permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C1GQC | List all emission units associated with this control device. C1GQ | |
| Manufacturer: Young Industries | Model number: Unicage VC48-12-34 | Installation date: MM/DD/YYYY October 1996 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Fluoropolymer Particulate | 100% | 99.5% |
| D10 = 21 microns | | |
| D50 = 140 microns | | |
| D90 = 452 microns | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| 14 ounce Nomex bags with Gore-tex coating. Total cloth area is 62 square feet with an air flow of 110 ACFM. Pulse-jet is used to clean the bags. Maximum conveying rate is 2000 pph. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Control device emissions are less than threshold trigger for CAM. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Downstream of the bag filter there is a small in-line filter installed to protect the air conveying blower (An inherent process device). Should the bag filter (control device) fail, it will blind off the in-line blower. Pressure drop (Delta-P) is measured across the blower and there is a vacuum transmitter on the inlet to the blower that has an interlock associated with it. High vacuum implies the control device has failed and the control system then interlocks off the blower. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C1GZC | List all emission units associated with this control device. C1GZ | |
| Manufacturer: In-house Design | Model number: N?A | Installation date: MM/DD/YYYY 2007 |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input checked="" type="checkbox"/> Other (describe) <u>Spray tower w/ vacuum pump</u> |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Hydrogen Fluoride | 100% | 96% |
| VOC | 100% | 0% |
| PM | 100% | 85% |
| CO | 100% | 0% |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p style="text-align: center;">Estiate gas pressure drop at maximum flow rate is 3" W.C.; Gas flow into teh collector is estimated to be 10 ACFM @ 200 degrees F and 15 psia. Scrubber liquor flow is 0.03 gallns per minute with an additional greater than 2 gallons per minute water flow to teh vacuum pump.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Control device emissions are less than threshold trigger for CAM. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| <p style="text-align: center;">Downstream of the bag filter there is a small in-line filter installed to protect the air conveying blower (An inherent process device). Should the bag filter (control device) fail, it will blind off the in-line blower. Pressure drop (Delta-P) is measured across the blower and there is a vacuum transmitter on the inlet to the blower that has an interlock associated with it. High vacuum implies the control device has failed and the control system then interlocks off the blower.</p> | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--------------------------------------|
| Control device ID number: C2DJC | List all emission units associated with this control device. C2DJ | |
| Manufacturer: Micro-Pulsair | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| VOC | 100% | 0% |
| PM10 | 100% | 99.9% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Collected material is discharged into a solids collection sump from which the collected solids are scooped out of the sump and land filled. Bags are made of polyester fabric. Operation is continuous with a delta-pressure high at 4" W.C.. Filter monitoring is by Visual Emissions Observations | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Control device emissions are less than threshold trigger for CAM. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C2DKC | List all emission units associated with this control device. C2DK | |
| Manufacturer: Micro-Pulsair | Model number: 49C-6 | Installation date: MM/DD/YYYY 1996 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM2.5 | 100% | 99% |
| PM10 | 100% | 99.9% |
| Total Suspended Particulate (TSP) | 100% | 99.9% |
| VOC | 100% | 0% |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p style="text-align: center;">Collected material is discharged into a solids collection sump from which the collected solids are scooped out of the sump and land filled. Bags are made of polyester fabric. Operation is continuous with a delta-pressure high at 4" W.C.. Filter monitoring is by Visual Emissions Observations</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Control device emissions are less than threshold trigger for CAM. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|---|
| Control device ID number: C2DSC | List all emission units associated with this control device. C2DS | |
| Manufacturer: Young Industries | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM2.5 | 100% | 99% |
| PM10 | 100% | 99.9% |
| Total Suspended Particulate (TSP) | 100% | 99.9% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Collected material is returned to the process. Bags are polyester felt with a TFE Gore-Tex membrane. Operation is continuous . Pressure drop across the bag house ranges from 0.5 - 4.5 inches water column and is monitored. Periodic Visual emissions observations are performed on the stack and the results are recorded.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Control device emissions are less than threshold trigger for CAM. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--------------------------------------|
| Control device ID number: C2DWC1 | List all emission units associated with this control device. C2DW | |
| Manufacturer: Flex-Kleen | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM2.5 | 100% | 99% |
| PM10 | 100% | 99.9% |
| Total Suspended Particulate (TSP) | 100% | 99.9% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p style="text-align: center;">Operation is continuous. Pressure drop across the bag elements normally range from 0.5 to 4.0 inches water column and is monitored. The collector operates at 248 degrees F with n airflow of 670 ACFM. Filter are cleaned using a pulse-jet on a timer.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Collector is inherent process equipment that protects downstream equipment. Associated equipment does not operate if the collector is not operating. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--------------------------------------|
| Control device ID number: C2DWC1 | List all emission units associated with this control device. C2DW | |
| Manufacturer: Flex-Kleen | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM2.5 | 100% | 99% |
| PM10 | 100% | 99.9% |
| Total Suspended Particulate (TSP) | 100% | 99.9% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p style="text-align: center;">Operation is continuous. Pressure drop across the bag elements normally range from 0.5 to 4.0 inches water column and is monitored. The collector operates at 248 degrees F with n airflow of 670 ACFM. Filter are cleaned using a pulse-jet on a timer.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Collector is inherent process equipment that protects downstream equipment. Associated equipment does not operate if the collector is not operating. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|--|--|
| Control device ID number: C2EA1C | List all emission units associated with this control device. C2EA1 | |
| Manufacturer: Hosowawa Mikropul | Model number: VC60-12-34 | Installation date: MM/DD/YYYY 06/15/2018 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99.99% |
| Total Suspended Particulate (TSP) | 100% | 99.99% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Unit operates at 165 ACFM at 80 degrees F. Filters are polyester/Teflon® in bag filter elements. Monitoring will be a Visual Emission Observation done monthly. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|---|--|--|
| Control device ID number: C2EA2C | List all emission units associated with this control device. C2EA2 | |
| Manufacturer: Hosowawa Mikropul | Model number: VC60-12-34 | Installation date: MM/DD/YYYY 06/15/2018 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99.99% |
| Total Suspended Particulate (TSP) | 100% | 99.99% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Unit operates at 165 ACFM at 80 degrees F. Filters are polyester/Teflon® in bag filter elements. Monitoring will be a Visual Emission Observation done monthly. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|--|--|
| Control device ID number: C2EB1C | List all emission units associated with this control device. C2EB1 | |
| Manufacturer: Profitter | Model number: 430291 | Installation date: MM/DD/YYYY 06/15/2018 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99% |
| Total Suspended Particulate (TSP) | 100% | 99% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Polyester bags with cloth area 0.83 Ft ² Inherent Device for Blower Particulate protection 99% collection efficiency above 6 microns | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|--|--|
| Control device ID number: C2EB2C | List all emission units associated with this control device. C2EB2 | |
| Manufacturer: Profitter | Model number: 4302911 | Installation date: MM/DD/YYYY 06/15/2018 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99% |
| Total Suspended Particulate (TSP) | 100% | 99% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Unit operates at 165 ACFM at 80 degrees F. Filters are polyester in pleated filter elements. Monitoring will be a Visual Emission Observation done monthly. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--------------------------------------|
| Control device ID number: C2EGC | List all emission units associated with this control device. C2EG | |
| Manufacturer: Flex-Kleen | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM2.5 | 100% | 99% |
| PM10 | 100% | 99.9% |
| Total Suspended Particulate (TSP) | 100% | 99.9% |
| VOC | 100% | 0% |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Collected material is discharged to a solids collection sump from which the solids are scooped out of the sump and disposed. Bags are constructed of Gore-Tex covered Nomex. Operation is continuous. Pressure drop across the bag house normally ranges from 0.5 to 4.0 inches water column and is monitored. Collector operates at a temperature of 212 degrees F and an airflow of 180 ACFM. Filters are periodically cleaned using an installed pulse-jet.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|---|
| Control device ID number: C2EHC1 | List all emission units associated with this control device. C2EH | |
| Manufacturer: Flex-Kleen | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM2.5 | 100% | 99% |
| PM10 | 100% | 99.9% |
| Total Suspended Particulate (TSP) | 100% | 99.9% |
| VOC | 100% | 0% |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Collected material is returned to the process. Bags are constructed of Gore-Tex covered Nomex nylon. Operation is continuous. Pressure drop across the bag house normally ranges from 0.5 to 4.0 inches water column and is monitored. There is a process interlock with an audible alarm system for high Dp. Collector operates at 200 degrees F with an air flow of 1250 ACFM. Filters are periodically cleaned using an installed pulse-jet.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|---|--|---|
| Control device ID number: C2EHC2 | List all emission units associated with this control device. C2EH>C2EHC1>C2EHC2>C2DTC3 | |
| Manufacturer: In-House Design | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input checked="" type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM2.5 | 100% | 80% |
| PM10 | 100% | 80% |
| Total Suspended Particulate (TSP) | 100% | 80% |
| VOC | 100% | 0% |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>The scrubber fluid is sent to another part of the plant for recovery of the material that the scrubber collects. Demineralized water is used as the scrubbing fluid. Plant demineralized water supply system and a scrubber re-circulation tank provide the supply for the scrubbing fluid. Scrubber fluid, with recovered material is pumped from the re circulation tank of the final device in the train, C2DTC3, to also be used as feed for C2EHC2. Gas flow into the collector is 1250 ACFM at 200 degrees F and 15 psia pressure.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Emissions are less than the threshold for requiring CAM | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--------------------------------------|
| Control device ID number: C2ENC | List all emission units associated with this control device. C2EN | |
| Manufacturer: Young industries | Model number: VC-48-24-48 Style D | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99.9% |
| Total Suspended Particulate (TSP) | 100% | 99.9% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>This is a product recovery device so all captured product undergoes further processing in downstream equipment. Bags are constructed of 16 ounce polyester with a Gore-Tex membrane. Operation of the system is continuous with the pressure drop across the bag house monitored. Visual Emissions reading are taken periodically. The collector operates at 200 degrees F with an airflow of 460 ACFM. the filters are cleaned on-line using a pulse-jet unit.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C2KLC | List all emission units associated with this control device. C2KL | |
| Manufacturer: Coperion | Model number: 2313-260 | Installation date: MM/DD/YYYY 06/15/2018 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99.99% |
| Total Suspended Particulate (TSP) | 100% | 99.99% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Unit operates at 165 ACFM at 80 degrees F. Filters are polyester in pleated filter elements. Monitoring will be a Visual Emission Observation done monthly. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C2KNC1 | List all emission units associated with this control device. C2KN | |
| Manufacturer: Coperian | Model number: 2313-260 | Installation date: MM/DD/YYYY 06/15/2018 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99.99% |
| Total Suspended Particulate (TSP) | 100% | 99.99% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Unit operates at 165 ACFM at 80 degrees F. Filters are polyester in pleated filter elements. Monitoring will be a Visual Emission Observation done monthly. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C2KNC2 | List all emission units associated with this control device. C2KN | |
| Manufacturer: Coperian | Model number: 2313-260 | Installation date: MM/DD/YYYY 06/15/2018 |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99.99% |
| Total Suspended Particulate (TSP) | 100% | 99.99% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Unit operates at 165 ACFM at 80 degrees F. Filters are polyester in pleated filter elements. Monitoring will be a Visual Emission Observation done monthly. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|---|---|--------------------------------------|
| Control device ID number: C2KOC1 | List all emission units associated with this control device. C2KO | |
| Manufacturer: Hosokawa Micropul | Model number: VC60-12-34 | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99.9% |
| Total Suspended Particulate (TSP) | 100% | 99.9% |
| Hydrogen Fluoride | 100% | 0% |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>This is a product collector so all material captured is returned to the process. Bags are constructed of 16 ounce polyester with a Gore-Tex membrane. Operation of eh unit is continuous. Pressure drop across the bag house is monitored with a nominal range of 0.5 - 3.0 inches water column. Visual Emissions reading are taken periodically and recorded. The collector operates at ambient temperature with an air flow rate of 455 ACFM. The filters are periodically cleaned on-line using an installed pulse-jet.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|---|---|--------------------------------------|
| Control device ID number: C2KOC2 | List all emission units associated with this control device. C2KO | |
| Manufacturer: Hosokawa Micropul | Model number: VC60-12-34 | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input checked="" type="checkbox"/> Baghouse/Fabric Filter ___ Venturi Scrubber ___ Multiclone ___ Carbon Bed Absorber ___ Packed Tower Scrubber ___ Single Cyclone ___ Carbon Drum(s) ___ Other Wet Scrubber ___ Cyclone Bank ___ Catalytic Incinerator ___ Condenser ___ Settling Chamber ___ Thermal Incinerator ___ Flare ___ Other (describe) _____ ___ Wet Plate Electrostatic Precipitator ___ Dry Plate Electrostatic Precipitator | | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| PM10 | 100% | 99.9% |
| Total Suspended Particulate (TSP) | 100% | 99.9% |
| Hydrogen Fluoride | 100% | 0% |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>This is a product collector so all material captured is returned to the process. Bags are constructed of 16 ounce polyester with a Gore-Tex membrane. Operation of the unit is continuous. Pressure drop across the bag house is monitored with a nominal range of 0.5 - 3.0 inches water column. Visual Emissions readings are taken periodically and recorded. The collector operates at ambient temperature with an air flow rate of 455 ACFM. The filters are periodically cleaned on-line using an installed pulse-jet.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? ___ Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Pre-Control PM emissions are less than that for a major source. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| See 45 CSR 13 Permit R13-953J or the most recent version of the same permit number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C3HGC | List all emission units associated with this control device. C3HG, C3HH | |
| Manufacturer: In-house Design | Model number: Not App. | Installation date: MM/DD/YYYY Not App. |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input checked="" type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Total Particulate Matter (TSP) | 100% | Iodine > 99% |
| | | |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Spent caustic solution is shipped off-site and processed in a waste water treatment facility. Scrubber liquor is nominally 5% NaOH and 10% Na₂SO₃ (100 wt%); Liquor pressure to the scrubber is nominally 4 - 10 psig. The source of the liquor is a mixing tank in which powdered Na₂SO₃ is added to water and concentrated NaOH. A tank below the packed bed unit feeds a pump which recirculates the solution through the packed bed. The liquid drains through the bed into the same tank. Gas flows into the collector at 255 degrees F and a nominal flow rate of 10 - 15 ACFM at a pressure of 15.2 nsia</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Potential to emit is less than major source threshold | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Refer to 45 CSR 13 permit R13-2391H or a subsequent permit level for a permit of that number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: C3HPC | List all emission units associated with this control device. C3IV, C3IF, C3HP, C3HM, C3HL, C3HK, C3HJ | |
| Manufacturer: In-house Design | Model number: Not App. | Installation date: MM/DD/YYYY Not App. |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input checked="" type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Total Particulate Matter (TSP) Iodine, SbF5, | 100% | > 99% |
| Hydrogen Fluoride | 100% | > 99% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Spent caustic solution is shipped off-site and processed in a waste water treatment facility. Scrubber liquor is nominally 5% NaOH and 10% Na2SO3 (100 wt%); Liquor pressure to the scrubber is nominally 10 - 20 psig. The source of the liquor is a mixing tank in which powdered Na2SO23 is added to water and concentrated NaOH A tank below the packed bed unit feeds a pump which recirculates the solution through he packed bed. The liquid drains through the bed into the same tank. Gas flows into the collector at 255 degrees F and a nominal flow rate of 10 - 15 ACFM at a pressure of 15.2 nsia</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Potential to emit is less than major source threshold | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Refer to 45 CSR 13 permit R13-2391H or a subsequent permit level for a permit of that number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|---|---|---|
| Control device ID number: T2ERC | List all emission units associated with this control device. T2XT, T2XU, T2XL, T2ES, T2ER, T2EO, T2EP, T1LF | |
| Manufacturer: RI Industries - DuPont Design | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input checked="" type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| VOC | No Control | No Control |
| Ozone Depleting Chemicals (ODC) | No Control | No Control |
| Hydrogen Chloride | 99% | 99.9% |
| Non-Regulated | No Control | No Control |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Recovered material is recycled to the process for recovery. Stack height is 78 feet and it is 0.5 feet in diameter.. Unit is a packed bed scrubber with the scrubber liquor from a mixture of demineralized water and recycle acid solution. The scrubber operates to produce a goal concentration of hydrochloric acid from the bottom of the scrubber. Liquor pressure to the top of the scrubber > 25 psig. A recirculation pump provides mixed liquor to the bottom section of the scrubber and demineralized water is added to the top section to polish clean the emitted vapor stream.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Subject to NESHAP - HCL MACT | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Refer to 45 CSR 13 permit R13-1823L or subsequent new versions of the permit with the same number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|---|
| Control device ID number: T7IMC | List all emission units associated with this control device. C1FQ, C3IZ, T1XA, T1XC, T1XD, T1XO, T2EX, T2XH, T2XL, T2XJ, T2XM, T2XN, T4GM, T4GO, T4GP, T4GQ, T4XK, T7EM, T6IB, T6IC, T6ID, T6IU, C2ES | |
| Manufacturer: T-Thermal | Model number: | Installation date: MM/DD/YYYY 1996 start up |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input checked="" type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input checked="" type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| VOC, ODC | 99% | 99.9% |
| Hydrogen Chloride | 99% | 99.99 |
| Hydrogen Fluoride | 99% | 99.99 |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes, Complete ATTACHMENT H</p> <p>If No, Provide justification.</p> | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|---|---|---|
| Control device ID number: T7JDC | List all emission units associated with this control device. T7JD | |
| Manufacturer: | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input checked="" type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Hydrogen Chloride | 95% | 95% |
| | | |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Scrubber underflow is reacted with caustic (NaOH) in T7JD. Stack height is 20 feet and the diameter is 1.33 feet Material of construction is Hastalloy® and rubber lined pipe. Scrubber liquor is dilute HCL solution with a nominal pH of about 2.0 Liquor is delivered to the top of the scrubber at atmospheric pressure. Liquor is recycled through the scrubber with a fresh water make up from the site process water supply header. Gas flow into the collector estimated at 4000 ACF at 14.7 psia pressure. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Emission Device emissions below the trigger threshold for CAM | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Refer to 45 CSR 13 permit R13-1823L or any subsequent newer permit version with the same number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|---|--|---|
| Control device ID number: T7XIC | List all emission units associated with this control device. T7EI, T7XI, T2XQ, T2XM, T1XO, T1XA, T1DU, T1DT, T1DS, T1CW, T1CK, T1LA, T1CL, T1BP, T1BQ, T1BR, T1BS, T1BT, T1BE, T1BF, T1BG, T1BH. | |
| Manufacturer: RL Industries | Model number: 96-573 | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input checked="" type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| VOC, ODC, Phosgene, Hydrogen Fluoride | No Control | No Control |
| Non-reg., total HAPs (Ex-HCL), Chloroform | No Control | No control |
| Methanol | 99.9+% | 99.9+% |
| Hydrogen Chloride | 99% | 99% |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Spent Liquor is neutralized in T7JD. Under certain conditions the material may be recycled to the Aqueous HCL production process in area T2. The unit is a packed bed scrubber with water as the primary scrubbing liquor although up to 10% HCl may be present during transient events. Water supply is based on a level control feeding make up water in response to the scrubber bottoms tank level and temperature. The scrubber has solution continuously recirculated from the tank located below the scrubber. The liquor passes through the tower countercurrent to gas flow under the influence of gravity.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Subject to NESHAP (HCL MACT) | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Refer to 45 CSR 13 Permit R13-1823L and or any subsequent, newer permit version, with the same number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|---|
| Control device ID number: T5HGC | List all emission units associated with this control device. T5HG | |
| Manufacturer: Flex - Kleen | Model number: 16 IN FILOS CYC | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input checked="" type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Particulate Matter (PM10) | 100% | 99% |
| Total Suspended Particulate (TSP) | 100% | 99% |
| VOC | 100% | 0% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Material is recycled into the process. Four (4) identical wet cyclones are used. The collected dust is educted as a water slurry to a float tank for recovery. Inlet to the cyclone system is 18 pounds per hour, with an outlet of 18 pounds per hour. Design minimum inlet air flow is 9750 ACFM at 200 degrees F and 15.3 psia. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Potential to emit is less than major threshold. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Refer to 45 CSR 13 permit R13-1353H or any subsequent designate permit of that number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|--|
| Control device ID number: T5HIC | List all emission units associated with this control device. T5HI | |
| Manufacturer: General kinematics | Model number: F21 | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input type="checkbox"/> Packed Tower Scrubber | <input checked="" type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| Particulate Matter (PM10) | 100% | 99% |
| Total Suspended Particulate (TSP) | 100% | 99% |
| VOC | 100% | 0% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| Material is recycled into the process. A single stage wet cyclone is used. The collected dust is educted as a water slurry to a float tank for recovery. Inlet to the cyclone system is 18 pounds per hour, with an outlet of 18 pounds per hour. Design minimum inlet air flow is 7650 ACFM at 138 degrees F and 15.3 psia. | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Potential to emit is less than major threshold. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Refer to 45 CSR 13 permit R13-1353H or any subsequent designate permit of that number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|---|
| Control device ID number: T6IFC | List all emission units associated with this control device. T6IV, T6IE, T6IF (any or all) >T6IFC>T6IZC | |
| Manufacturer: In-House design | Model number: | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input checked="" type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | | <input type="checkbox"/> Dry Plate Electrostatic Precipitator |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| VOC | 100% | 50% |
| Non-regulated | 100% | |
| | | |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| <p>Packed Bed Scrubber with Mist Eliminator for Particulate and VOC recovery. Scrubber fluid is sent to another part of the plant for recovery and reuse of the material captured by the scrubber. Two stage scrubber: lower stage consists of trays; upper stage is packed bed. Scrubber liquor is recirculated buffered water (pH to 10), demineralized water (90 wt. %) and Deep Bed Scrubber effluent (10 wt.10%). Primary liquor source: recycle tank water with buffering capabilities; secondary liquor source – demineralized process water header. Pump supplies water to spray nozzles; inlet gas flow: 24,000 SCFM @ 220 F and 14.6 PSIA.</p> | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Potential to emit is less than major threshold. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Refer to 45 CSR 13 permit R13-0815J or any subsequent designated permit of that number. | | |

| ATTACHMENT G - Air Pollution Control Device Form | | |
|--|---|---|
| Control device ID number: T6IZC | List all emission units associated with this control device. T6IV, T6IE, T6IF (any or all) >T6IFC>T6IZC | |
| Manufacturer: Monsanto Enviro-Chem | Model number: Brink Demister | Installation date: MM/DD/YYYY |
| Type of Air Pollution Control Device: | | |
| <input type="checkbox"/> Baghouse/Fabric Filter | <input type="checkbox"/> Venturi Scrubber | <input type="checkbox"/> Multiclone |
| <input type="checkbox"/> Carbon Bed Absorber | <input checked="" type="checkbox"/> Packed Tower Scrubber | <input type="checkbox"/> Single Cyclone |
| <input type="checkbox"/> Carbon Drum(s) | <input type="checkbox"/> Other Wet Scrubber | <input type="checkbox"/> Cyclone Bank |
| <input type="checkbox"/> Catalytic Incinerator | <input type="checkbox"/> Condenser | <input type="checkbox"/> Settling Chamber |
| <input type="checkbox"/> Thermal Incinerator | <input type="checkbox"/> Flare | <input type="checkbox"/> Other (describe) _____ |
| <input type="checkbox"/> Wet Plate Electrostatic Precipitator | <input type="checkbox"/> Dry Plate Electrostatic Precipitator | |
| List the pollutants for which this device is intended to control and the capture and control efficiencies. | | |
| Pollutant | Capture Efficiency | Control Efficiency |
| VOC | 100% | 98% |
| Non-regulated | 100% | 0% |
| | | |
| Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.). | | |
| The scrubber fluid is sent to another part of the plant for recovery and reuse of the material captured by the scrubber. Scrubber liquor is single-pass buffered demineralized water (pH to 10); area has a demineralized water supply system; pump supplies water to scrubber spray nozzles. Gas flow into collector is 24,000 SCFM (design maximum), 18,000 SCFM (average expected). | | |
| Is this device subject to the CAM requirements of 40 C.F.R. 64? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If Yes, Complete ATTACHMENT H | | |
| If No, Provide justification. Potential to emit is less than major threshold. | | |
| Describe the parameters monitored and/or methods used to indicate performance of this control device. | | |
| Refer to 45 CSR 13 permit R13-0815J or any subsequent designated permit of that number. | | |

Attachment H – CAM Rules Applicability

ATTACHMENT H - Compliance Assurance Monitoring (CAM) Plan Form

For definitions and information about the CAM rule, please refer to 40 CFR Part 64. Additional information (including guidance documents) may also be found at <http://www.epa.gov/ttn/emc/cam.html>

CAM APPLICABILITY DETERMINATION

1) Does the facility have a PSEU (Pollutant-Specific Emissions Unit considered separately with respect to **EACH** regulated air pollutant) that is subject to CAM (40 CFR Part 64), which must be addressed in this CAM plan submittal? To determine applicability, a PSEU must meet **all** of the following criteria (*If No, then the remainder of this form need not be completed*): YES NO

- a. The PSEU is located at a major source that is required to obtain a Title V permit;
- b. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is **NOT** exempt;

LIST OF EXEMPT EMISSION LIMITATIONS OR STANDARDS:

- NSPS (40 CFR Part 60) or NESHAP (40 CFR Parts 61 and 63) proposed after 11/15/1990.
 - Stratospheric Ozone Protection Requirements.
 - Acid Rain Program Requirements.
 - Emission Limitations or Standards for which a WVDEP Division of Air Quality Title V permit specifies a continuous compliance determination method, as defined in 40 CFR §64.1.
 - An emission cap that meets the requirements specified in 40 CFR §70.4(b)(12).
- c. The PSEU uses an add-on control device (as defined in 40 CFR §64.1) to achieve compliance with an emission limitation or standard;
 - d. The PSEU has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than the Title V Major Source Threshold Levels; AND
 - e. The PSEU is **NOT** an exempt backup utility power emissions unit that is municipally-owned.

BASIS OF CAM SUBMITTAL

2) Mark the appropriate box below as to why this CAM plan is being submitted as part of an application for a Title V permit:

- RENEWAL APPLICATION.** **ALL** PSEUs for which a CAM plan has **NOT** yet been approved need to be addressed in this CAM plan submittal.
- INITIAL APPLICATION** (submitted after 4/20/98). **ONLY** large PSEUs (i. e., PSEUs with potential post-control device emissions of an applicable regulated air pollutant that are equal to or greater than Major Source Threshold Levels) need to be addressed in this CAM plan submittal.
- SIGNIFICANT MODIFICATION TO LARGE PSEUs.** **ONLY** large PSEUs being modified after 4/20/98 need to be addressed in this cam plan submittal. For large PSEUs with an approved CAM plan, **Only** address the appropriate monitoring requirements affected by the significant modification.

| 3) ^a BACKGROUND DATA AND INFORMATION | | | | | |
|---|-------------------|-----------|----------------|--|---|
| Complete the following table for all PSEUs that need to be addressed in this CAM plan submittal. This section is to be used to provide background data and information for each PSEU in order to supplement the submittal requirements specified in 40 CFR §64.4. If additional space is needed, attach and label accordingly. | | | | | |
| PSEU DESIGNATION | DESCRIPTION | POLLUTANT | CONTROL DEVICE | ^b EMISSION LIMITATION or STANDARD | ^c MONITORING REQUIREMENT |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| <u>EXAMPLE</u> Boiler No. 1 | Wood-Fired Boiler | PM | Multiclone | 45CSR§2-4.1.c.; 9.0 lb/hr | Monitor pressure drop across multiclone: Weekly inspection of multiclone |

^a If a control device is common to more than one PSEU, one monitoring plan may be submitted for the control device with the affected PSEUs identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a). If a single PSEU is controlled by more than one control device similar in design and operation, one monitoring plan for the applicable control devices may be submitted with the applicable control devices identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a).

^b Indicate the emission limitation or standard for any applicable requirement that constitutes an emission limitation, emission standard, or standard of performance (as defined in 40 CFR §64.1).

^ Indicate the monitoring requirements for the PSEU that are required by an applicable regulation or permit condition.

| CAM MONITORING APPROACH CRITERIA | | | |
|--|-----------------------|--|--|
| Complete this section for EACH PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide monitoring data and information for EACH indicator selected for EACH PSEU in order to meet the monitoring design criteria specified in 40 CFR §64.3 and §64.4. If more than two indicators are being selected for a PSEU or if additional space is needed, attach and label accordingly with the appropriate PSEU designation, pollutant, and indicator numbers. | | | |
| 4a) PSEU Designation: | 4b) Pollutant: | 4c) ^a Indicator No. 1: | 4d) ^a Indicator No. 2: |
| 5a) GENERAL CRITERIA Describe the <u>MONITORING APPROACH</u> used to measure the indicators: | | | |
| ^b Establish the appropriate <u>INDICATOR RANGE</u> or the procedures for establishing the indicator range which provides a reasonable assurance of compliance: | | | |
| 5b) PERFORMANCE CRITERIA Provide the <u>SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA</u> , such as detector location, installation specifications, and minimum acceptable accuracy: | | | |
| ^c For new or modified monitoring equipment, provide <u>VERIFICATION PROCEDURES</u> , including manufacturer's recommendations, <u>TO CONFIRM THE OPERATIONAL STATUS</u> of the monitoring: | | | |
| Provide <u>QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PRACTICES</u> that are adequate to ensure the continuing validity of the data, (i.e., daily calibrations, visual inspections, routine maintenance, RATA, etc.): | | | |
| ^d Provide the <u>MONITORING FREQUENCY</u> : | | | |
| Provide the <u>DATA COLLECTION PROCEDURES</u> that will be used: | | | |
| Provide the <u>DATA AVERAGING PERIOD</u> for the purpose of determining whether an excursion or exceedance has occurred: | | | |

^a Describe all indicators to be monitored which satisfies 40 CFR §64.3(a). Indicators of emission control performance for the control device and associated capture system may include measured or predicted emissions (including visible emissions or opacity), process and control device operating parameters that affect control device (and capture system) efficiency or emission rates, or recorded findings of inspection and maintenance activities.

^b Indicator Ranges may be based on a single maximum or minimum value or at multiple levels that are relevant to distinctly different operating conditions, expressed as a function of process variables, expressed as maintaining the applicable indicator in a particular operational status or designated condition, or established as interdependent between more than one indicator. For CEMS, COMS, or PEMS, include the most recent certification test for the monitor.

^c The verification for operational status should include procedures for installation, calibration, and operation of the monitoring equipment, conducted in accordance with the manufacturer's recommendations, necessary to confirm the monitoring equipment is operational prior to the commencement of the required monitoring.

^d Emission units with post-control PTE ≥ 100 percent of the amount classifying the source as a major source (i.e., Large PSEU) must collect four or more values per hour to be averaged. A reduced data collection frequency may be approved in limited circumstances. Other emission units must collect data at least once per 24 hour period.

RATIONALE AND JUSTIFICATION

Complete this section for EACH PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide rationale and justification for the selection of EACH indicator and monitoring approach and EACH indicator range in order to meet the submittal requirements specified in 40 CFR §64.4.

6a) PSEU Designation:

6b) Regulated Air Pollutant:

7) **INDICATORS AND THE MONITORING APPROACH**: Provide the rationale and justification for the selection of the indicators and the monitoring approach used to measure the indicators. Also provide any data supporting the rationale and justification. Explain the reasons for any differences between the verification of operational status or the quality assurance and control practices proposed, and the manufacturer's recommendations. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

8) **INDICATOR RANGES**: Provide the rationale and justification for the selection of the indicator ranges. The rationale and justification shall indicate how EACH indicator range was selected by either a COMPLIANCE OR PERFORMANCE TEST, a TEST PLAN AND SCHEDULE, or by ENGINEERING ASSESSMENTS. Depending on which method is being used for each indicator range, include the specific information required below for that specific indicator range. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

- **COMPLIANCE OR PERFORMANCE TEST** (Indicator ranges determined from control device operating parameter data obtained during a compliance or performance test conducted under regulatory specified conditions or under conditions representative of maximum potential emissions under anticipated operating conditions. Such data may be supplemented by engineering assessments and manufacturer's recommendations). The rationale and justification shall INCLUDE a summary of the compliance or performance test results that were used to determine the indicator range, and documentation indicating that no changes have taken place that could result in a significant change in the control system performance or the selected indicator ranges since the compliance or performance test was conducted.
- **TEST PLAN AND SCHEDULE** (Indicator ranges will be determined from a proposed implementation plan and schedule for installing, testing, and performing any other appropriate activities prior to use of the monitoring). The rationale and justification shall INCLUDE the proposed implementation plan and schedule that will provide for use of the monitoring as expeditiously as practicable after approval of this CAM plan, except that in no case shall the schedule for completing installation and beginning operation of the monitoring exceed 180 days after approval.
- **ENGINEERING ASSESSMENTS** (Indicator Ranges or the procedures for establishing indicator ranges are determined from engineering assessments and other data, such as manufacturers' design criteria and historical monitoring data, because factors specific to the type of monitoring, control device, or PSEU make compliance or performance testing unnecessary). The rationale and justification shall INCLUDE documentation demonstrating that compliance testing is not required to establish the indicator range.

RATIONALE AND JUSTIFICATION:

Specific Insignificant Activities:

C2KQ – Sump used to handle waste water; no regulated air pollutants are emitted. This falls under #50 on Reg.13 Insignificant List: “Storage tanks, vessels and containers holding or storing liquid substances that will not emit any regulated pollutant.”

C2EZ – Tergitol® Truck unloading; no regulated air pollutants are emitted. This falls under #50 on Reg.13 Insignificant List: “Storage tanks, vessels and containers holding or storing liquid substances that will not emit any regulated pollutant.”

T5HK – Process Tank handling; this tank previously handled an ozone depleting substance, but now handles a non-regulated material; see Permit Determination PD14-007 issued on January 30, 2014. As a result, this tank falls under #50 on the Reg.13 Insignificant List: “Storage tanks, vessels and containers holding or storing liquid substances that will not emit any regulated pollutant.”

T5HL - Process Tank handling; this tank previously handled an ozone depleting substance, but now handles a non-regulated material; see Permit Determination PD14-007 issued on January 30, 2014. As a result, this tank falls under #50 on the Reg.13 Insignificant List: “Storage tanks, vessels and containers holding or storing liquid substances that will not emit any regulated pollutant.”

T7JO – Sulfite Tank is an insignificant source since it is a non-volatile aqueous salt; was included on the list form for Title V registration purposes. This falls under #50 on Reg.13 Insignificant List: “Storage tanks, vessels and containers holding or storing liquid substances that will not emit any regulated pollutant.”

T7JP - Sulfite Tank is an insignificant source since it is a non-volatile aqueous salt; was included on the list form for Title V registration purposes. This falls under #50 on Reg.13 Insignificant List: “Storage tanks, vessels and containers holding or storing liquid substances that will not emit any regulated pollutant.”

T6IG and T6IH are tanks that handle only ammonium carbonate, therefore these tanks fall under #50 on the Reg.13 Insignificant List: “Storage tanks, vessels and containers holding or storing liquid substances that will not emit any regulated pollutant.”