

Statement of Basis of the Federal Operating Permit

Blue Cube Operations LLC

Site Name: Blue Cube Operations
Area Name: Epoxy Products & FMTO
Physical Location: 2301 N Brazosport Blvd
Nearest City: Freeport
County: Brazoria

Permit Number: O2207
Project Type: Minor Revision

The North American Industry Classification System (NAICS) Code: 32519
NAICS Name: Other Basic Organic Chemical Manufacturing

This Statement of Basis sets forth the legal and factual basis for the draft changes to the permit conditions resulting from the minor revision project in accordance with 30 TAC §122.201(a)(4). The applicant has submitted an application for a minor permit revision per §§ 122.215-217. 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: March 9, 2026

Operating Permit Basis of Determination

Description of Revisions

- Incorporate the recent amendment to New Source Review (NSR) No. 3434 issued October 30, 2024, including updating the issuance date identified in the NSR Authorization Table in the permit;
- Update the preconstruction authorizations for several units; and
- Add new unit B62E2SV157 and its applicable requirements, including an instance of Periodic Monitoring.

Permit Area Process Description

Epoxy Products 1 Process Description

The B5200 Epoxy 1 department is made up of several different continuous and batch operating plants. Included in the manufacturing processes are eight distinct families of epoxy resins which comprise subsets of a variety of products for each family. The manufacturing processes of epoxy resin consist of Blend Epoxy Resins (Blends), Brominated Epoxy Resins (BER), Epoxy Curing Agents, Epoxy Polyglycols (EPG), Hi-Purity Epoxy Resins, Solid Epoxy Resins (SER), and Solutions Epoxy Resins (SSER). The processes contain several different raw materials including aliphatic glycidyl ethers, amines, bisphenol A, epichlorohydrin, epoxy resin, polyglycols, sodium carbonate, sodium hydroxide, and a variety of solvents added to select products. These raw materials are received primarily by pipeline and tank truck. The raw materials are stored in API storage tanks or pressure vessels.

Epoxy Products 2 Process Description

The B6200 Epoxy 2 plant manufactures Liquid Epoxy Resin (LER). The process consists of a series of reaction steps, and any excess of raw material is recovered for reuse. The LER process reaction steps are followed by subsequent wash steps to remove ionic chlorides formed as a by-product of the reaction. Subsequently, the washed material is sent through a series of finishing towers that remove solvent, water, and other impurities, before going to the product tanks. All equipment in epichlorohydrin service vent via a common header to an adsorber system to remove epichlorohydrin from the vent. The primary raw materials are epichlorohydrin, bisphenol, acetone, and sodium hydroxide. Water, catalyst and solvents are used in aiding the production. These raw materials are received primarily by pipeline, railcar, and tank truck. The raw materials are stored in API storage tanks, except acetone which is stored in a pressure vessel.

Epoxy Products 5 Process Description

The B3900 SPEN plant, in the first section of the process, a phenolic intermediate (Novolac) is produced by reacting phenol with an aldehyde. For the SPEN plant in the second section, the intermediate is later reacted with Epichlorohydrin in the presence of a base to produce the corresponding liquid epoxy Novolac (LEN) resin.

Unit III - Phenol / Acetone Plant Process Description

The Unit III Phenol Acetone plant uses a multi-step process to manufacture phenol and acetone. Included in the manufacturing steps are Oxidation /Cleavage, Distillation, Recovery, Waste Oil, Product Storage and Distribution. The primary raw materials for the process are cumene and air. Water, catalysts, acids, and sodium hydroxide are used in aiding the production. These raw materials are received by pipeline, barge, railcar and/or tank truck. The raw materials are stored in storage tanks or pressure tanks or are introduced directly into the process from the pipeline. Cumene reacts with air to form an intermediate that is cleaved to phenol, acetone, and impurities. The distillation section separates the two products, excess cumene, and impurities through a series of distillations. All impurities, also known as waste oils, are sent to the plant steam boilers and used as fuel to generate steam for the plant. The excess cumene is distilled, sent to the recovery section, and then recycled back into the process. Wastewater generated from this section is sent to Dow Chemical Company's on-site wastewater treatment plant. As in the distillation section, organic waste oils are sent to the same packaged steam boilers. Product is stored in API storage tanks. The product is shipped to customers via railcar, tank truck, ship, barge, and pipeline.

Freeport Marine Terminal Operations Process Description

The Freeport Marine Terminal Operations (FMTO) serves as a distribution function for Blue Cube's Operations. Tanks and vessels provide storage for Blue Cube products and raw materials. Products are transferred to and from marine vessels (ships and barges). The loading process generates emissions that are displaced from the ship, barge, or storage tanks and are vented to designated control devices.

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: O1388, O2202, O2204, O2208, O2214

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 |
|------------------|---|

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 an 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 is 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 an 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) 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 Requirements 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.

The applicant opted to comply with the more stringent 20% opacity standard under 30 TAC § 111.111(a)(1)(B) for all stationary vents that are subject to the 30% opacity standard under 30 TAC § 111.111(a)(1)(A).

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 |
| CSAPR (Cross-State Air Pollution Rule) | No |
| Federal Implementation Plan for Regional Haze (Texas SO ₂ Trading Program) | 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 and Emission Units

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:

De Minimis Sources

1. Sources identified in the "De Minimis Facilities or Sources" list maintained by TCEQ. The list is available at https://www.tceq.texas.gov/permitting/air/newsourcereview/de_minimis.html.

Miscellaneous Sources

2. Office activities such as photocopying, blueprint copying, and photographic processes.
3. Outdoor barbecue pits, campfires, and fireplaces.
4. Storage and handling of sealed portable containers, cylinders, or sealed drums.

5. Vehicle exhaust from maintenance or repair shops.
6. 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).
7. 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.
8. 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.
9. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
10. Well cellars.
11. 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.
12. Equipment used exclusively for the melting or application of wax.
13. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
14. Battery recharging areas.

Sources Authorized by 30 TAC Chapter 106, Permits by Rule

15. Sources authorized by §106.102: Combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil.
16. Sources authorized by §106.122: 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.
17. Sources authorized by §106.141: Batch mixers with rated capacity of 27 cubic feet or less for mixing cement, sand, aggregate, lime, gypsum, additives, and/or water to produce concrete, grout, stucco, mortar, or other similar products.
18. Sources authorized by §106.143: Wet sand and gravel production facilities that obtain material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and have a production rate of 500 tons per hour or less.
19. Sources authorized by §106.148: Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations.
20. Sources authorized by §106.149: Sand and gravel production facilities that obtain material from deposits of sand and gravel consisting of natural disintegration of rock and stone, provided that crushing or breaking operations are not used and no blasting is conducted to obtain the material.
21. Sources authorized by §106.161: Animal feeding operations which confine animals in numbers specified and any associated on-site feed handling and/or feed millings operations, not including caged laying and caged pullet operations.
22. Sources authorized by §106.162: Livestock auction sales facilities.
23. Sources authorized by §106.163: All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities, other than incineration units.
24. Sources authorized by §106.229: Equipment used exclusively for the dyeing or stripping of textiles.
25. Sources authorized by §106.241: Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration.
26. Sources authorized by §106.242: Equipment used in eating establishments for the purpose of preparing food for human consumption.
27. Sources authorized by §106.243: Smokehouses in which the maximum horizontal inside cross-sectional area does not exceed 100 square feet.
28. Sources authorized by §106.244: Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption.
29. Sources authorized by §106.266: Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes.
30. Sources authorized by §106.301: Aqueous fertilizer storage tanks.

31. Sources authorized by §106.313: 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.
32. Sources authorized by §106.316: Equipment used for inspection of metal products.
33. Sources authorized by §106.317: Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
34. Sources authorized by §106.318: Die casting machines.
35. Sources authorized by §106.319: Foundry sand mold forming equipment to which no heat is applied.
36. Sources authorized by §106.331: Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets.
37. Sources authorized by §106.333: Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives.
38. Sources authorized by §106.372: 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.
39. Sources authorized by §106.391: Presses used for the curing of rubber products and plastic products.
40. Sources authorized by §106.394: Equipment used for compression molding and injection molding of plastics.
41. Sources authorized by §106.414: Equipment used exclusively for the packaging of lubricants or greases.
42. Sources authorized by §106.415: Laundry dryers, extractors, and tumblers used for fabrics cleaned with water solutions of bleach or detergents.
43. Sources authorized by §106.431: Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in paste form.
44. Sources authorized by §106.432: Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents.
45. Sources authorized by §106.451: Blast cleaning equipment using a suspension of abrasives in water.
46. Sources authorized by §106.453: Equipment used for washing or drying products fabricated from metal or glass, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
47. Sources authorized by §106.471: Equipment used exclusively to store or hold dry natural gas.
48. Sources authorized by §106.531: Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities.

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* |
|------------|-------------------------------------|--------------|---|
| OC3U3GE1A | 30 TAC Chapter 117, Subchapter B | R7ICI-01 | Type of Service = Used exclusively in emergency situations Fuel Fired = Petroleum-based diesel fuel |
| OC3U3GE1A | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-01 | HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii). Stationary RICE Type = Compression ignition engine |
| A30FPST002 | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| A30FPST003 | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| A30FPST005 | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| A30FPST501 | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-------------------------------------|--------------|---|
| A40ST20 | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| A40ST22 | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| A42U3ST26B | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| A42U3ST26B | 40 CFR Part 63, Subpart G | 63G-01 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. |
| B39SNWT57A | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B39SNWT57A | 40 CFR Part 60, Subpart Kb | 60KB-01 | Product Stored = Waste mixture of indeterminate or variable composition Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-------------------------------------|--------------|--|
| B52CRST104 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B52CRST104 | 40 CFR Part 60, Subpart Kb | 60Kb-01 | <p>Product Stored = Waste mixture of indeterminate or variable composition</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p> |
| B52CRST107 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST150 | 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>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>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>Control Device Type = Carbon adsorption system</p> |
| B52CRST150 | 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 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters)</p> <p>WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-------------------------------------|--------------|--|
| B52CRST151 | 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>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>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>Control Device Type = Carbon adsorption system</p> |
| B52CRST151 | 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 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters)</p> <p>WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia</p> |
| B52CRST152 | 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>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>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>Control Device Type = Carbon adsorption system</p> |
| B52CRST152 | 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 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters)</p> <p>WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia</p> |
| B52CRST153 | 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>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>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>Control Device Type = Carbon adsorption system</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-------------|-------------------------------------|--------------|---|
| B52CRST153 | 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 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters)</p> <p>WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia</p> |
| B52CRST301A | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST301B | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST323 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST324 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST350 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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* |
|------------|-------------------------------------|--------------|--|
| B52CRST351 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B52CRST352 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B52CRST355 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST356 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST357 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST357 | 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 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-------------------------------------|--------------|---|
| B52CRST358 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST358 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia</p> |
| B52CRST360 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B52CRST361 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B52CRST362 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B52CRST37 | 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>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>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* |
|------------|-------------------------------------|--------------|--|
| B52CRST37 | 40 CFR Part 60, Subpart Kb | 60Kb-01 | Product Stored = Waste mixture of indeterminate or variable composition Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia |
| B52CRST38A | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST38A | 40 CFR Part 60, Subpart Kb | 60Kb-01 | Product Stored = Waste mixture of indeterminate or variable composition Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia |
| B52CRST38B | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST38B | 40 CFR Part 60, Subpart Kb | 60Kb-01 | Product Stored = Waste mixture of indeterminate or variable composition Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia |
| B52CRST401 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-------------------------------------|--------------|---|
| B52CRST500 | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST500 | 40 CFR Part 60, Subpart Kb | 60Kb-01 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| B52CRST502 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST503 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST504 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST613 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-------------------------------------|--------------|---|
| B52CRST613 | 40 CFR Part 60, Subpart Kb | 60KB-01 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) |
| B52CRST700 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST711 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST711 | 40 CFR Part 60, Subpart Kb | 60Kb-01 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) |
| B52CRST715 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST716 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52CRST716 | 40 CFR Part 60, Subpart Kb | 60Kb-01 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-------------------------------------|--------------|--|
| B52CRST718 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST727 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST740 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST741 | 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>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>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>Control Device Type = Carbon adsorption system</p> |
| B52CRST742 | 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>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>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* |
|------------|-------------------------------------|--------------|---|
| B52CRST743 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST744 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST745 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52CRST866 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52SNST402 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B52SNST402 | 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 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-------------|-------------------------------------|--------------|---|
| B52SNST450A | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52SNST450A | 40 CFR Part 60, Subpart Kb | 60Kb-01 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| B52SNST450B | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52SNST450B | 40 CFR Part 60, Subpart Kb | 60Kb-01 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| B52SNST451 | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| B52SNST451 | 40 CFR Part 60, Subpart Kb | 60Kb-01 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia |
| B62E2ST101 | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-------------------------------------|--------------|--|
| B62E2ST195 | 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>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>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |
| B62E2ST209 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B62E2ST260 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B62E2ST261 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B62E2ST265 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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* |
|------------|-------------------------------------|--------------|--|
| B62E2ST266 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B62E2ST29A | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B62E2ST29A | 40 CFR Part 60, Subpart Kb | 60KB-01 | <p>Product Stored = Waste mixture of indeterminate or variable composition</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p> |
| B62E2ST29B | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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> |
| B62E2ST29B | 40 CFR Part 60, Subpart Kb | 60KB-01 | <p>Product Stored = Waste mixture of indeterminate or variable composition</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p> |
| OC3ST57A | 40 CFR Part 63, Subpart G | 63G-01 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> |
| OC3U3ST25 | 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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</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* |
|------------|-------------------------------------|--------------|---|
| OC3U3ST555 | 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. 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 Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| OC3U3ST555 | 40 CFR Part 60, Subpart Kb | 60KB-01 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) |
| OC9U3ST49B | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| OC9U3ST49B | 40 CFR Part 63, Subpart G | 63G-01 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. |
| OC9U3ST49C | 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. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| OC9U3ST49C | 40 CFR Part 63, Subpart G | 63G-01 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|--|--------------|---|
| A16MRBL301 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b).</p> <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 = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = No control device.</p> <p>Marine Terminal Exemptions = The marine terminal is not claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> |
| A16MRBL301 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-02 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.</p> <p>Marine Terminal Exemptions = The marine terminal is claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> |
| A16MRBL301 | 40 CFR Part 63, Subpart Y | 63Y-01 | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Material Loaded = Material other than crude oil or gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Source Emissions = Source with emissions less than 10 and 25 tons.</p> |
| A22MRBL22 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(d).</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|--|--------------|---|
| A22MRBL22 | 40 CFR Part 63, Subpart Y | 63Y-01 | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Material Loaded = Material other than crude oil or gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Source Emissions = Source with emissions less than 10 and 25 tons.</p> |
| A22MRLRPSA | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <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 greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Vapor control system with a carbon adsorption system.</p> <p>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |
| A22MRML22 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <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 less than 0.5 psia.</p> <p>Marine Terminal Exemptions = The marine terminal is claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|--|--------------|---|
| A22MRML22 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-02 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(d).</p> <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 = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = No control device.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> <p>Marine Terminal Exemptions = The marine terminal is not claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> |
| A22MRML22 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-03 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only unloading.</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 = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Marine Terminal Exemptions = The marine terminal is claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> <p>VOC Flash Point = Flash point less than 150° F.</p> <p>Uncontrolled VOC Emissions = Uncontrolled VOC emissions are greater than or equal to 100 tpy.</p> |
| A22MRML22 | 40 CFR Part 63, Subpart Y | 63Y-01 | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Material Loaded = Material other than crude oil or gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Source Emissions = Source with emissions less than 10 and 25 tons.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|----------|--|--------------|--|
| A28FPLR3 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p> |
| A28FPLR3 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-02 | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b).</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</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 = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |
| A30MRBL8 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(d).</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p> |
| A30MRBL8 | 40 CFR Part 63, Subpart Y | 63Y-01 | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Material Loaded = Material other than crude oil or gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Source Emissions = Source with emissions less than 10 and 25 tons.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|--|--------------|---|
| A30MRML801 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <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 less than 0.5 psia.</p> <p>Marine Terminal Exemptions = The marine terminal is claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> |
| A30MRML801 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-02 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(d).</p> <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 = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = No control device.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> <p>Marine Terminal Exemptions = The marine terminal is not claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> |
| A30MRML801 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-03 | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p> <p>Marine Terminal Exemptions = The marine terminal is claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|--|--------------|--|
| A30MRML801 | 40 CFR Part 63, Subpart Y | 63Y-01 | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Material Loaded = Material other than crude oil or gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Source Emissions = Source with emissions less than 10 and 25 tons.</p> |
| B52CRLR1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p> |
| B52CRLR2 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b).</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</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 = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |
| B62E2LR1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <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 less than 0.5 psia.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|--|--------------|---|
| B62E2LR2 | 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. |
| B62E2LR3 | 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. |
| B62E2LR4 | 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. |
| B62E2LR5 | 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. |
| OC9U3LRRR | 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. |
| OC9U3LRRR | 40 CFR Part 63, Subpart G | 63G-01 | Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111). Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|--|--------------|--|
| OC9U3LRTRK | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-01 | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <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 less than 0.5 psia.</p> |
| OC9U3LRTRK | 40 CFR Part 63, Subpart G | 63G-01 | <p>Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB.</p> |
| OC3U3B901 | 30 TAC Chapter 117, Subchapter B | R7ICI-01 | <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 100 MMBtu/hr but less than 200 MMBtu/hr.</p> <p>RACT Date Placed in Service = On or before November 15, 1992.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Renewable non-fossil fuel gas other than landfill gas.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on rolling 12-month average.</p> <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>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>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.</p> <p>NOx Reductions = Water or steam injection.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</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.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
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| OC3U3B901 | 30 TAC Chapter 117, Subchapter B | R7ICI-02 | <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 100 MMBtu/hr but less than 200 MMBtu/hr.</p> <p>RACT Date Placed in Service = On or before November 15, 1992.</p> <p>Fuel Type #1 = Liquid fuel</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on rolling 12-month average.</p> <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>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>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.</p> <p>NOx Reductions = Water or steam injection.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</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.</p> |
| OC3U3B901 | 40 CFR Part 63, Subpart EEE | 63EEE-01 | <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>Area Source = The boiler is a major source as defined under §63.2.</p> <p>Dioxin/Furan Standard = Complying with the CO standard in § 63.1217(a)(1)(ii) or (b)(1)(ii).</p> <p>Heating Value = The hazardous waste as-fired heating value is less than 10,000 Btu/lb.</p> <p>Hg Feedrate = Feedrate levels are established as 12-hour rolling average limit for Hg.</p> <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>Met Feedrate = Feedrate levels are established as 12-hour rolling average limit for semivolatile and low volatile metals.</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-Listed = The boiler does not burn the dioxin-listed hazardous wastes F020, F021, F022, F023, F026, or F027.</p> <p>DRE Previous Test = DRE testing during the comprehensive initial performance testing is used to document conformance with the DRE standard.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|----------------------------------|--------------|--|
| OC3U3B901 | 40 CFR Part 63, Subpart EEE | 63EEE-02 | <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>Area Source = The boiler is a major source as defined under §63.2.</p> <p>Dioxin/Furan Standard = Complying with the CO standard in § 63.1217(a)(1)(ii) or (b)(1)(ii).</p> <p>Heating Value = The hazardous waste as-fired heating value is 10,000 Btu/lb or greater.</p> <p>Hg Feedrate = Feedrate levels are established as 12-hour rolling average limit for Hg.</p> <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>Met Feedrate = Feedrate levels are established as 12-hour rolling average limit for semivolatile and low volatile metals.</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-Listed = The boiler does not burn the dioxin-listed hazardous wastes F020, F021, F022, F023, F026, or F027.</p> <p>DRE Previous Test = DRE testing during the comprehensive initial performance testing is used to document conformance with the DRE standard.</p> |
| OC3U3B902 | 30 TAC Chapter 117, Subchapter B | R7ICI-01 | <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 100 MMBtu/hr but less than 200 MMBtu/hr.</p> <p>RACT Date Placed in Service = On or before November 15, 1992.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Renewable non-fossil fuel gas other than landfill gas.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on rolling 12-month average.</p> <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>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>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.</p> <p>NOx Reductions = Water or steam injection.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</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.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
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| OC3U3B902 | 30 TAC Chapter 117, Subchapter B | R7ICI-02 | <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 100 MMBtu/hr but less than 200 MMBtu/hr.</p> <p>RACT Date Placed in Service = On or before November 15, 1992.</p> <p>Fuel Type #1 = Liquid fuel</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on rolling 12-month average.</p> <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>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>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.</p> <p>NOx Reductions = Water or steam injection.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</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.</p> |
| OC3U3B902 | 40 CFR Part 63, Subpart EEE | 63EEE-01 | <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>Area Source = The boiler is a major source as defined under §63.2.</p> <p>Dioxin/Furan Standard = Complying with the CO standard in § 63.1217(a)(1)(ii) or (b)(1)(ii).</p> <p>Heating Value = The hazardous waste as-fired heating value is less than 10,000 Btu/lb.</p> <p>Hg Feedrate = Feedrate levels are established as 12-hour rolling average limit for Hg.</p> <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>Met Feedrate = Feedrate levels are established as 12-hour rolling average limit for semivolatile and low volatile metals.</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-Listed = The boiler does not burn the dioxin-listed hazardous wastes F020, F021, F022, F023, F026, or F027.</p> <p>DRE Previous Test = DRE testing during the comprehensive initial performance testing is used to document conformance with the DRE standard.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|----------------------------------|--------------|--|
| OC3U3B902 | 40 CFR Part 63, Subpart EEE | 63EEE-02 | <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>Area Source = The boiler is a major source as defined under §63.2.</p> <p>Dioxin/Furan Standard = Complying with the CO standard in § 63.1217(a)(1)(ii) or (b)(1)(ii).</p> <p>Heating Value = The hazardous waste as-fired heating value is 10,000 Btu/lb or greater.</p> <p>Hg Feedrate = Feedrate levels are established as 12-hour rolling average limit for Hg.</p> <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>Met Feedrate = Feedrate levels are established as 12-hour rolling average limit for semivolatile and low volatile metals.</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-Listed = The boiler does not burn the dioxin-listed hazardous wastes F020, F021, F022, F023, F026, or F027.</p> <p>DRE Previous Test = DRE testing during the comprehensive initial performance testing is used to document conformance with the DRE standard.</p> |
| OC3U3B903 | 30 TAC Chapter 117, Subchapter B | R7ICI-01 | <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 100 MMBtu/hr but less than 200 MMBtu/hr.</p> <p>RACT Date Placed in Service = On or before November 15, 1992.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Renewable non-fossil fuel gas other than landfill gas.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on rolling 12-month average.</p> <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>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>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.</p> <p>NOx Reductions = Water or steam injection.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</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.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|----------------------------------|--------------|--|
| OC3U3B903 | 30 TAC Chapter 117, Subchapter B | R7ICI-02 | <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 100 MMBtu/hr but less than 200 MMBtu/hr.</p> <p>RACT Date Placed in Service = On or before November 15, 1992.</p> <p>Fuel Type #1 = Liquid fuel</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on rolling 12-month average.</p> <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>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>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.</p> <p>NOx Reductions = Water or steam injection.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</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.</p> |
| OC3U3B903 | 40 CFR Part 63, Subpart EEE | 63EEE-01 | <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>Area Source = The boiler is a major source as defined under §63.2.</p> <p>Dioxin/Furan Standard = Complying with the CO standard in § 63.1217(a)(1)(ii) or (b)(1)(ii).</p> <p>Heating Value = The hazardous waste as-fired heating value is less than 10,000 Btu/lb.</p> <p>Hg Feedrate = Feedrate levels are established as 12-hour rolling average limit for Hg.</p> <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>Met Feedrate = Feedrate levels are established as 12-hour rolling average limit for semivolatile and low volatile metals.</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-Listed = The boiler does not burn the dioxin-listed hazardous wastes F020, F021, F022, F023, F026, or F027.</p> <p>DRE Previous Test = DRE testing during the comprehensive initial performance testing is used to document conformance with the DRE standard.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|---------------------------------------|--------------|--|
| OC3U3B903 | 40 CFR Part 63, Subpart EEE | 63EEE-02 | <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>Area Source = The boiler is a major source as defined under §63.2.</p> <p>Dioxin/Furan Standard = Complying with the CO standard in § 63.1217(a)(1)(ii) or (b)(1)(ii).</p> <p>Heating Value = The hazardous waste as-fired heating value is 10,000 Btu/lb or greater.</p> <p>Hg Feedrate = Feedrate levels are established as 12-hour rolling average limit for Hg.</p> <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>Met Feedrate = Feedrate levels are established as 12-hour rolling average limit for semivolatile and low volatile metals.</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-Listed = The boiler does not burn the dioxin-listed hazardous wastes F020, F021, F022, F023, F026, or F027.</p> <p>DRE Previous Test = DRE testing during the comprehensive initial performance testing is used to document conformance with the DRE standard.</p> |
| A22FS22 | 30 TAC Chapter 111, Visible Emissions | R1111-01 | <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 under conditions other than emergency or upset conditions.</p> |
| A40FS400 | 30 TAC Chapter 111, Visible Emissions | R1111-01 | <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 under conditions other than emergency or upset conditions.</p> |
| OC3U3F1 | 30 TAC Chapter 111, Visible Emissions | R1111-01 | <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 under conditions other than emergency or upset conditions.</p> |
| OC3U3F1 | 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)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Non-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p> |
| OC3U3F1 | 40 CFR Part 63, Subpart A | 63A-01 | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Non-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p> |
| A42U3FU26 | 40 CFR Part 63, Subpart H | 63H-ALL | <p>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 alternate control or control device.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
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| B52CRFU1 | 40 CFR Part 63, Subpart FFFF | 63FFFF-01 | Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit. |
| B62E2FU1 | 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. |
| B62E2FU1 | 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 alternate control or control device. |
| B62E2FU10 | 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. |
| B62E2FU10 | 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 alternate control or control device. |
| B62E2FU2 | 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. |
| B62E2FU2 | 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 alternate control or control device. |
| B62E2FU3 | 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. |
| B62E2FU3 | 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 alternate control or control device. |
| B62E2FU8 | 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. |
| B62E2FU8 | 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 alternate control or control device. |
| B62E3FU3 | 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. |
| B62E3FU3 | 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 alternate control or control device. |
| OC3U3FU1 | 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. |
| OC3U3FU1 | 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 alternate control or control device. |
| OC9U3FU1 | 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. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|--|--------------|--|
| OC9U3FU1 | 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 alternate control or control device. |
| OC9U3FU2 | 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. |
| OC9U3FU2 | 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 alternate control or control device. |
| OC9U3FU3 | 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. |
| OC9U3FU3 | 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 alternate control or control device. |
| B52CRCT1 | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-01 | Cooling Tower Heat Exchange System Exemptions = Each individual heat exchanger of the cooling tower heat exchange system does not have greater than 100 ppmw HRVOCs in the process side fluid. |
| B52CRCV1 | 40 CFR Part 63, Subpart FFFF | 63FFFF-01 | Monitoring = The cooling water is being monitored for the presence of HAPs or other representative substances that would indicate a leak. |
| B62E2CT301 | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-01 | Cooling Tower Heat Exchange System Exemptions = Each individual heat exchanger of the cooling tower heat exchange system does not have greater than 100 ppmw HRVOCs in the process side fluid. |
| OC3U3CT201 | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-01 | Cooling Tower Heat Exchange System Exemptions = Each individual heat exchanger of the cooling tower heat exchange system does not have greater than 100 ppmw HRVOCs in the process side fluid. |
| B52SP755 | 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. |
| B62SP151 | 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 = Carbon adsorption system. |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|--------------------------------------|--------------|--|
| B62SP151 | 40 CFR Part 63, Subpart G | 63G-01 | <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>Control Requirement = CLOSED VENT SYSTEM THAT ROUTES VAPORS TO A CONTROL DEVICE THAT MEETS THE REQUIREMENTS OF 40 CFR § 63.139(C)</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.148</p> <p>Bypass Lines = NO BYPASS LINE</p> <p>Combination of Control Devices = VENT STREAM IS NOT TREATED USING A COMBINATION OF CONTROL DEVICES</p> <p>Control Device Type = SCRUBBER</p> <p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Performance Test = Performance tests are not being conducted using the test methods and procedures specified in 40 CFR § 63.145(i)</p> <p>Monitoring Options = CONTROL DEVICE IS USING AN ORGANIC MONITORING DEVICE AS ALLOWED UNDER § 63.143(E)(2)</p> <p>Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13</p> |
| B62SP226 | 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 = Carbon adsorption system.</p> |
| B62SP227 | 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 = Carbon adsorption system.</p> |
| B62SP229A | 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 = Carbon adsorption system.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|--------------------------------------|--------------|---|
| B62SP232 | 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 = 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.</p> |
| B62SP236 | 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 = Carbon adsorption system.</p> |
| B62SP251 | 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 = Carbon adsorption system.</p> |
| B62SP252 | 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 = Carbon adsorption system.</p> |
| OC3U3ST400 | 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 = 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.</p> |
| OC3U3ST66A | 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 = 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.</p> |
| OC3U3ST66B | 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 = 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.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|---------------------------------------|--------------|---|
| B52CRRX3 | 30 TAC Chapter 115, Vent Gas Controls | R5121-01 | <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>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |
| B52CRRX3 | 40 CFR Part 63, Subpart FFFF | 63FFFF-01 | <p>Comb Device = No combustion control device is being used.</p> <p>Perf Test = A performance test is conducted.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> |
| B52CRRX701 | 40 CFR Part 63, Subpart FFFF | 63FFFF-01 | <p>Comb Device = No combustion control device is being used.</p> <p>Perf Test = A performance test is conducted.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> |
| B52CRST355 | 40 CFR Part 63, Subpart FFFF | 63FFFF-01 | <p>Comb Device = No combustion control device is being used.</p> <p>Perf Test = A performance test is conducted.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> |
| B52VH700 | 30 TAC Chapter 115, Vent Gas Controls | R5121-01 | <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>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|---------------------------------------|--------------|---|
| B62E2SV157 | 30 TAC Chapter 115, Vent Gas Controls | R5121-01 | <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>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>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> |
| B62E2SV157 | 40 CFR Part 63, Subpart G | 63G-01 | <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent is a Group 2 process vent.</p> <p>HAP Concentration = HAP concentration is not needed to determine applicability.</p> <p>Flow Rate = Flow rate is not needed to determine applicability.</p> <p>Electing Control = Not electing to control the process vent to the levels required in 40 CFR § 63.113(a)(1) or (a)(2).</p> <p>MACT TRE Index Value = TRE index value is greater than 4.0 as calculated using the procedures of 40 CFR § 63.115(d).</p> <p>Halogenated = Vent stream is not halogenated.</p> <p>Performance Test = No previous performance test was conducted.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> |
| B62KP291 | 30 TAC Chapter 115, Vent Gas Controls | R5121-01 | <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>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Carbon adsorption system that replaces the carbon at a predetermined time interval.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|----------|---------------------------------------|--------------|---|
| B62SV201 | 30 TAC Chapter 115, Vent Gas Controls | R5121-01 | <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>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |
| B62SV203 | 30 TAC Chapter 115, Vent Gas Controls | R5121-01 | <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>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |
| OC3DU40 | 40 CFR Part 63, Subpart G | 63G-01 | <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent is a Group 2 process vent.</p> <p>HAP Concentration = HAP concentration is not needed to determine applicability.</p> <p>Flow Rate = Flow rate is less than 0.005 scm/min.</p> <p>Electing Control = Not electing to control the process vent to the levels required in 40 CFR § 63.113(a)(1) or (a)(2).</p> |
| OC3SCS8 | 30 TAC Chapter 115, Vent Gas Controls | R5121-01 | <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>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <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> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|---------------------------------------|--------------|--|
| OC3SCS8 | 40 CFR Part 63, Subpart G | 63G-01 | <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>Electing Control = Electing to control the process vent to the levels required in 40 CFR § 63.113(a)(2) without calculating the TRE index value</p> <p>Control Device = Catalytic incinerator.</p> <p>Halogenated = Vent stream is not halogenated.</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> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</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 Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> |
| OC3U3ST15 | 40 CFR Part 63, Subpart G | 63G-01 | <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent is a Group 2 process vent.</p> <p>HAP Concentration = HAP concentration is not needed to determine applicability.</p> <p>Flow Rate = Flow rate is less than 0.005 scm/min.</p> <p>Electing Control = Not electing to control the process vent to the levels required in 40 CFR § 63.113(a)(1) or (a)(2).</p> |
| OC3U3ST20 | 30 TAC Chapter 115, Vent Gas Controls | R5121-01 | <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>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |
| OC3U3ST3 | 40 CFR Part 63, Subpart G | 63G-01 | <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent is a Group 2 process vent.</p> <p>HAP Concentration = HAP concentration is not needed to determine applicability.</p> <p>Flow Rate = Flow rate is less than 0.005 scm/min.</p> <p>Electing Control = Not electing to control the process vent to the levels required in 40 CFR § 63.113(a)(1) or (a)(2).</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|---------------------------------------|--------------|---|
| OC3VH100 | 30 TAC Chapter 115, Vent Gas Controls | R5121-01 | <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>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p> |
| OC3VH100 | 40 CFR Part 63, Subpart G | 63G-01 | <p>Overlap = Title 40 CFR Part 61, Subpart F</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Electing Control = Electing to control the process vent to the levels required in 40 CFR § 63.113(a)(1) without calculating the TRE index value.</p> <p>Control Device = Flare</p> <p>Halogenated = Vent stream is not halogenated.</p> <p>Performance Test = No previous performance test was conducted.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</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 Indicator = By-pass line valve is secured with a car-seal or lock-and-key type configuration.</p> |
| OC3VJ45AB | 40 CFR Part 63, Subpart G | 63G-01 | <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent is a Group 2 process vent.</p> <p>HAP Concentration = HAP concentration is not needed to determine applicability.</p> <p>Flow Rate = Flow rate is not needed to determine applicability.</p> <p>Electing Control = Not electing to control the process vent to the levels required in 40 CFR § 63.113(a)(1) or (a)(2).</p> <p>MACT TRE Index Value = TRE index value is greater than 4.0 as calculated using the procedures of 40 CFR § 63.115(d).</p> |
| OC3VP1 | 40 CFR Part 63, Subpart G | 63G-01 | <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent is a Group 2 process vent.</p> <p>HAP Concentration = HAP concentration is not needed to determine applicability.</p> <p>Flow Rate = Flow rate is not needed to determine applicability.</p> <p>Electing Control = Not electing to control the process vent to the levels required in 40 CFR § 63.113(a)(1) or (a)(2).</p> <p>MACT TRE Index Value = TRE index value is greater than 4.0 as calculated using the procedures of 40 CFR § 63.115(d).</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|--|--------------|--|
| B52CRSC12 | 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 degrees Fahrenheit</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> |
| B62E2SC215 | 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 = No 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 degrees Fahrenheit</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> |
| OC3U3SC300 | 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 degrees Fahrenheit</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> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|----------|-----------------------------|--------------|---|
| B62DU101 | 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>Construction/Modification Date = After December 30, 1983.</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> <p>Total Resource Effectiveness = TRE index value greater than 8.0 not from a halogenated vent stream.</p> <p>Subpart NNN Control Device = Absorber.</p> <p>Organic Monitoring Device = An organic monitoring device is used to demonstrate compliance with the TRE index value limit specified under § 60.662(c).</p> |
| B62DU102 | 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>Construction/Modification Date = After December 30, 1983.</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> <p>Total Resource Effectiveness = TRE index value greater than 8.0 not from a halogenated vent stream.</p> <p>Subpart NNN Control Device = Absorber.</p> <p>Organic Monitoring Device = An organic monitoring device is used to demonstrate compliance with the TRE index value limit specified under § 60.662(c).</p> |
| B62DU103 | 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>Construction/Modification Date = After December 30, 1983.</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> <p>Total Resource Effectiveness = TRE index value greater than 8.0 not from a halogenated vent stream.</p> <p>Subpart NNN Control Device = Absorber.</p> <p>Organic Monitoring Device = An organic monitoring device is used to demonstrate compliance with the TRE index value limit specified under § 60.662(c).</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|-----------|-----------------------------|--------------|---|
| B62DU111A | 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>Construction/Modification Date = After December 30, 1983.</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> <p>Total Resource Effectiveness = TRE index value greater than 8.0 not from a halogenated vent stream.</p> <p>Subpart NNN Control Device = Absorber.</p> <p>Organic Monitoring Device = An organic monitoring device is used to demonstrate compliance with the TRE index value limit specified under § 60.662(c).</p> |
| B62DU114 | 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>Construction/Modification Date = After December 30, 1983.</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> <p>Total Resource Effectiveness = TRE index value greater than 8.0 not from a halogenated vent stream.</p> <p>Subpart NNN Control Device = Absorber.</p> <p>Organic Monitoring Device = An organic monitoring device is used to demonstrate compliance with the TRE index value limit specified under § 60.662(c).</p> |
| B62DU151 | 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>Construction/Modification Date = After December 30, 1983.</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> <p>Total Resource Effectiveness = TRE index value greater than 8.0 not from a halogenated vent stream.</p> <p>Subpart NNN Control Device = Absorber.</p> <p>Organic Monitoring Device = An organic monitoring device is used to demonstrate compliance with the TRE index value limit specified under § 60.662(c).</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-----------------------------|--------------|---|
| B62DU152 | 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>Construction/Modification Date = After December 30, 1983.</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> <p>Total Resource Effectiveness = TRE index value greater than 8.0 not from a halogenated vent stream.</p> <p>Subpart NNN Control Device = Absorber.</p> <p>Organic Monitoring Device = An organic monitoring device is used to demonstrate compliance with the TRE index value limit specified under § 60.662(c).</p> |
| PROB62EPXY | 40 CFR Part 63, Subpart W | 63W-01 | <p>Research and Development = The facility is not a research and development facility.</p> <p>Facility Type = Manufacturer of basic liquid epoxy resins.</p> <p>Existing Source = The facility is an existing source built before March 8, 1995.</p> <p>HAP Emissions = At least one of the uncontrolled emission points is emitting more than 1 lb/yr of hazardous air pollutants.</p> <p>Control Technique = Water scrubber.</p> |
| PROB62EPXY | 40 CFR Part 63, Subpart W | 63W-02 | <p>Research and Development = The facility is not a research and development facility.</p> <p>Facility Type = Manufacturer of basic liquid epoxy resins.</p> <p>Existing Source = The facility is an existing source built before March 8, 1995.</p> <p>HAP Emissions = At least one of the uncontrolled emission points is emitting more than 1 lb/yr of hazardous air pollutants.</p> <p>Control Technique = Water scrubber.</p> |
| PROB62EPXY | 40 CFR Part 63, Subpart W | 63W-03 | <p>Research and Development = The facility is not a research and development facility.</p> <p>Facility Type = Manufacturer of basic liquid epoxy resins.</p> <p>Existing Source = The facility is an existing source built before March 8, 1995.</p> <p>HAP Emissions = At least one of the uncontrolled emission points is emitting more than 1 lb/yr of hazardous air pollutants.</p> <p>Control Technique = Water scrubber.</p> |
| PROB62EPXY | 40 CFR Part 63, Subpart W | 63W-04 | <p>Research and Development = The facility is not a research and development facility.</p> <p>Facility Type = Manufacturer of basic liquid epoxy resins.</p> <p>Existing Source = The facility is an existing source built before March 8, 1995.</p> <p>HAP Emissions = At least one of the uncontrolled emission points is emitting more than 1 lb/yr of hazardous air pollutants.</p> <p>Control Technique = Using a carbon adsorber or monitoring uncontrolled process vents.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|--|--------------|---|
| B52CRSC12 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5460-01 | Exemption = The solvent cleaning operation is subject to another division of Chapter 115 and VOC emissions are controlled in accordance with that division. |
| B62E2SC215 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5460-01 | Exemption = The solvent cleaning operation is subject to another division of Chapter 115 and VOC emissions are controlled in accordance with that division. |
| OC3U3SC300 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5460-01 | Exemption = The solvent cleaning operation is subject to another division of Chapter 115 and VOC emissions are controlled in accordance with that division. |
| PROE1 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5460-01 | Exemption = The operation, process, or equipment is one which is specified in 115.461(d)(1)-(17). |
| PROE2 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5460-01 | Exemption = The operation, process, or equipment is one which is specified in 115.461(d)(1)-(17). |
| PROMARINE | 30 TAC Chapter 115, Subchapter E, Division 6 | R5460-1 | Exemption = No exemption is being met. Alternate Control Requirement = Alternate control not used. Compliance Demonstration = Limiting VOC content of the cleaning solution to 0.42 lb VOC/gal of solution, as applied. Minor Modification = Modifications to the methods in §115.465(1)-(3) have not been approved by the TCEQ Executive Director |
| PROMARINE | 30 TAC Chapter 115, Subchapter E, Division 6 | R5460-2 | Exemption = No exemption is being met. Alternate Control Requirement = Alternate control not used. 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). Minor Modification = Modifications to the methods in §115.465(1)-(3) have not been approved by the TCEQ Executive Director |
| PROPAU3 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5460-01 | Exemption = No exemption is being met. Alternate Control Requirement = Alternate control not used. Compliance Demonstration = Limiting VOC content of the cleaning solution to 0.42 lb VOC/gal of solution, as applied. Minor Modification = Modifications to the methods in §115.465(1)-(3) have not been approved by the TCEQ Executive Director |
| PROPAU3 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5460-02 | Exemption = No exemption is being met. Alternate Control Requirement = Alternate control not used. 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). Minor Modification = Modifications to the methods in §115.465(1)-(3) have not been approved by the TCEQ Executive Director |
| B52BERS | 30 TAC Chapter 115, Batch Processes | R5161-01 | Batch Process Annual Emission = The batch process train has total annual mass emissions from all combined vents at or lower than the levels specified in 30 TAC § 115.167(2)(A). |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|------------|-------------------------------------|--------------|--|
| B52CRRX3 | 30 TAC Chapter 115, Batch Processes | R5161-01 | <p>Batch Process Annual Emission = The batch process train has total annual mass emissions from all combined vents greater than the levels specified in 30 TAC § 115.167(2)(A).</p> <p>Single Unit Annual Mass Emissions = All single unit operations in the batch process operation have total annual mass emissions greater than 500 lbs/yr.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate control requirement demonstrating and documenting compliance or no alternate requirement has been requested.</p> <p>Aggregate Flow Rate = The actual average flow rate from the batch process vent streams, in aggregate, is below the calculated flow rate using the applicable RACT equation.</p> <p>Control Device = Carbon adsorption system.</p> |
| B52CRRX600 | 40 CFR Part 63, Subpart FFFF | 63FFFF-01 | <p>Designated Grp1 = The emission stream is not designated as Group 1.</p> <p>Determined Grp1 = The emission stream is determined to be Group 1.</p> <p>Vent Emission Control = Reduce collective organic HAP emissions from the sum of all batch process vents within the process by 98% by weight or more by venting emissions from a sufficient number of the vents to any combination of non-flare control devices per Table 2.1.a.</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</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>CEMS = A CEMS is not used.</p> <p>SS Device Type = Absorber.</p> <p>Water = The scrubbing liquid is water.</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>HAL Device Type = No halogen scrubber or other halogen reduction device is used.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested.</p> <p>Formaldehyde = The stream does not contain formaldehyde.</p> <p>Negative Pressure = The closed vent system is operated and maintained at 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> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|----------|------------------------------|--------------|--|
| B52RX700 | 40 CFR Part 63, Subpart FFFF | 63FFFF-01 | <p>Designated Grp1 = The emission stream is not designated as Group 1.</p> <p>Determined Grp1 = The emission stream is determined to be Group 1.</p> <p>Vent Emission Control = Reduce collective organic HAP emissions from the sum of all batch process vents within the process by 98% by weight or more by venting emissions from a sufficient number of the vents to any combination of non-flare control devices per Table 2.1.a.</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</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>CEMS = A CEMS is not used.</p> <p>SS Device Type = Absorber.</p> <p>Water = The scrubbing liquid is water.</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>HAL Device Type = No halogen scrubber or other halogen reduction device is used.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested.</p> <p>Formaldehyde = The stream does not contain formaldehyde.</p> <p>Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|----------|-------------------------------------|--------------|--|
| B52RX702 | 40 CFR Part 63, Subpart FFFF | 63FFFF-01 | <p>Designated Grp1 = The emission stream is not designated as Group 1.</p> <p>Determined Grp1 = The emission stream is determined to be Group 1.</p> <p>Vent Emission Control = Reduce collective organic HAP emissions from the sum of all batch process vents within the process by 98% by weight or more by venting emissions from a sufficient number of the vents to any combination of non-flare control devices per Table 2.1.a.</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</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>CEMS = A CEMS is not used.</p> <p>SS Device Type = Absorber.</p> <p>Water = The scrubbing liquid is water.</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>HAL Device Type = No halogen scrubber or other halogen reduction device is used.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested.</p> <p>Formaldehyde = The stream does not contain formaldehyde.</p> <p>Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> |
| B52VH600 | 30 TAC Chapter 115, Batch Processes | R5161-01 | <p>Batch Process Annual Emission = The batch process train has total annual mass emissions from all combined vents greater than the levels specified in 30 TAC § 115.167(2)(A).</p> <p>Single Unit Annual Mass Emissions = All single unit operations in the batch process operation have total annual mass emissions greater than 500 lbs/yr.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate control requirement demonstrating and documenting compliance or no alternate requirement has been requested.</p> <p>Aggregate Flow Rate = The actual average flow rate from the batch process vent streams, in aggregate, is below the calculated flow rate using the applicable RACT equation.</p> <p>Control Device = Absorber.</p> |
| B52VH700 | 30 TAC Chapter 115, Batch Processes | R5161-01 | <p>Batch Process Annual Emission = The batch process train has total annual mass emissions from all combined vents greater than the levels specified in 30 TAC § 115.167(2)(A).</p> <p>Single Unit Annual Mass Emissions = Some single unit operations in the batch process operation have total annual mass emissions of 500 lbs/yr or less, some single unit operations have total annual mass emissions greater than 500 lbs/yr.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate control requirement demonstrating and documenting compliance or no alternate requirement has been requested.</p> <p>Aggregate Flow Rate = The actual average flow rate from the batch process vent streams, in aggregate, is below the calculated flow rate using the applicable RACT equation.</p> <p>Control Device = Absorber.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* |
|---------|------------------------------|--------------|---|
| PROE1 | 40 CFR Part 63, Subpart FFFF | 63FFFF-01 | <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>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</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 2003 = The affected source startup was before November 10, 2003.</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>PUG = The MCPU is not part of a process unit group (PUG).</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>>1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source includes batch process vents.</p> |
| PROPAU3 | 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 not operated with the minimum pressure on the cooling water side at least 35 kilopascals greater than the maximum pressure on the process side.</p> <p>Intervening Cooling Fluid = There is no intervening cooling fluid containing less than 5 percent by weight of total HAPs listed in Table 4 of 40 CFR Part 63, Subpart F, between the process and cooling water.</p> <p>Table 4 HAP Content = The recirculating heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 4 of title 40 CFR Part 63, Subpart F.</p> <p>NPDES Permit = The once-through heat exchange system is not subject to NPDES permit with an allowable discharge limit of 1 part per million or less above influent concentration or 10 percent or less above influent concentration.</p> <p>Meets 40 CFR 63.104(a)(4)(i)-(iv) = The once-through heat exchange system is not subject to an NPDES permit that meets 40 CFR § 63.104(a)(4)(i) - (iv).</p> <p>Table 9 HAP Content = The once-through heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 9 of 40 CFR Part 63, Subpart G.</p> <p>Cooling Water Monitored = The cooling water is being monitored for the presence of one or more HAPs or other representative substances whose presence in cooling water indicates a leak.</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 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. | FOPs 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. In addition, many of the permits are accessible online through the link provided below. 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. Permit by Rule (PBR) registrations submitted by permittees are also available online through the link provided below. The following table specifies the PBRs that apply to the site.

The status of air permits, applications, and PBR registrations may be found by performing the appropriate search of the databases located at the following website:

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

Details on how to search the databases are available in the **Obtaining Permit Documents** section below.

New Source Review Authorization References

| 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.: 3434 | Issuance Date: 10/30/2024 |
| Authorization No.: 5340 | Issuance Date: 02/17/2023 |
| Authorization No.: 19720 | Issuance Date: 12/17/2020 |
| Authorization No.: 48892 | Issuance Date: 09/13/2018 |
| Authorization No.: 80624 | Issuance Date: 09/20/2016 |
| Authorization No.: 104092 | Issuance Date: 12/18/2023 |
| Authorization No.: 104152 | Issuance Date: 10/28/2020 |
| Authorization No.: 143689 | Issuance Date: 06/18/2019 |
| Authorization No.: 151059 | Issuance Date: 04/25/2018 |
| Permits by Rule (30 TAC Chapter 106) for the Application Area | |
| Number: 106.261 | Version No./Date: 11/01/2003 |
| 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: 106.371 | Version No./Date: 09/04/2000 |
| Number: 106.373 | 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: 106.473 | Version No./Date: 09/04/2000 |

Permits by Rule

The TCEQ has interpreted the emission limits prescribed in 30 TAC §106.4(a) as both emission thresholds and default emission limits. The emission limits in 30 TAC §106.4(a) are all considered applicable to each facility as a threshold matter to ensure that the owner/operator qualifies for the PBR authorization. Those same emission limits are also the default emission limits if the specific PBR does not further limit emissions or there is no lower, certified emission limit claimed by the owner/operator.

This interpretation is consistent with how TCEQ has historically determined compliance with the emission limits prior to the addition of the “as applicable” language. The “as applicable” language was added in 2014 as part of changes to the sentence structure in a rulemaking that made other changes to address greenhouse gases and was not intended as a substantive rule change. This interpretation also provides for effective and practical enforcement of 30 TAC §106.4(a), since for the TCEQ to effectively enforce the emission limits in 30 TAC §106.4(a) as emission thresholds, all emission limits must apply. As provided by 30 TAC §106.4(a)(2) and (3), an owner/operator shall not claim a PBR authorization if

the facility is subject to major New Source Review. The practical and legal effect of the language in 30 TAC § 106.4 is that if a facility does not emit a pollutant, then the potential to emit for that particular pollutant is zero, and thus, the facility is not authorized to emit the pollutant pursuant to the PBR.

The permit holder is required to keep records for demonstrating compliance with PBRs in accordance with 30 TAC § 106.8 for the following categories:

- As stated in 30 TAC § 106.8(a), the permit holder is not required to keep records for de minimis sources as designated in 30 TAC § 116.119.
- As stated in 30 TAC § 106.8(b) for PBRs on the insignificant activities list, the permit holder is required to provide information that would demonstrate compliance with the general requirements of 30 TAC § 106.4.
- As stated in 30 TAC § 106.8(c) for all other PBRs, the permit holder must maintain sufficient records to demonstrate compliance with the general requirements specified in 30 TAC § 106.4 and to demonstrate compliance with the emission limits and any specific conditions of the PBR as applicable.

The application, or a previously submitted application, contains a PBR Supplemental Table. This table provides supplemental information for all PBR authorizations at the site or application area, including PBRs that are not listed on the OP-REQ1 form. PBRs that are not listed on the OP-REQ1 form authorize emission units that the TCEQ has determined are insignificant sources of emissions (IEUs). PBRs are enforceable through permit condition number 22. The EPA gives States broad discretion in prescribing monitoring, recordkeeping, and reporting for generally applicable requirements that cover insignificant emission units. (see EPA *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*). Federal regulations specifically identify recordkeeping as an appropriate level of monitoring necessary to assure compliance with the requirements applicable to an emissions unit. Permitting authorities have the best sense of where it is appropriate to conclude that periodic monitoring is not necessary for IEUs, when state program rules already provide sufficient monitoring for these units.

In the case of IEUs in particular, the recordkeeping in 30 TAC §106.8 is sufficient because the units do not have the potential to violate emission limitations or other requirements under normal operating conditions. In particular, where the establishment of a regular program of monitoring would not significantly enhance the ability of the permit to assure compliance with the applicable requirement, the permitting authority can provide that the applicable requirement has monitoring sufficient to yield reliable data that is representative of the emission unit's compliance with the limitations. Therefore, for IEUs compliance with 30 TAC §106.8 is sufficient to meet federal monitoring requirements.

The PBR records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, or parametric monitoring. The PBR records also satisfy the federal operating permit periodic monitoring requirements of 30 TAC § 122.142(c) as they are representative of the emission unit's compliance with 30 TAC Chapter 106.

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.: B52CRSC12 | |
| 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: It shall be considered a deviation if any monitoring data indicates that the cold cleaner is not in compliance with 115.412(1)(A)-(F). | |
| Basis of monitoring: Maintaining monthly records of the cold solvent cleaner equipment inspections is an effective way to ensure that the system is operating in accordance with its design. | |

| Unit/Group/Process Information | |
|--|-----------------------------------|
| ID No.: B52VH700 | |
| Control Device ID No.: B52CRSV700 | Control Device Type: Wet scrubber |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-01 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| Monitoring Information | |
| Indicator: Liquid Flow Rate | |
| Minimum Frequency: once per week | |
| Averaging Period: N/A | |
| Deviation Limit: Liquid flow rate shall be no less than 120 gallons per hour. | |
| Basis of monitoring: The option to monitor the liquid flow rate, liquid supply pressure, or the liquid flow rate and gas flow rate are provided as monitoring options because monitoring these parameters can indicate malfunctions in the liquid pumping equipment, blockage of pipes or spray nozzles. | |

| Unit/Group/Process Information | |
|--|-----------------------------------|
| ID No.: B52VH700 | |
| Control Device ID No.: B52CRSV700 | Control Device Type: Wet scrubber |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-01 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| Monitoring Information | |
| Indicator: Liquid Inlet Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: N/A | |
| Deviation Limit: Liquid Flow Inlet Temperature: 60 degrees Celsius | |
| Basis of monitoring: Historical data, recent performance tests, manufacturer's recommendations, and/or engineering calculations have shown that measuring the liquid flow inlet temperature using a thermocouple is monitored because the inlet liquid temperature is an indicator of the absorber performance of the gas solubility into the scrubbing media. | |

| Unit/Group/Process Information | |
|--|-----------------------------|
| ID No.: B62E2SC215 | |
| 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: It shall be considered a deviation if any monitoring data indicates that the cold cleaner is not in compliance with 115.412(1)(A)-(F). | |
| Basis of monitoring: Maintaining monthly records of the cold solvent cleaner equipment inspections is an effective way to ensure that the system is operating in accordance with its design. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: B62E2SV157 | |
| Control Device ID No.: B62SV157 | Control Device Type: Absorber (direct absorption) |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-01 |
| Pollutant: VOC | Main Standard: § 115.122(a)(2) |
| Monitoring Information | |
| Indicator: Liquid Flow Rate and Gas Flow Rate | |
| Minimum Frequency: once per week | |
| Averaging Period: N/A | |
| Deviation Limit: Any monitoring data below the 66.0 L/G limit shall be considered and reported as a deviation. | |
| Basis of monitoring: The option to monitor the liquid flow rate, liquid supply pressure, and the liquid flow rate and gas flow rate are provided as monitoring options because monitoring these parameters can indicate malfunctions in the liquid pumping equipment, blockage of pipes or spray nozzles. | |

| Unit/Group/Process Information | |
|--|-----------------------------|
| ID No.: OC3U3SC300 | |
| 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: It shall be considered a deviation if any monitoring data indicates that the cold cleaner is not in compliance with 115.412(1)(A)-(F). | |
| Basis of monitoring: Maintaining monthly records of the cold solvent cleaner equipment inspections is an effective way to ensure that the system is operating in accordance with its design. | |

Obtaining Permit Documents

The New Source Review Authorization References table in the FOP specifies all NSR authorizations that apply at the permit area covered by the FOP. Individual NSR permitting files are located in the TCEQ Central File Room (TCEQ Main Campus located at 12100 Park 35 Circle, Austin, Texas, 78753, Building E, Room 103). They can also be obtained electronically from TCEQ's Central File Room Online (<https://www.tceq.texas.gov/goto/cfr-online>). Guidance documents that describe how to search electronic records, including Permits by Rule (PBRs) or NSR permits incorporated by reference into an FOP, archived in the Central File Room server are available at https://www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

All current PBRs are contained in Chapter 106 and can be viewed at the following website:

https://www.tceq.texas.gov/permitting/air/permitbyrule/air_pbr_index.html

Previous versions of 30 TAC Chapter 106 PBRs may be viewed at the following website:

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

Historical Standard Exemption lists may be viewed at the following website:

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

Additional information concerning PBRs is available on the TCEQ website:

https://www.tceq.texas.gov/permitting/air/nav/air_pbr.html

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-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 - 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
OP-UA64 - Coal Preparation Plant Attributes