

Statement of Basis of the Federal Operating Permit

The Dow Chemical Company

Site Name: Epoxy Products 2
Physical Location: 2301 N Brazosport Blvd
Nearest City: Freeport
County: Brazoria

Permit Number: O2208
Project Type: Significant Revision

Standard Industrial Classification (SIC) Code: 2869
SIC Name: Industrial Organic Chemicals

This Statement of Basis sets forth the legal and factual basis for the draft changes to the permit conditions resulting from the significant revision project in accordance with 30 TAC §122.201(a)(4). The applicant has submitted an application for a significant permit revision per §§ 122.219-211. This document may include the following information:

- A description of the facility/area process description;
- A description of the revision project;
- A basis for applying permit shields;
- A list of the federal regulatory applicability determinations;
- A table listing the determination of applicable requirements;
- A list of the New Source Review Requirements;
- The rationale for periodic monitoring methods selected;
- The rationale for compliance assurance methods selected;
- A compliance status; and
- A list of available unit attribute forms.

Prepared on: August 2, 2016

Operating Permit Basis of Determination

Description of Revisions

Following changes are made:

- (1) Site wide terms and conditions were updated.
- (2) Alternate Method of Compliance (AMOC) dated February 4, 2016 was added.
- (3) PCA is updated for a number of units.
- (4) Several new units (B19G1ST214, B19G1ST22A, B23G2ST219, B58ALCT950, PROAPDC, PROB19B23, PROB68, PROBO, PROHYDRO, B68ALST400, B68ALR401, B68ALT402, B68ALT403, B19G1D406A, B23G2ST214, B23G2ST222, B19G1D894, B19SP937, B68ALPRX3 and B23G2RX3) were added
- (5) Unit attribute values are updated for number of Unit Attribute forms. New requirements determined.
- (6) Multiple SOP index numbers for similar control device types are consolidated under one SOP index number.
B19G1ST034, B19G1ST46A, B19G1ST46B, B68ALST272, B68ALST274, B68ALST275, B68ALST490, B68ALST700, B68ALST751, B68ALST810, B68ALST851, B70ALST070, B70ALST071, and B70ALST074 (All R5112)
B19G1ST209, B23G2ST43, B23G2ST44, B68ALST436, B68ALST480, and B68ALST700 (All 61FF)
B19ALV1, B19G1RX1, B19G1RX2, B23G2RX1, B68ALPRX3, B68ALRX1, B68EPRX1, and B68PRRX2 (All R5121)
- (7) Changes are made to the PM for unit ids: B68ALST436 (60Kb-1), B70ALST074 (60Kb-1). PM option was changed to PM-V-007 from PM-V-003
- (8) Changes are made to the permit shield.
 - a. Added permit shield for NSPS NNN to B19G1D406A
 - b. Added permit shield for MACT FFFF to B68ALST751
 - c. Added several permit shields to B19G15T50A, B19G15T50B and B19G15T50C, B23G2ST214, B23G2ST219, B68ALST400.
 - d. Deleted permit shield for NSPS NNN from B23T830, B23T840, B23T845, B68ALT860, B68ALT870, B68ALT880, B68DU560, B68DU570, B68DU580
 - e. Deleted permit shield for MACT G from B19G1LR9, B23G1LR8, B23G2LR1
 - f. Deleted permit shield for 30 TAC Ch. 115 Storage of VOCs from B19G1ST208, B19G1WT218, B23G2ST30, B23G2ST37, B23G2ST38, B23G2ST42, B23G2ST43, B23G2ST44, B23G2ST52, B23G2ST56, B23G2WT863, B23ST253, B68ALST436, B68ALST62, B68ALST63, B68ALST64, B68ST4073, B70ST250A, B70ST250B
- (9) Unit Ids B68PDSV597 and B68PDSV897 were deleted.

Permit Area Process Description

Glycerine 1: Crude Glycerine is the reaction product of epichlorohydrin and water in an alkaline carbonate medium. Epichlorohydrin is manufactured by the reaction of allyl chloride, chlorine, water and caustic to form epichlorohydrin and 1, 2, 3 trichloropropane. Vents from processes, storage tanks and loading facilities, fuel gas, water and liquid streams are fed to the thermal treatment units. Epichlorohydrin and 1,2,3 trichloropropane are transferred to storage facilities for distribution. Excess 1,2,3 trichloropropane is fed to the thermal treatment units. All vapor vents from the loading facility are recycled back to the pertinent storage tank or the thermal treatment units.

Butylene Oxide is manufactured by the reaction of butene, chlorine, water, and caustic. Vents are fed to the thermal treatment units. Liquid wastes are fed the Thermal Treatment Units. Butene unloading is performed with closed vapor piping. The thermal treatment units are used to burn vent emissions and liquids from sources such as Glycerine 2, Propylene Oxide, Polyglycol Amines, and Trichloroethylene.

Glycerine 2: The Glycerine Finishing process consists of multiple unit operations which start with crude glycerine at 17% to 20% concentration. The finished product has a concentration of 99.7% or more. Crude glycerine is fed into an evaporator train which concentrates the feed by evaporating water. The salt is crystallized and removed. In the next step the concentrated glycerine is distilled leaving behind alkaline materials, polyglycerines, and sodium chloride. The glycerine is steam stripped to remove light impurities

which are recycled to the evaporators. The glycerine from the tower bottoms then enters the extraction operation. In the extractors, glycerine is mixed with acetone to remove certain impurities. Acetone is phase separated by distillation. The impurities are sent to the thermal treatment units.

Epoxy Intermediate Products: Several manufacturing processes such as ally chloride, epichlorohydrin, glycerine, soil fumigants, propylene dichloride processing and butylene oxide make up the Epoxy Products area. Emissions from the area include thermal treatment units, flares, fugitives from the loading areas, and tanks. Four thermal treatment units, along with three flares, control emissions from these and other processes.

Butylene Oxide: Butylene Oxide is produced in a two-step reaction. In the first step, hypochlorination of butene to 1, 2 and 2, 1 butylchlorohydrin(BCH) take place in a plug flow reactor in which chlorine is first put in water and then butene is added to complete the reaction. In the second reaction step, epoxidation of the BCH to butyle oxide is accomplished by injection of the cell effluent (10% caustic) into the BCH solution. Crude Butylene Oxide is then purified in a series of two distillation columns as the Butylene Oxide finishing process. Finished Butylene Oxide is stored in tanks and then pumped directly to other plants or to the outside customers via tank car or truck.

FOPs at Site

The “application area” consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: O2203, O2206, O2207, O2211, O2212, O2213, O2214, O2215, O2216, O2217, O2218, O2219, O2220, O2221, O2311, O2697, O3777, O3905

Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, SO ₂ , PM, NO _x , HAPS, CO
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Reading State of Texas’s Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as “applicable requirements”) that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
 - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
 - Additional Monitoring Requirements
 - New Source Review Authorization Requirements
 - Compliance Requirements
 - Protection of Stratosphere Ozone
 - Permit Location

- Permit Shield (30 TAC § 122.148)
- Attachments
 - Applicable Requirements Summary
 - Unit Summary
 - Applicable Requirements Summary
 - Additional Monitoring Requirements
 - Permit Shield
 - New Source Review Authorization References
 - Compliance Plan
 - Alternative Requirements
- Appendix A
 - Acronym list

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting: The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions: The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary: The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement: The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow

rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield: A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References: All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan: A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements: This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed either before or after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3 for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing

vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	No
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Yes
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CAIR (Clean Air Interstate Rule)	No

Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the “Permit Shield” attachment of the permit.

Insignificant Activities

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information

about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*
B1922	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Incinerator other than a catalytic incinerator.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B1922	40 CFR Part 63, Subpart FFFF	63FFFF-02	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device does not meet criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B1922	40 CFR Part 63, Subpart FFFF	63FFFF-03	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity of less than 44 MW and the vent stream is not introduced as or with the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B19G1ST034	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B19G1ST034	30 TAC Chapter 115, Storage of VOCs	R5112-02	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Control Device Type = Flare</p>
B19G1ST208	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>
B19G1ST209	40 CFR Part 61, Subpart FF	61FF-01	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>
B19G1ST214	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>
B19G1ST216	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>
B19G1ST22A	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>
B19G1ST46A	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B19G1ST46A	30 TAC Chapter 115, Storage of VOCs	R5112-02	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Flare</p>
B19G1ST46A	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>Process Wastewater = Tank does not receive, manage or treat process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>Meets § 63.149(d) = The tank meets the criteria of 40 CFR § 63.149(d) or the criteria in 40 CFR § 63.149(e)(2).</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Incinerator other than a catalytic incinerator.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B19G1ST46A	40 CFR Part 63, Subpart FFFF	63FFFF-02	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device does not meet criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B19G1ST46A	40 CFR Part 63, Subpart FFFF	63FFFF-03	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity of less than 44 MW and the vent stream is not introduced as or with the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B19G1ST46B	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B19G1ST46B	30 TAC Chapter 115, Storage of VOCs	R5112-02	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Flare</p>
B19G1ST46B	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>Process Wastewater = Tank does not receive, manage or treat process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>Meets § 63.149(d) = The tank meets the criteria of 40 CFR § 63.149(d) or the criteria in 40 CFR § 63.149(e)(2).</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Incinerator other than a catalytic incinerator.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
B19G1ST46B	40 CFR Part 63, Subpart FFFF	63FFFF-02	<p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p> <p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device does not meet criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B19G1ST46B	40 CFR Part 63, Subpart FFFF	63FFFF-03	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity of less than 44 MW and the vent stream is not introduced as or with the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B19G1ST50A	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
B19G1ST50B	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
B19G1ST50C	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
B19G1ST853	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B19G1WT218	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>
B23G2ST214	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p>
B23G2ST219	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons
B23G2ST30	30 TAC Chapter 115, Storage of VOCs	R5112-01	Today's Date = Today's date is March 1, 2013 or later. Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
B23G2ST37	30 TAC Chapter 115, Storage of VOCs	R5112-01	Today's Date = Today's date is March 1, 2013 or later. Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
B23G2ST37	40 CFR Part 60, Subpart Kb	60Kb-01	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)
B23G2ST38	30 TAC Chapter 115, Storage of VOCs	R5112-01	Today's Date = Today's date is March 1, 2013 or later. Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
B23G2ST38	40 CFR Part 60, Subpart Kb	60Kb-01	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)
B23G2ST38	40 CFR Part 63, Subpart EEEE	63EEEE-01	Product Stored = Organic HAP containing liquid other than crude oil.
B23G2ST42	30 TAC Chapter 115, Storage of	R5112-01	Today's Date = Today's date is March 1, 2013 or later.

Unit ID	Regulation	Index Number	Basis of Determination*
	VOCs		<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p>
B23G2ST42	40 CFR Part 63, Subpart EEEE	63EEEE-01	Product Stored = Organic HAP containing liquid other than crude oil.
B23G2ST43	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>
B23G2ST43	40 CFR Part 61, Subpart FF	61FF-01	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>
B23G2ST44	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>
B23G2ST44	40 CFR Part 61, Subpart FF	61FF-01	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>
B23G2ST52	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>
B23G2ST52	40 CFR Part 60, Subpart Kb	60Kb-01	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = CVS and control device other than a flare (fixed roof)</p>
B23G2WT863	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
B23ST253	30 TAC Chapter 115, Storage of VOCs	R5112-01	Today's Date = Today's date is March 1, 2013 or later. Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
B68ALST272	30 TAC Chapter 115, Storage of VOCs	R5112-01	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Direct-flame incinerator
B68ALST272	30 TAC Chapter 115, Storage of VOCs	R5112-02	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Flare
B68ALST274	30 TAC Chapter 115, Storage of VOCs	R5112-01	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Direct-flame incinerator
B68ALST274	30 TAC Chapter 115, Storage of VOCs	R5112-02	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate

Unit ID	Regulation	Index Number	Basis of Determination*
			Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Flare
B68ALST275	30 TAC Chapter 115, Storage of VOCs	R5112-01	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Direct-flame incinerator
B68ALST275	30 TAC Chapter 115, Storage of VOCs	R5112-02	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons Control Device Type = Flare
B68ALST400	30 TAC Chapter 115, Storage of VOCs	R5112-01	Today's Date = Today's date is March 1, 2013 or later. Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
B68ALST400	40 CFR Part 63, Subpart FFFF	63FFFF-01	Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. Determined HAL = The emission stream is determined to be halogenated. Emission Standard = HAP vapor pressure is greater than or equal to 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.a.i. CEMS = A continuous parameter monitoring system is used. HAL Device Type = A halogen scrubber following a combustion device. Prior Test = The data from a prior performance test is used. SS Device Type = Incinerator other than a catalytic incinerator. Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2). Designated HAL = The emission stream is not designated as halogenated. Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure. Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.

Unit ID	Regulation	Index Number	Basis of Determination*
B68ALST400	40 CFR Part 63, Subpart FFFF	63FFFF-02	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is greater than or equal to 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.a.i.</p> <p>CEMS = A continuous parameter monitoring system is used.</p> <p>HAL Device Type = A halogen scrubber following a combustion device.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity of less than 44 MW and the vent stream is not introduced as or with the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device does not meet criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B68ALST400	40 CFR Part 63, Subpart FFFF	63FFFF-03	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is greater than or equal to 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.a.i.</p> <p>CEMS = A continuous parameter monitoring system is used.</p> <p>HAL Device Type = A halogen scrubber following a combustion device.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity of less than 44 MW and the vent stream is not introduced as or with the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B68ALST436	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>
B68ALST436	40 CFR Part 60, Subpart Kb	60Kb-01	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)</p>
B68ALST436	40 CFR Part 61, Subpart FF	61FF-01	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Closed Vent System and Control Device = No closed vent system and control device is used.</p> <p>Control Device Type/Operations = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>
B68ALST436	40 CFR Part 61, Subpart FF	61FF-02	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
B68ALST480	40 CFR Part 61, Subpart FF	61FF-01	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Alternate Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>
B68ALST480	40 CFR Part 61, Subpart FF	61FF-02	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Alternate Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>
B68ALST490	30 TAC Chapter 115, Storage of	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
	VOCs		<p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B68ALST490	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>HAL Device Type = A halogen scrubber following a combustion device.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Incinerator other than a catalytic incinerator.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B68ALST490	40 CFR Part 63, Subpart FFFF	63FFFF-02	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>HAL Device Type = A halogen scrubber following a combustion device.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device does not meet criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B68ALST490	40 CFR Part 63, Subpart FFFF	63FFFF-03	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>§ 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>HAL Device Type = A halogen scrubber following a combustion device.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity of less than 44 MW and the vent stream is not introduced as or with the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B68ALST62	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p>
B68ALST63	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p>
B68ALST64	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p>
B68ALST700	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B68ALST700	30 TAC Chapter 115, Storage of VOCs	R5112-02	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p> <p>Control Device Type = Flare</p>
B68ALST700	40 CFR Part 61, Subpart FF	61FF-01	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>
B68ALST700	40 CFR Part 61, Subpart FF	61FF-02	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>
B68ALST700	40 CFR Part 61, Subpart FF	61FF-03	<p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Flare</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>
B68ALST751	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B68ALST810	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B68ALST810	40 CFR Part 60,	60Kb-01	Product Stored = Volatile organic liquid

Unit ID	Regulation	Index Number	Basis of Determination*
	Subpart Kb		<p>Storage Capacity = Capacity is greater than or equal to 19,800 gallons (75,000 liters) but less than 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 2.2 psia but less than 4.0 psia</p> <p>Storage Vessel Description = CVS and control device other than a flare (fixed roof)</p>
B68ALST810	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>Process Wastewater = Tank does not receive, manage or treat process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>HAL Device Type = A halogen scrubber following a combustion device.</p> <p>Meets § 63.149(d) = The tank meets the criteria of 40 CFR § 63.149(d) or the criteria in 40 CFR § 63.149(e)(2).</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Incinerator other than a catalytic incinerator.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B68ALST810	40 CFR Part 63, Subpart FFFF	63FFFF-02	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per § 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>HAL Device Type = A halogen scrubber following a combustion device.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device does not meet criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B68ALST810	40 CFR Part 63, Subpart FFFF	63FFFF-03	<p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Determined HAL = The emission stream is determined to be halogenated.</p> <p>Emission Standard = HAP vapor pressure is < 76.6 and a non-flare CD is being used to meet 95% reduction per</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>§ 63.2470(a)-Table 4.1.b.ii</p> <p>CEMS = A continuous emissions monitoring system (CEMS) is used.</p> <p>HAL Device Type = A halogen scrubber following a combustion device.</p> <p>Prior Test = The data from a prior performance test is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity of less than 44 MW and the vent stream is not introduced as or with the primary fuel.</p> <p>Meets 63.998(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p>
B68ALST851	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B68ALST851	40 CFR Part 60, Subpart Kb	60Kb-01	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 19,800 gallons (75,000 liters) but less than 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 2.2 psia but less than 4.0 psia</p> <p>Storage Vessel Description = CVS and control device other than a flare (fixed roof)</p>
B68ST4073	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Today's Date = Today's date is March 1, 2013 or later.</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
B70ALST070	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>

Unit ID	Regulation	Index Number	Basis of Determination*
B70ALST070	30 TAC Chapter 115, Storage of VOCs	R5112-02	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Flare</p>
B70ALST071	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B70ALST071	30 TAC Chapter 115, Storage of VOCs	R5112-02	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Flare</p>
B70ALST074	30 TAC Chapter 115, Storage of VOCs	R5112-01	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Direct-flame incinerator</p>
B70ALST074	30 TAC Chapter 115, Storage of VOCs	R5112-02	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Flare</p>
B70ALST074	40 CFR Part 60,	60Kb-01	Product Stored = Volatile organic liquid

Unit ID	Regulation	Index Number	Basis of Determination*
	Subpart Kb		Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)
B70ALST074	40 CFR Part 60, Subpart Kb	60Kb-02	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)
B70ST250A	30 TAC Chapter 115, Storage of VOCs	R5112-01	Today's Date = Today's date is March 1, 2013 or later. Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
B70ST250B	30 TAC Chapter 115, Storage of VOCs	R5112-01	Today's Date = Today's date is March 1, 2013 or later. Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
B19G1LR9	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-01	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure less than 0.5 psia.
B23G1LR8	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-01	Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system. Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b). Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 and less than 11.0 psia, the overall emission controls are at least 90%, and an initial control plan and annual report has been submitted.

Unit ID	Regulation	Index Number	Basis of Determination*
			Daily Throughput = Loading greater than or equal to 20,000 gallons per day. Control Options = Vapor control system that maintains a control efficiency of at least 90%.
B23G2LR1	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-01	Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system. Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b). Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 and less than 11.0 psia, the overall emission controls are at least 90%, and an initial control plan and annual report has been submitted. Daily Throughput = Loading greater than or equal to 20,000 gallons per day. Control Options = Vapor control system that maintains a control efficiency of at least 90%.
B23G2LR1	40 CFR Part 63, Subpart EEEE	63EEEE-01	Existing Source = Source is an existing source Transfer Operation = Transfer rack only loads organic liquids Transfer Volume = Less than 800,000 gallons of organic containing liquids are transferred by the organic loading distribution facility annually. Weight Percent HAP = Liquids transferred contain 98 percent by weight or greater HAP
B23G2LR8	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-01	Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system. Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b). Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 and less than 11.0 psia, the overall emission controls are at least 90%, and an initial control plan and annual report has been submitted. Daily Throughput = Loading greater than or equal to 20,000 gallons per day. Control Options = Vapor control system that maintains a control efficiency of at least 90%.
B23G2LR8	40 CFR Part 63, Subpart EEEE	63EEEE-01	Existing Source = Source is an existing source Transfer Operation = Transfer rack only loads organic liquids Transfer Volume = Less than 800,000 gallons of organic containing liquids are transferred by the organic loading distribution facility annually.
B68ALLR1	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-01	Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system. Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b).

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 and less than 11.0 psia, the overall emission controls are at least 90%, and an initial control plan and annual report has been submitted.</p> <p>Daily Throughput = Loading greater than or equal to 20,000 gallons per day.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p>
B23S826	30 TAC Chapter 117, Subchapter B	R7ICI-01	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 2 MMBtu/hr, but less than 40 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a 30 day rolling average or a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on a rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>
B23S826	40 CFR Part 63, Subpart DDDDD	63DDDD-01	<p>CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010.</p> <p>ANNUAL CAPACITY FACTOR = ANNUAL CAPACITY FACTOR OTHER THAN A FEDERALLY ENFORCEABLE ANNUAL CAPACITY FACTOR.</p>
B68ALH3	30 TAC Chapter 117, Subchapter B	R7ICI-01	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 2 MMBtu/hr, but less than 40 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a 30 day rolling average or a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on a rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>

Unit ID	Regulation	Index Number	Basis of Determination*
B68ALH3	40 CFR Part 63, Subpart DDDDD	63DDDDD-01	<p>CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010.</p> <p>ANNUAL CAPACITY FACTOR = ANNUAL CAPACITY FACTOR OTHER THAN A FEDERALLY ENFORCEABLE ANNUAL CAPACITY FACTOR.</p> <p>FUEL TYPE = NATURAL GAS</p>
B19G1T210	30 TAC Chapter 117, Subchapter B	R7ICI-01	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Industrial, commercial, or institutional boiler regulated as an existing facility by the EPA at 40 CFR Part 266, Subpart H, as was in effect on June 9, 1993.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 40 MMBtu/hr but less than 100 MMBtu/hr.</p> <p>NOx Monitoring System = Maximum emission rate testing.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>Fuel Type #3 = Liquid fuel.</p> <p>NOx Reductions = No NO_x reduction.</p> <p>Annual Heat Input = Annual heat input is greater than 2.8(10¹¹) Btu/yr, based on rolling 12-month average.</p>
B19G1T210	40 CFR Part 60, Subpart Dc	60Dc-01	<p>Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ Inlet Monitoring Type = Fuel certification (or maintaining receipts).</p> <p>Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ Outlet Monitoring Type = No SO₂ monitoring.</p> <p>Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).</p> <p>Technology Type = Other conventional technology.</p> <p>D-Series Fuel Type = Natural gas.</p> <p>D-Series Fuel Type = Other fuel.</p>
B19G1T210	40 CFR Part 63, Subpart EEE	63EEE-01	<p>ALT Metals = In lieu of complying with the particulate matter standards, you elect to comply with the alternative metal emission control requirement.</p> <p>Type Fuel = Boiler burns liquid fuel.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Existing Source = The boiler is an existing source (construction or reconstruction commenced on or before April 20, 2004).</p> <p>Met Feedrate = Feedrate levels are established as 12-hour rolling average limit for semivolatile and low volatile metals.</p> <p>Area Source = The boiler is a major source as defined under §63.2.</p> <p>CO/THC Standard = Complying with the CO standard in § 63.1216(a)(5)(i) or (b)(5)(i); or § 63.1217(a)(5)(i) or (b)(5)(i).</p> <p>Baghouse = The boiler is not equipped with a baghouse.</p> <p>Dioxin/Furan Standard = Complying with the CO standard in § 63.1217(a)(1)(ii) or (b)(1)(ii).</p> <p>Dioxin-Listed = The boiler does not burn the dioxin-listed hazardous wastes F020, F021, F022, F023, F026, or F027.</p> <p>Heating Value = The hazardous waste as-fired heating value is 10,000 Btu/lb or greater.</p> <p>DRE Previous Test = DRE testing during the comprehensive initial performance testing is used to document conformance with the DRE standard.</p> <p>Hg Feedrate = Feedrate levels are established as 12-hour rolling average limit for Hg.</p>
B70ALTO2	30 TAC Chapter 117, Subchapter B	R7ICI-01	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Industrial, commercial, or institutional boiler regulated as an existing facility by the EPA at 40 CFR Part 266, Subpart H, as was in effect on June 9, 1993.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 40 MMBtu/hr but less than 100 MMBtu/hr.</p> <p>NOx Monitoring System = Maximum emission rate testing.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>Fuel Type #3 = Liquid fuel.</p> <p>NOx Reductions = No NO_x reduction.</p> <p>Annual Heat Input = Annual heat input is greater than 2.8(10¹¹) Btu/yr, based on rolling 12-month average.</p>
B70ALTO2	40 CFR Part 60, Subpart Dc	60Dc-01	<p>Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ Inlet Monitoring Type = Fuel certification (or maintaining receipts).</p> <p>Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBBB.</p> <p>SO₂ Outlet Monitoring Type = No SO₂ monitoring.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).</p> <p>Technology Type = Other conventional technology.</p> <p>D-Series Fuel Type = Natural gas.</p> <p>D-Series Fuel Type = Other fuel.</p>
B70ALTO2	40 CFR Part 63, Subpart EEE	63EEE-01	<p>ALT Metals = In lieu of complying with the particulate matter standards, you elect to comply with the alternative metal emission control requirement.</p> <p>Type Fuel = Boiler burns liquid fuel.</p> <p>Existing Source = The boiler is an existing source (construction or reconstruction commenced on or before April 20, 2004).</p> <p>Met Feedrate = Feedrate levels are established as 12-hour rolling average limit for semivolatile and low volatile metals.</p> <p>Area Source = The boiler is a major source as defined under §63.2.</p> <p>CO/THC Standard = Complying with the CO standard in § 63.1216(a)(5)(i) or (b)(5)(i); or § 63.1217(a)(5)(i) or (b)(5)(i).</p> <p>Baghouse = The boiler is not equipped with a baghouse.</p> <p>Dioxin/Furan Standard = Complying with the CO standard in § 63.1217(a)(1)(ii) or (b)(1)(ii).</p> <p>Dioxin-Listed = The boiler does not burn the dioxin-listed hazardous wastes F020, F021, F022, F023, F026, or F027.</p> <p>Heating Value = The hazardous waste as-fired heating value is 10,000 Btu/lb or greater.</p> <p>DRE Previous Test = DRE testing during the comprehensive initial performance testing is used to document conformance with the DRE standard.</p> <p>Hg Feedrate = Feedrate levels are established as 12-hour rolling average limit for Hg.</p>
B23G1FS865	40 CFR Part 60, Subpart A	60A-01	<p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)</p>
B70ALF1	40 CFR Part 60, Subpart A	60A-01	<p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)</p>
B70PDF801	30 TAC Chapter 111, Visible Emissions	R1111	<p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used only under emergency or upset conditions.</p>
B70PDF801	40 CFR Part 60,	60A-01	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.

Unit ID	Regulation	Index Number	Basis of Determination*
	Subpart A		Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).
B70PDF801	40 CFR Part 60, Subpart A	60A-02	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
B19G1FU7	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	SOP/GOP Index No. = Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
B19G1FU7	40 CFR Part 60, Subpart VV	60VV-ALL	SOP Index No. = Owner or operator assumes fugitive unit control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart VV with no alternate control or control devices.
B19G1FU7	40 CFR Part 63, Subpart FFFF	63FFFF-01	Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.
B19G1FU7	40 CFR Part 63, Subpart H	63H-ALL	SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device.
B23G1FU8	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	SOP/GOP Index No. = Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
B23G1FU8	40 CFR Part 63, Subpart EEEE	63EEEE-01	Component Service Hours = Pumps, valves or sampling connections at the Organic Loading Distribution Facility operate in organic HAP service 300 hours/yr or more.
B23G1FU8	40 CFR Part 63, Subpart H	63H-ALL	SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device.
GRPFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	SOP/GOP Index No. = Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
GRPFUG	40 CFR Part 63, Subpart H	63H-ALL	SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device.
B19CT490	40 CFR Part 63, Subpart FFFF	63FFFF-01	Monitoring = A surrogate indicator for heat exchange system/cooling tower leaks is being monitored.
B21CT960	30 TAC Chapter 115, HRVOC Cooling Towers	R5760-01	Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption. Jacketed Reactor = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor. Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Design Capacity = Design capacity to circulate 8000 gpm or greater.</p> <p>Finite Volume System = The cooling tower heat exchange system is complying with the requirements in § 115.764(a).</p> <p>Modified Monitoring = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764.</p> <p>Flow Monitoring/Testing Method = Choosing to use a continuous flow monitor on each inlet of each cooling tower in accordance with § 115.764(a)(1), (b)(1), or (h)(1).</p> <p>Total Strippalbe VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).</p> <p>On-Line Monitor = A continuous on-line monitor capable of providing total HRVOC and speciated HRVOCs in ppbw is being used.</p>
B58ALCT950	30 TAC Chapter 115, HRVOC Cooling Towers	R5760-01	<p>Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption.</p> <p>Jacketed Reactor = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor.</p> <p>Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.</p> <p>Design Capacity = Design capacity to circulate 8000 gpm or greater.</p> <p>Finite Volume System = The cooling tower heat exchange system is complying with the requirements in § 115.764(a).</p> <p>Modified Monitoring = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764.</p> <p>Flow Monitoring/Testing Method = Choosing to use a continuous flow monitor on each inlet of each cooling tower in accordance with § 115.764(a)(1), (b)(1), or (h)(1).</p> <p>Total Strippalbe VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).</p> <p>On-Line Monitor = A continuous on-line monitor capable of providing total HRVOC and speciated HRVOCs in ppbw is being used.</p>
B1922	30 TAC Chapter 115, Water Separation	R5131-01	<p>Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.</p> <p>Exemption = Water separator does not qualify for exemption.</p> <p>Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131.</p> <p>Control Device = Control device or vapor recovery system other than a chiller, carbon adsorber, or incinerator.</p>
B19SP105	30 TAC Chapter 115, Water Separation	R5131-01	<p>Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.</p> <p>Exemption = Water separator does not qualify for exemption.</p> <p>Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131.</p> <p>Control Device = Control device or vapor recovery system other than a chiller, carbon adsorber, or incinerator.</p>
B19SP105	40 CFR Part 63, Subpart G	63G-01	<p>Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Process Wastewater = OIL-WATER SEPARATOR DOES NOT RECEIVE, MANAGE, OR TREAT PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.148</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Bypass Lines = BYPASS LINE VALVES ARE SECURED IN THE CLOSED POSITION WITH A CAR-SEAL OR LOCK-AND-KEY CONFIGURATION</p> <p>Control Requirement = CLOSED VENT SYSTEM THAT ROUTES VAPORS TO A CONTROL DEVICE THAT MEETS THE REQUIREMENTS OF 40 CFR § 63.139(C)</p> <p>Control Device Type = THERMAL VAPOR INCINERATOR</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p> <p>Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13</p>
B19SP105	40 CFR Part 63, Subpart G	63G-02	<p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Process Wastewater = OIL-WATER SEPARATOR DOES NOT RECEIVE, MANAGE, OR TREAT PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.148</p> <p>Bypass Lines = BYPASS LINE VALVES ARE SECURED IN THE CLOSED POSITION WITH A CAR-SEAL OR LOCK-AND-KEY CONFIGURATION</p> <p>Control Requirement = CLOSED VENT SYSTEM THAT ROUTES VAPORS TO A CONTROL DEVICE THAT MEETS THE REQUIREMENTS OF 40 CFR § 63.139(C)</p> <p>Control Device Type = THERMAL VAPOR INCINERATOR</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p> <p>Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13</p>
B19SP105	40 CFR Part 63, Subpart G	63G-03	<p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Process Wastewater = OIL-WATER SEPARATOR DOES NOT RECEIVE, MANAGE, OR TREAT PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.148</p> <p>Bypass Lines = BYPASS LINE VALVES ARE SECURED IN THE CLOSED POSITION WITH A CAR-SEAL OR LOCK-AND-KEY CONFIGURATION</p> <p>Control Requirement = CLOSED VENT SYSTEM THAT ROUTES VAPORS TO A CONTROL DEVICE THAT MEETS THE REQUIREMENTS OF 40 CFR § 63.139(C)</p> <p>Control Device Type = BOILER OR PROCESS HEATER PERMITTED TO BURN HAZARDOUS WASTE</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13
B19SP313	30 TAC Chapter 115, Water Separation	R5131-01	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Control device or vapor recovery system other than a chiller, carbon adsorber, or incinerator.
B19SP420	30 TAC Chapter 115, Water Separation	R5131-01	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Control device or vapor recovery system other than a chiller, carbon adsorber, or incinerator.
B19SP430	30 TAC Chapter 115, Water Separation	R5131-01	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Control device or vapor recovery system other than a chiller, carbon adsorber, or incinerator.
B19SP912	30 TAC Chapter 115, Water Separation	R5131-01	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Direct flame incinerator.
B19SP912	30 TAC Chapter 115, Water Separation	R5131-02	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Direct flame incinerator.
B19SP912	30 TAC Chapter 115, Water Separation	R5131-03	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Direct flame incinerator.
B19SP912	40 CFR Part 63, Subpart G	63G-01	Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE Process Wastewater = OIL-WATER SEPARATOR DOES NOT RECEIVE, MANAGE, OR TREAT PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.148</p> <p>Bypass Lines = BYPASS LINE VALVES ARE SECURED IN THE CLOSED POSITION WITH A CAR-SEAL OR LOCK-AND-KEY CONFIGURATION</p> <p>Control Requirement = CLOSED VENT SYSTEM THAT ROUTES VAPORS TO A CONTROL DEVICE THAT MEETS THE REQUIREMENTS OF 40 CFR § 63.139(C)</p> <p>Control Device Type = THERMAL VAPOR INCINERATOR</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p> <p>Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13</p>
B19SP912	40 CFR Part 63, Subpart G	63G-02	<p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Process Wastewater = OIL-WATER SEPARATOR DOES NOT RECEIVE, MANAGE, OR TREAT PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.148</p> <p>Bypass Lines = BYPASS LINE VALVES ARE SECURED IN THE CLOSED POSITION WITH A CAR-SEAL OR LOCK-AND-KEY CONFIGURATION</p> <p>Control Requirement = CLOSED VENT SYSTEM THAT ROUTES VAPORS TO A CONTROL DEVICE THAT MEETS THE REQUIREMENTS OF 40 CFR § 63.139(C)</p> <p>Control Device Type = THERMAL VAPOR INCINERATOR</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p> <p>Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13</p>
B19SP912	40 CFR Part 63, Subpart G	63G-03	<p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Process Wastewater = OIL-WATER SEPARATOR DOES NOT RECEIVE, MANAGE, OR TREAT PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.148</p> <p>Bypass Lines = BYPASS LINE VALVES ARE SECURED IN THE CLOSED POSITION WITH A CAR-SEAL OR LOCK-AND-KEY CONFIGURATION</p> <p>Control Requirement = CLOSED VENT SYSTEM THAT ROUTES VAPORS TO A CONTROL DEVICE THAT MEETS THE REQUIREMENTS OF 40 CFR § 63.139(C)</p> <p>Control Device Type = BOILER OR PROCESS HEATER PERMITTED TO BURN HAZARDOUS WASTE</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13 Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13
B19SP937	30 TAC Chapter 115, Water Separation	R5131-01	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Direct flame incinerator.
B19SP937	30 TAC Chapter 115, Water Separation	R5131-02	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Direct flame incinerator.
B19SP937	30 TAC Chapter 115, Water Separation	R5131-03	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Water separator does not qualify for exemption. Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131. Control Device = Direct flame incinerator.
B68C12	30 TAC Chapter 115, Water Separation	R5131-01	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure less than 0.5 psia (3.4 kPa) obtained from any equipment.
B19ALV1	30 TAC Chapter 115, Vent Gas Controls	R5121-01	Alternate Control Requirement = Alternate control is not used. Chapter 115 Division = The vent stream originates from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C). Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.
B19G1D209	40 CFR Part 63, Subpart FFFF	63FFFF-01	Designated Grp1 = The emission stream is designated as Group 1. Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet 98% reduction per § 63.2455(a) - Table 1.1.a.i. Hal Device Type = A halogen scrubber following a combustion device. Meets 63.988(b)(2) = The control device meets criteria in § 63.985(b)(2). Small Device = A small control device (defined in § 63.2550) is not being used.

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is used.</p> <p>Determined Hal = The emission stream is determined to be halogenated.</p> <p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p> <p>CEMS = A CEMS is used.</p> <p>SS Device Type = Incinerator other than a catalytic incinerator.</p>
B19G1D209	40 CFR Part 63, Subpart FFFF	63FFFF-02	<p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet 98% reduction per § 63.2455(a) - Table 1.1.a.i.</p> <p>Hal Device Type = A halogen scrubber following a combustion device.</p> <p>Meets 63.988(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is used.</p> <p>Determined Hal = The emission stream is determined to be halogenated.</p> <p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p> <p>CEMS = A CEMS is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel.</p>
B19G1D209	40 CFR Part 63, Subpart FFFF	63FFFF-03	<p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet 98% reduction per § 63.2455(a) - Table 1.1.a.i.</p> <p>Hal Device Type = A halogen scrubber following a combustion device.</p> <p>Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.985(b)(2).</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is used.</p> <p>Determined Hal = The emission stream is determined to be halogenated.</p> <p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p> <p>CEMS = A CEMS is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity of less than 44 MW and the vent stream is not introduced as or with the primary fuel.</p>
B19G1D209	40 CFR Part 63, Subpart G	63G-01	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p> <p>Overlap = Title 40 CFR Part 60, Subpart NNN</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>HAP Concentration = HAP concentration is greater than or equal to 50 ppm.</p> <p>TRE for Halogenated Vent Stream = The total resource effectiveness (TRE) index value is being calculated for a halogenated vent stream.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Flow Rate = Flow rate is greater than or equal to 0.005 scm/min or the owner or operator is not electing to demonstrate this flow rate.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p> <p>Performance Test = No previous performance test was conducted.</p>
B19G1D209	40 CFR Part 63, Subpart G	63G-02	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>HAP Concentration = HAP concentration is greater than or equal to 50 ppm.</p> <p>TRE for Halogenated Vent Stream = The total resource effectiveness (TRE) index value is being calculated for a halogenated vent stream.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Flow Rate = Flow rate is greater than or equal to 0.005 scm/min or the owner or operator is not electing to demonstrate this flow rate.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Performance Test = No previous performance test was conducted.
B19G1D209	40 CFR Part 63, Subpart G	63G-03	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p> <p>Overlap = Title 40 CFR Part 60, Subpart RRR</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>HAP Concentration = HAP concentration is greater than or equal to 50 ppm.</p> <p>TRE for Halogenated Vent Stream = The total resource effectiveness (TRE) index value is being calculated for a halogenated vent stream.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Flow Rate = Flow rate is greater than or equal to 0.005 scm/min or the owner or operator is not electing to demonstrate this flow rate.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p> <p>Performance Test = No previous performance test was conducted.</p>
B19G1D209	40 CFR Part 63, Subpart G	63G-04	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p> <p>Overlap = Title 40 CFR Part 60, Subpart RRR</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>HAP Concentration = HAP concentration is greater than or equal to 50 ppm.</p> <p>TRE for Halogenated Vent Stream = The total resource effectiveness (TRE) index value is being calculated for a halogenated vent stream.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Flow Rate = Flow rate is greater than or equal to 0.005 scm/min or the owner or operator is not electing to demonstrate this flow rate.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p> <p>Performance Test = No previous performance test was conducted.</p>
B19G1D209	40 CFR Part 63,	63G-05	Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or

Unit ID	Regulation	Index Number	Basis of Determination*
	Subpart G		<p>alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>HAP Concentration = HAP concentration is greater than or equal to 50 ppm.</p> <p>TRE for Halogenated Vent Stream = The total resource effectiveness (TRE) index value is being calculated for a halogenated vent stream.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Flow Rate = Flow rate is greater than or equal to 0.005 scm/min or the owner or operator is not electing to demonstrate this flow rate.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p> <p>Performance Test = No previous performance test was conducted.</p>
B19G1D209	40 CFR Part 63, Subpart G	63G-06	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p> <p>Overlap = Title 40 CFR Part 60, Subpart NNN</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>HAP Concentration = HAP concentration is greater than or equal to 50 ppm.</p> <p>TRE for Halogenated Vent Stream = The total resource effectiveness (TRE) index value is being calculated for a halogenated vent stream.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Flow Rate = Flow rate is greater than or equal to 0.005 scm/min or the owner or operator is not electing to demonstrate this flow rate.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p> <p>Performance Test = No previous performance test was conducted.</p>
B19G1D406A	40 CFR Part 63, Subpart G	63G-01	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Thermal hazardous waste incinerator meeting the requirement of 40 CFR § 63.116(b)(5).</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in Subpart G and either no process changes have been made, or the results reliably indicate compliance.</p>
B19G1D406A	40 CFR Part 63, Subpart G	63G-02	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater with a design heat input capacity of less than or equal to 44 MW.</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = On or after 12/31/92</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in Subpart G and either no process changes have been made, or the results reliably indicate compliance.</p>
B19G1D406A	40 CFR Part 63, Subpart G	63G-03	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p>
B19G1D894	40 CFR Part 63, Subpart G	63G-01	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Thermal hazardous waste incinerator meeting the requirement of 40 CFR § 63.116(b)(5).</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in Subpart G and either no process changes have been made, or the results reliably indicate compliance.</p>
B19G1D894	40 CFR Part 63, Subpart G	63G-02	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater with a design heat input capacity of less than or equal to 44 MW.</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = On of after 12/31/92</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in Subpart G and either no process changes have been made, or the results reliably indicate compliance.</p>
B19G1D894	40 CFR Part 63, Subpart G	63G-03	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p>
B19G1RX1	30 TAC Chapter 115, Vent Gas Controls	R5121-01	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream originates from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
B19G1RX2	30 TAC Chapter 115, Vent Gas Controls	R5121-01	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream originates from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
B23G2RX1	30 TAC Chapter 115, Vent Gas Controls	R5121-01	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream originates from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
B23G2RX3	40 CFR Part 63, Subpart G	63G-01	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Thermal hazardous waste incinerator meeting the requirement of 40 CFR § 63.116(b)(5).</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in Subpart G and either no process changes have been made, or the results reliably indicate compliance.</p>
B23G2RX3	40 CFR Part 63, Subpart G	63G-02	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater with a design heat input capacity of less than or equal to 44 MW.</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = On of after 12/31/92</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in Subpart G and either no process changes have been made, or the results reliably indicate compliance.</p>
B23G2RX3	40 CFR Part 63, Subpart G	63G-03	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>63.118.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = Prior to 12/31/92</p>
B68ALPRX3	30 TAC Chapter 115, Vent Gas Controls	R5121-01	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p>
B68ALRX1	30 TAC Chapter 115, Vent Gas Controls	R5121-01	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
B68ALRX1	30 TAC Chapter 115, Vent Gas Controls	R5121-02	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			distillation operation, as defined in 30 TAC § 115.10.
B68ALV2	30 TAC Chapter 115, Vent Gas Controls	R5121-01	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
B68ALV2	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet 98% reduction per § 63.2455(a) - Table 1.1.a.i.</p> <p>Hal Device Type = A halogen scrubber following a combustion device.</p> <p>Meets 63.988(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is used.</p> <p>Determined Hal = The emission stream is determined to be halogenated.</p> <p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p> <p>CEMS = A CEMS is used.</p> <p>SS Device Type = Incinerator other than a catalytic incinerator.</p>
B68ALV2	40 CFR Part 63, Subpart FFFF	63FFFF-02	<p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet 98% reduction per § 63.2455(a) - Table 1.1.a.i.</p> <p>Hal Device Type = A halogen scrubber following a combustion device.</p> <p>Meets 63.988(b)(2) = The control device meets criteria in § 63.985(b)(2).</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is used.</p> <p>Determined Hal = The emission stream is determined to be halogenated.</p> <p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p> <p>CEMS = A CEMS is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts (MW) or in which all vent streams are introduced with the primary fuel or are used as the primary fuel.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
B68ALV2	40 CFR Part 63, Subpart FFFF	63FFFF-03	<p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a non-flare CD is being used to meet 98% reduction per § 63.2455(a) - Table 1.1.a.i.</p> <p>Hal Device Type = A halogen scrubber following a combustion device.</p> <p>Meets 63.988(b)(2) = The control device does not meet the criteria in § 63.985(b)(2).</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is used.</p> <p>Determined Hal = The emission stream is determined to be halogenated.</p> <p>Alt 63SS Mon Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = Bypass line valves are secured in the closed position with a car-seal or lock-and-key configuration.</p> <p>CEMS = A CEMS is used.</p> <p>SS Device Type = Boiler or process heater with a design heat input capacity of less than 44 MW and the vent stream is not introduced as or with the primary fuel.</p>
B68ALV2	40 CFR Part 63, Subpart G	63G-01	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>HAP Concentration = HAP concentration is greater than or equal to 50 ppm.</p> <p>TRE for Halogenated Vent Stream = The total resource effectiveness (TRE) index value is being calculated for a halogenated vent stream.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Flow Rate = Flow rate is greater than or equal to 0.005 scm/min or the owner or operator is not electing to demonstrate this flow rate.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = On of after 12/31/92</p> <p>Performance Test = No previous performance test was conducted.</p>
B68ALV2	40 CFR Part 63, Subpart G	63G-02	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Boiler or process heater burning hazardous waste and meeting the requirements of 40 CFR § 63.116(b)(4)(i) or (ii).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Overlap = Title 40 CFR Part 60, Subpart NNN</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Halogenated = Vent stream is halogenated.</p> <p>HAP Concentration = HAP concentration is greater than or equal to 50 ppm.</p> <p>TRE for Halogenated Vent Stream = The total resource effectiveness (TRE) index value is being calculated for a halogenated vent stream.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Flow Rate = Flow rate is greater than or equal to 0.005 scm/min or the owner or operator is not electing to demonstrate this flow rate.</p> <p>Halogen Reduction Device = The vent stream exiting the combustion device is ducted to a scrubber before it is discharged to the atmosphere.</p> <p>Flow Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> <p>Installation Date = On of after 12/31/92</p> <p>Performance Test = No previous performance test was conducted.</p>
B68EPRX1	30 TAC Chapter 115, Vent Gas Controls	R5121-01	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
B68PRRX2	30 TAC Chapter 115, Vent Gas Controls	R5121-01	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
B68PRRX2	30 TAC Chapter 115, Vent Gas Controls	R5121-02	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
B23G2SC1	30 TAC Chapter 115, Degreasing Processes	R5412-01	<p>Solvent Degreasing Machine Type = Cold solvent cleaning machine.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested.</p> <p>Solvent Sprayed = A solvent is sprayed.</p> <p>Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Solvent Heated = The solvent is not heated to a temperature greater than 120° F.</p> <p>Parts Larger than Drainage = No cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine.</p> <p>Drainage Area = Area is greater than or equal to 16 square inches.</p> <p>Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.</p>
B68ALSC1	30 TAC Chapter 115, Degreasing Processes	R5412-01	<p>Solvent Degreasing Machine Type = Cold solvent cleaning machine.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested.</p> <p>Solvent Sprayed = A solvent is sprayed.</p> <p>Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit.</p> <p>Solvent Heated = The solvent is not heated to a temperature greater than 120° F.</p> <p>Parts Larger than Drainage = No cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine.</p> <p>Drainage Area = Area is greater than or equal to 16 square inches.</p> <p>Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.</p>
B23T830	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Flare.</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B23T840	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Flare.</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B23T845	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Flare.</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT402	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT402	40 CFR Part 60, Subpart NNN	60NNN-02	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
B68ALT402	40 CFR Part 60, Subpart NNN	60NNN-03	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Boiler or process heater design heat input capacity less than 44 MW (150 MMBtu/hr).</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT403	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT403	40 CFR Part 60, Subpart NNN	60NNN-02	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT403	40 CFR Part 60, Subpart NNN	60NNN-03	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Boiler or process heater design heat input capacity less than 44 MW (150 MMBtu/hr).</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT860	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT860	40 CFR Part 60, Subpart NNN	60NNN-02	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT860	40 CFR Part 60, Subpart NNN	60NNN-03	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.
B68ALT870	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT870	40 CFR Part 60, Subpart NNN	60NNN-02	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT870	40 CFR Part 60, Subpart NNN	60NNN-03	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT880	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.
B68ALT880	40 CFR Part 60, Subpart NNN	60NNN-02	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68ALT880	40 CFR Part 60, Subpart NNN	60NNN-03	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68DU560	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68DU560	40 CFR Part 60, Subpart NNN	60NNN-02	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.
B68DU560	40 CFR Part 60, Subpart NNN	60NNN-03	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68DU570	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68DU570	40 CFR Part 60, Subpart NNN	60NNN-02	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68DU570	40 CFR Part 60, Subpart NNN	60NNN-03	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
B68DU580	40 CFR Part 60, Subpart NNN	60NNN-01	<p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p> <p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68DU580	40 CFR Part 60, Subpart NNN	60NNN-02	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B68DU580	40 CFR Part 60, Subpart NNN	60NNN-03	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value greater than 8.0 from halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>Subpart NNN Control Device = Thermal incinerator.</p> <p>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p>
B23R907	40 CFR Part 60, Subpart RRR	60RRR-01	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Secondary Fuel = The vent stream is introduced with the primary fuel.</p> <p>Total Design Capacity = Total design capacity is 1 gigagram per year (1,100 tons per year) or greater.</p> <p>Bypass Line = There is a bypass line valve that could divert the vent stream around the control device and directly to the atmosphere.</p> <p>Construction/Modification Date = After June 29, 1990.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Vent Stream Flow Rate = Vent stream flow rate is 0.011 scm/min or greater, or value is not measured.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Bypass Line Valve Secured = The bypass line valve is secured in the closed position with a car-seal or a lock-and-key type configuration.</p> <p>TOC Exemption = No TOC concentration exemption.</p> <p>Control Device = Incinerator other than a catalytic incinerator used as the control device.</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is not routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN or has other releases to the air than from a pressure relief valve.</p> <p>TRE Index Value = TRE index value is less than or equal to 8.0 or a TRE index value is not calculated or claimed for exemption 40 CFR § 60.700(c)(2).</p> <p>TRE for Halogenated Vent Stream = TRE index value is being calculated for a halogenated vent stream.</p>
B23R907	40 CFR Part 60, Subpart RRR	60RRR-02	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Secondary Fuel = The vent stream is introduced with the primary fuel.</p> <p>Total Design Capacity = Total design capacity is 1 gigagram per year (1,100 tons per year) or greater.</p> <p>Bypass Line = There is a bypass line valve that could divert the vent stream around the control device and directly to the atmosphere.</p> <p>Construction/Modification Date = After June 29, 1990.</p> <p>Vent Stream Flow Rate = Vent stream flow rate is 0.011 scm/min or greater, or value is not measured.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Bypass Line Valve Secured = The bypass line valve is secured in the closed position with a car-seal or a lock-and-key type configuration.</p> <p>TOC Exemption = No TOC concentration exemption.</p> <p>Control Device = Boiler or process heater with design heat input less than 44 MW (150 MMBTU/hr).</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is not routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN or has other releases to the air than from a pressure relief valve.</p> <p>TRE Index Value = TRE index value is less than or equal to 8.0 or a TRE index value is not calculated or claimed for exemption 40 CFR § 60.700(c)(2).</p> <p>TRE for Halogenated Vent Stream = TRE index value is being calculated for a halogenated vent stream.</p>
B23R907	40 CFR Part 60, Subpart RRR	60RRR-03	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Secondary Fuel = The vent stream is introduced with the primary fuel.</p> <p>Total Design Capacity = Total design capacity is 1 gigagram per year (1,100 tons per year) or greater.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Bypass Line = There is a bypass line valve that could divert the vent stream around the control device and directly to the atmosphere.</p> <p>Construction/Modification Date = After June 29, 1990.</p> <p>Vent Stream Flow Rate = Vent stream flow rate is 0.011 scm/min or greater, or value is not measured.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Bypass Line Valve Secured = The bypass line valve is secured in the closed position with a car-seal or a lock-and-key type configuration.</p> <p>TOC Exemption = No TOC concentration exemption.</p> <p>Control Device = Boiler or process heater with design heat input less than 44 MW (150 MMBTU/hr).</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is not routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN or has other releases to the air than from a pressure relief valve.</p> <p>TRE Index Value = TRE index value is less than or equal to 8.0 or a TRE index value is not calculated or claimed for exemption 40 CFR § 60.700(c)(2).</p> <p>TRE for Halogenated Vent Stream = TRE index value is being calculated for a halogenated vent stream.</p>
B68ALR401	40 CFR Part 60, Subpart RRR	60RRR-01	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Construction/Modification Date = After June 29, 1990.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN and has no other releases to the air except for a pressure relief valve.</p>
B68ALR820	40 CFR Part 60, Subpart RRR	60RRR-01	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Total Design Capacity = Total design capacity is 1 gigagram per year (1,100 tons per year) or greater.</p> <p>Construction/Modification Date = After June 29, 1990.</p> <p>Vent Stream Flow Rate = Vent stream flow rate is 0.011 scm/min or greater, or value is not measured.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN and has no other releases to the air except for a pressure relief valve.</p>
B68ALR830	40 CFR Part 60, Subpart RRR	60RRR-01	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Total Design Capacity = Total design capacity is 1 gigagram per year (1,100 tons per year) or greater.</p> <p>Construction/Modification Date = After June 29, 1990.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Vent Stream Flow Rate = Vent stream flow rate is 0.011 scm/min or greater, or value is not measured.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN and has no other releases to the air except for a pressure relief valve.</p>
B68ALR840	40 CFR Part 60, Subpart RRR	60RRR-01	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Total Design Capacity = Total design capacity is 1 gigagram per year (1,100 tons per year) or greater.</p> <p>Construction/Modification Date = After June 29, 1990.</p> <p>Vent Stream Flow Rate = Vent stream flow rate is 0.011 scm/min or greater, or value is not measured.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN and has no other releases to the air except for a pressure relief valve.</p>
B68RX520	40 CFR Part 60, Subpart RRR	60RRR-01	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Total Design Capacity = Total design capacity is 1 gigagram per year (1,100 tons per year) or greater.</p> <p>Construction/Modification Date = After June 29, 1990.</p> <p>Vent Stream Flow Rate = Vent stream flow rate is 0.011 scm/min or greater, or value is not measured.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN and has no other releases to the air except for a pressure relief valve.</p>
B68RX530	40 CFR Part 60, Subpart RRR	60RRR-01	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Total Design Capacity = Total design capacity is 1 gigagram per year (1,100 tons per year) or greater.</p> <p>Construction/Modification Date = After June 29, 1990.</p> <p>Vent Stream Flow Rate = Vent stream flow rate is 0.011 scm/min or greater, or value is not measured.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN and has no other releases to the air except for a pressure relief valve.</p>
B68RX540	40 CFR Part 60, Subpart RRR	60RRR-01	<p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Total Design Capacity = Total design capacity is 1 gigagram per year (1,100 tons per year) or greater.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Construction/Modification Date = After June 29, 1990.</p> <p>Vent Stream Flow Rate = Vent stream flow rate is 0.011 scm/min or greater, or value is not measured.</p> <p>Affected Facility Type = Reactor process not discharging its vent stream into a recovery system.</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN and has no other releases to the air except for a pressure relief valve.</p>
B23G2SC1	30 TAC Chapter 115, Subchapter E, Division 6	R5460-01	Exemptions = The process or operation that the solvent cleaning operation is associated with is subject to another division of Chapter 115.
B68ALSC1	30 TAC Chapter 115, Subchapter E, Division 6	R5460-01	Exemptions = The process or operation that the solvent cleaning operation is associated with is subject to another division of Chapter 115.
PROB19B23	30 TAC Chapter 115, Subchapter E, Division 6	R5460-01	<p>Exemptions = No exemption is being met.</p> <p>Alternate Control Requirement = Alternate control not used.</p> <p>Compliance Demonstration = Limiting VOC content of the cleaning solution to 0.42 lb VOC/gal of solution, as applied.</p> <p>Minor Modification = Using the methods in §115.468(a)(1)-(3).</p>
PROB19B23	30 TAC Chapter 115, Subchapter E, Division 6	R5460-02	<p>Exemptions = No exemption is being met.</p> <p>Alternate Control Requirement = Alternate control not used.</p> <p>Compliance Demonstration = Limiting the composite partial vapor pressure of the cleaning solution to 8.0 millimeters of mercury at 20 degrees Celsius (68 degrees Fahrenheit).</p> <p>Minor Modification = Using the methods in §115.468(a)(1)-(3).</p>
PROB68	30 TAC Chapter 115, Subchapter E, Division 6	R5460-01	<p>Exemptions = No exemption is being met.</p> <p>Alternate Control Requirement = Alternate control not used.</p> <p>Compliance Demonstration = Limiting VOC content of the cleaning solution to 0.42 lb VOC/gal of solution, as applied.</p> <p>Minor Modification = Using the methods in §115.468(a)(1)-(3).</p>
PROB68	30 TAC Chapter 115, Subchapter E, Division 6	R5460-02	<p>Exemptions = No exemption is being met.</p> <p>Alternate Control Requirement = Alternate control not used.</p> <p>Compliance Demonstration = Limiting the composite partial vapor pressure of the cleaning solution to 8.0 millimeters of mercury at 20 degrees Celsius (68 degrees Fahrenheit).</p> <p>Minor Modification = Using the methods in §115.468(a)(1)-(3).</p>
B19G1T210	40 CFR Part 61, Subpart FF	61FF-01	<p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Benzene Removal = Benzene is destroyed in the waste stream by incinerating in an combustion unit with a destruction efficiency of 99% or greater for benzene.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p>
B70ALTO2	40 CFR Part 61, Subpart FF	61FF-01	<p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Benzene Removal = Benzene is destroyed in the waste stream by incinerating in an combustion unit with a destruction efficiency of 99% or greater for benzene.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p>
PROG1FF	40 CFR Part 61, Subpart FF	61FF-01	<p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>By-Pass Line = The closed-vent system contains a by-pass line that could divert the vent stream away from the control device.</p> <p>By-Pass Line Valve = A car-seal or lock and key configuration is used to secure the by-pass line valve in the closed position.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent.</p> <p>Openings = The treatment process or wastewater treatment system unit has openings.</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Benzene Removal = Benzene is destroyed in the waste stream by incinerating in an combustion unit with a destruction efficiency of 99% or greater for benzene.</p> <p>Engineering Calculations = Performance tests are used show that the control device achieves its emission limitation.</p> <p>Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p>
PROG1FF	40 CFR Part 61, Subpart FF	61FF-02	<p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>By-Pass Line = The closed-vent system contains a by-pass line that could divert the vent stream away from the control device.</p> <p>By-Pass Line Valve = A car-seal or lock and key configuration is used to secure the by-pass line valve in the closed position.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent.</p> <p>Openings = The treatment process or wastewater treatment system unit has openings.</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Benzene Removal = Benzene is destroyed in the waste stream by incinerating in an combustion unit with a destruction efficiency of 99% or greater for benzene.</p> <p>Engineering Calculations = Performance tests are used show that the control device achieves its emission limitation.</p> <p>Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p>
PROG1FF	40 CFR Part 61, Subpart FF	61FF-03	<p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>By-Pass Line = The closed-vent system contains a by-pass line that could divert the vent stream away from the control device.</p> <p>By-Pass Line Valve = A flow indicator monitors the flow into the by-pass line.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent.</p> <p>Openings = The treatment process or wastewater treatment system unit has openings.</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Benzene Removal = Benzene is destroyed in the waste stream by incinerating in an combustion unit with a destruction efficiency of 99% or greater for benzene.</p> <p>Engineering Calculations = Performance tests are used show that the control device achieves its emission limitation.</p> <p>Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>system and control device is used.</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p>
PROG1FF	40 CFR Part 61, Subpart FF	61FF-04	<p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>By-Pass Line = The closed-vent system contains a by-pass line that could divert the vent stream away from the control device.</p> <p>By-Pass Line Valve = A flow indicator monitors the flow into the by-pass line.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity less than 44 MW and with a reduction of organics being greater than or equal to 95 weight percent.</p> <p>Openings = The treatment process or wastewater treatment system unit has openings.</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Benzene Removal = Benzene is destroyed in the waste stream by incinerating in an combustion unit with a destruction efficiency of 99% or greater for benzene.</p> <p>Engineering Calculations = Performance tests are used show that the control device achieves its emission limitation.</p> <p>Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p>
PROALE	40 CFR Part 63, Subpart F	63F-01	<p>Applicable Chemicals = The chemical manufacturing process unit manufactures, as a primary product, one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or 40 CFR § 63.100(b)(1)(ii).</p> <p>Table 2 HAP = The chemical manufacturing process unit uses as a reactant or manufactures, as a product or co-product, one or more of the organic hazardous air pollutants in Table 2.</p> <p>Alternate Means of Emission Limitation = No alternative means of emission limitation has been approved by the EPA Administrator to achieve a reduction in organic HAP emission or no alternate has been requested.</p> <p>Heat Exchange System = A heat exchange system is utilized.</p> <p>Cooling Water Pressure = The heat exchange system is operated with the minimum pressure on the cooling water side at least 35 kilopascals greater than the maximum pressure on the process side.</p>
PROAPDC	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>>1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of 1,000 lb/yr or more.</p> <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>Reduction = Collective hydrogen halide and halogen HAP emissions are reduced by at least 99 percent by weight or to an outlet concentration of 20 ppmv or less by venting through one or more closed-vent systems to any combination of control devices.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>G2/<1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>Small Cd = A small control device (defined in § 63.2550) is not being used.</p> <p>Design Eval = Compliance with emission limits is being determined by performance test.</p> <p>Batch Process Vents = The source includes batch process vents.</p>
PROB19B23	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>>1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of 1,000 lb/yr or more.</p> <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>Reduction = Collective hydrogen halide and halogen HAP emissions are reduced by at least 99 percent by weight or to an outlet concentration of 20 ppmv or less by venting through one or more closed-vent systems to any combination of control devices.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>G2/<1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>Small Cd = A small control device (defined in § 63.2550) is not being used.</p> <p>Design Eval = Compliance with emission limits is being determined by performance test.</p> <p>Batch Process Vents = The source does not include batch process vents.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
PROB68	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>>1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of 1,000 lb/yr or more.</p> <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>Reduction = Collective hydrogen halide and halogen HAP emissions are reduced by at least 99 percent by weight or to an outlet concentration of 20 ppmv or less by venting through one or more closed-vent systems to any combination of control devices.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>G2/<1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>Small Cd = A small control device (defined in § 63.2550) is not being used.</p> <p>Design Eval = Compliance with emission limits is being determined by performance test.</p> <p>Batch Process Vents = The source does not include batch process vents.</p>
PROBO	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>>1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of 1,000 lb/yr or more.</p> <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>Reduction = Collective hydrogen halide and halogen HAP emissions are reduced by at least 99 percent by weight or to an outlet concentration of 20 ppmv or less by venting through one or more closed-vent systems to any combination of control devices.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>G2/<1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>Small Cd = A small control device (defined in § 63.2550) is not being used.</p> <p>Design Eval = Compliance with emission limits is being determined by performance test.</p> <p>Batch Process Vents = The source includes batch process vents.</p>
PROHYDRO	40 CFR Part 63, Subpart FFFF	63FFFF-01	<p>>1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of 1,000 lb/yr or more.</p> <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>Reduction = Collective hydrogen halide and halogen HAP emissions are reduced by at least 99 percent by weight or to an outlet concentration of 20 ppmv or less by venting through one or more closed-vent systems to any combination of control devices.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>G2/<1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>Small Cd = A small control device (defined in § 63.2550) is not being used.</p> <p>Design Eval = Compliance with emission limits is being determined by performance test.</p> <p>Batch Process Vents = The source includes batch process vents.</p>

* - The "unit attributes" or operating conditions that determine what requirements apply

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit(FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, Affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOP are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Outdated Standard Exemption lists may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

The status of air permits and applications and a link to the Air Permits Remote Document Server is located at the following Web site:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 104098	Issuance Date: 03/24/2016
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 12/24/1998
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 12/24/1998
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.373	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.474	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 51	Version No./Date: 10/04/1995
Number: 51	Version No./Date: 06/07/1996
Number: 83	Version No./Date: 07/20/1992
Number: 83	Version No./Date: 04/05/1995

Number: 83	Version No./Date: 10/04/1995
Number: 86	Version No./Date: 07/20/1992

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the “Maximum Allowable Emission Rate Table” or “MAERT for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit’s compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information	
ID No.: B23G2SC1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-01
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with §115.412(1)(A)-(F) shall be considered and reported as a deviation	
<p>Basis of monitoring: The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.</p>	

Unit/Group/Process Information	
ID No.: B23G2ST37	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-01
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: A combustion temperature \geq 1075 Degree C	
<p>Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for vapor combustors. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.</p>	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Unit/Group/Process Information	
ID No.: B23G2ST38	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-01
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: A combustion temperature \geq 1075 Degree C	
<p>Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for vapor combustors. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.</p>	

Unit/Group/Process Information	
ID No.: B23G2ST52	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-01
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Combustion Temperature >= 1075 Degree C	
<p>Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for vapor combustors. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.</p>	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Unit/Group/Process Information	
ID No.: B68ALSC1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-01
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with §115.412(1)(A)-(F) shall be considered and reported as a deviation	
<p>Basis of monitoring: The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.</p>	

Unit/Group/Process Information	
ID No.: B68ALST436	
Control Device ID No.: B33INS1	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: B34VMTO210	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: B70ALTO2	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-01
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: A combustion temperature \geq 1075 Degree C	
<p>Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.</p>	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Unit/Group/Process Information	
ID No.: B70ALST074	
Control Device ID No.: B33INS1	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: B34VMTO210	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Control Device ID No.: B70ALTO2	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-01
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: A combustion temperature ≥ 1075 Degrees C	
<p>Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.</p>	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Unit/Group/Process Information	
ID No.: B70ALST074	
Control Device ID No.: B70ALF1	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-02
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates the lack of pilot flame	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p>	

Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on March 22, 2016.

Site rating: 0.00 / High Company rating: 0.27 / Satisfactory

(High < 0.10; Satisfactory ≥ 0.10 and < 55; Unsatisfactory > 55)

2. Has the permit changed on the basis of the compliance history or site/company rating?No

Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA8 - Coal Preparation Plant Attributes
OP-UA9 - Nonmetallic Mineral Process Plant Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations Attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Metallic Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes

OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes