

Statement of Basis of the Federal Operating Permit

Kaneka North America LLC

Site/Area Name: Kaneka Modifiers/Utilities Production Division

Physical location: 6161 Underwood Rd

Nearest City: Pasadena

County: Harris

Permit Number: O1152

Project Type: Minor Revision

Standard Industrial Classification (SIC) Code: 2821

SIC Name: Plastics Materials

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.

Revised on: December 15, 2014

Operating Permit Basis of Determination

Description of Revisions

The minor revision incorporates MACT JJJ applicability for storage tanks T-130 and T-140 and 30 TAC Chapter 115 (HRVOC for Cooling Towers) for Z-2753. The revision also deletes 30 TAC Chapter 115 (HRVOC for Cooling Towers) and from MACT JJJ applicability from Z-2753B since rule requirements don't apply to recirculating systems used to cool process fluids that contain < 5% HRVOC, by weight. Compliance schedule was removed.

Permit Area Process Description

Kaneka manufactures impact modifier, Kane Ace B, for the plastics industry. The plant also manufactures expanded polyolefins and Eperan.

The modifier production is divided into the following five stages: raw material storage, rubber and resin polymerization, after treatment, product packaging and storage, and utility system. Raw material is delivered by truck and metered to reactors as needed. Batch emulsions reactions take place in reactors to produce resin latex. During after-treatment, the resin latex is converted into a resin powder by coagulation, heat-treatment, and drying. The dried powder is pneumatically conveyed to a bagging area where it is bagged and stored until transported by truck. The plant utilities consist of steam boilers, process water treatment, and wastewater handling facilities.

The Eperan Process Units are batch processes in which polyolefin pellets, an organic raw material, and additives are combined to form an expanded polyolefin bead. The materials are pressurized in a mixing vessel to allow the organic raw material to impregnate the beads. The impregnated polyolefin pellets are discharged through an orifice where the pressure is released, resulting in the foaming of the beads. The remainder of the process is designed to recover organic raw material, then dry, store, and load the expanded polyolefin beads for shipment to customers.

The individual process steps associated with Eperan 1 & 2 are: Mixing and Dehydration, Raw Material Removal and Product Drying, Storage and Bagging, Raw Material Recovery, Wastewater Utilities.

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: O2800, O3392, O3394, O3528

Major Source Pollutants

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

Major Pollutants	VOC, NOX, HAPS
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Reading State of Texas's Federal Operating Permit

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

adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

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

- General Terms and Conditions
- Special Terms and Conditions
 - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
 - Additional Monitoring Requirements
 - New Source Review Authorization Requirements
 - Compliance Requirements
 - Protection of Stratosphere Ozone
 - Permit Location
 - Permit Shield (30 TAC § 122.148)
- Attachments
 - Applicable Requirements Summary
 - Unit Summary
 - Applicable Requirements Summary
 - Additional Monitoring Requirements
 - Permit Shield
 - New Source Review Authorization References
 - Compliance Plan
 - Alternative Requirements
- Appendix A
 - Acronym list

General Terms and Conditions

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

Special Terms and Conditions

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

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

Attachments

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

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

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

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

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

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

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

Appendix A

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

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

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

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

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

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

Federal Regulatory Applicability Determinations

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

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	No
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	No
40 CFR Part 63 - NESHAPs for Source Categories	Yes

Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CAIR (Clean Air Interstate Rule)	No

Insignificant Activities

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

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

24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

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

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

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

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

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

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions.

The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
P-79901-B	30 TAC Chapter 117, Subchapter B	R7ICI	Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average	
P-79901-B	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-01	Brake HP = Stationary RICE with a brake hp greater than or equal to 250 hp and less than 300 hp. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Stationary RICE Type = Compression ignition engine	
P-79901-C	30 TAC Chapter 117, Subchapter B	R7ICI	Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average	
P-79901-C	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-02	Brake HP = Stationary RICE with a brake hp greater than or equal to 250 hp and less than 300 hp. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Stationary RICE Type = Compression ignition engine	
SBG-001	30 TAC Chapter 117, Subchapter B	R7ICI	Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)] Fuel Fired = Petroleum-based diesel fuel	
T-121	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons	
T-130	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
T-130	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Construction/Modification Date = Source is an existing source that commenced construction, reconstruction, or modification on or prior to March 29, 1995.</p> <p>Vessel Type = Storage vessel or tank.</p> <p>Group 1 Vessel = The unit is a Group 2 vessel as defined in 40 CFR § 63.1312.</p> <p>Thermoplastic Product = TPPU produces alpha methyl styrene acrylonitrile resin (AMSAN).</p> <p>Alternative Means of Control = The vessel does not use an alternative means of control.</p> <p>Maximum HAP TVP = Maximum TVP of the total organic hazardous air pollutants in the liquid is less than 11.11 psi (76.6 kPa).</p> <p>Emission Control Type = Emissions controlled using a vapor balancing system under 40 CFR § 63.119(g).</p>	
T-140	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>	
T-140	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = CVS and control device other than a flare (fixed roof)</p>	
T-140	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Construction/Modification Date = Source is an existing source that commenced construction, reconstruction, or modification on or prior to March 29, 1995.</p> <p>Vessel Type = Storage vessel or tank.</p> <p>Group 1 Vessel = The unit is a Group 2 vessel as defined in 40 CFR § 63.1312.</p> <p>Thermoplastic Product = TPPU produces a thermoplastic other than styrene acrylonitrile (SAN), acrylonitrile styrene acrylate (ASA) or alpha methyl styrene acrylonitrile (AMSAN) resins.</p> <p>Alternative Means of Control = The vessel does not use an alternative means of control.</p> <p>Maximum HAP TVP = Maximum TVP of the total organic hazardous air pollutants in the liquid is less than 11.11 psi (76.6 kPa).</p> <p>Emission Control Type = Emissions controlled using a vapor balancing system under 40 CFR § 63.119(g).</p>	
T-150	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
T-2121	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>	
T-2130	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p>	
T-121	30 TAC Chapter 115, Loading and Unloading of VOC	R5211	<p>Chapter 115 Control Device Type = No control device.</p> <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>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</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)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor balance system.</p>	
T-130	30 TAC Chapter 115, Loading and Unloading of VOC	R5211	<p>Chapter 115 Control Device Type = No control device.</p> <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>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</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)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor balance system.</p>	Manually developed MACT FFFF applicability from applicant provided attributes using flowcharts since logic had not been developed.
T-130	40 CFR Part 63, Subpart FFFF	63FFFF	Existing Source = Storage vessel contains equipment in an existing Miscellaneous Chemical Processing Unit	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
T-140	30 TAC Chapter 115, Loading and Unloading of VOC	R5211	<p>Chapter 115 Control Device Type = No control device.</p> <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>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</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)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor balance system.</p>	
T-140	40 CFR Part 63, Subpart FFFF	63FFFF	Existing Source = Storage vessel contains equipment in an existing Miscellaneous Chemical Processing Unit	Manually developed MACT FFFF applicability from applicant provided attributes using flowcharts since logic had not been developed.
T-150	30 TAC Chapter 115, Loading and Unloading of VOC	R5211	<p>Chapter 115 Control Device Type = No control device.</p> <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>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</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)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor balance system.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
T-2121	30 TAC Chapter 115, Loading and Unloading of VOC	R5211	<p>Chapter 115 Control Device Type = No control device.</p> <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>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</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)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor balance system.</p>	
T-2130	30 TAC Chapter 115, Loading and Unloading of VOC	R5211	<p>Chapter 115 Control Device Type = No control device.</p> <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>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</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)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor balance system.</p>	
V-3336	30 TAC Chapter 115, Loading and Unloading of VOC	R5211	<p>Chapter 115 Control Device Type = No control device.</p> <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>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</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)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor balance system.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-1780	30 TAC Chapter 117, Subchapter B	R117-001	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 40 MMBtu/hr but less than 100 MMBtu/hr.</p> <p>NOx Monitoring System = Maximum emission rate testing.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Monitored by method other than CEMS or PEMS.</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NOx Emission Limit Average = Emission limit in parts per million by volume (ppmv).</p> <p>NOx Reductions = Induced flue gas recirculation.</p> <p>Annual Heat Input = Annual heat input is greater than 2.8(10¹¹) Btu/yr, based on rolling 12-month average.</p>	
Z-1780	40 CFR Part 60, Subpart Dc	60DC	<p>Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ Inlet Monitoring Type = No SO₂ monitoring.</p> <p>Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ Outlet Monitoring Type = No SO₂ monitoring.</p> <p>Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).</p> <p>D-Series Fuel Type = Natural gas.</p> <p>ACF Option - SO₂ = Other ACF or no ACF.</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-3780	30 TAC Chapter 117, Subchapter B	R117-001	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 40 MMBtu/hr but less than 100 MMBtu/hr.</p> <p>NOx Monitoring System = Maximum emission rate testing.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Monitored by method other than CEMS or PEMS.</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NOx Emission Limit Average = Emission limit in parts per million by volume (ppmv).</p> <p>NOx Reductions = Induced flue gas recirculation.</p> <p>Annual Heat Input = Annual heat input is greater than 2.8(10¹¹) Btu/yr, based on rolling 12-month average.</p>	
Z-3780	40 CFR Part 60, Subpart Dc	60DC	<p>Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ Inlet Monitoring Type = No SO₂ monitoring.</p> <p>Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ Outlet Monitoring Type = No SO₂ monitoring.</p> <p>Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).</p> <p>D-Series Fuel Type = Natural gas.</p> <p>ACF Option - SO₂ = Other ACF or no ACF.</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-4780	30 TAC Chapter 117, Subchapter B	R117-001	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 40 MMBtu/hr but less than 100 MMBtu/hr.</p> <p>NOx Monitoring System = Maximum emission rate testing.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Monitored by method other than CEMS or PEMS.</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NOx Emission Limit Average = Emission limit in parts per million by volume (ppmv).</p> <p>NOx Reductions = Induced flue gas recirculation.</p> <p>Annual Heat Input = Annual heat input is greater than $2.8(10^{11})$ Btu/yr, based on rolling 12-month average.</p>	
Z-4780	40 CFR Part 60, Subpart Dc	60DC	<p>Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ Inlet Monitoring Type = No SO₂ monitoring.</p> <p>Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ Outlet Monitoring Type = No SO₂ monitoring.</p> <p>Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).</p> <p>D-Series Fuel Type = Natural gas.</p> <p>ACF Option - SO₂ = Other ACF or no ACF.</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-78oS	30 TAC Chapter 117, Subchapter B	R117-001	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr but less than 250 MMBtu/hr.</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 complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NOx Emission Limit Average = Emission limit in parts per million by volume (ppmv).</p> <p>NOx Reductions = Induced flue gas recirculation.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on rolling 12-month average.</p>	
Z-78oS	40 CFR Part 60, Subpart Db	60Db	<p>Construction/Modification Date = Constructed or reconstructed after February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>ACF Option - SO₂ = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>ACF Option - NO_x = Other ACF or no ACF.</p>	
F-1	40 CFR Part 63, Subpart JJJ	63JJJ-001	<p>Agitators in Gas/Vapor or Light Liquid Service = The fugitive unit contains agitators in gas/vapor or light liquid service.</p> <p>Closed-vent Systems = The fugitive unit contains closed-vent systems.</p> <p>Connectors in Heavy Liquid Service = The fugitive unit does not contain connectors in heavy liquid service.</p> <p>Enclosed Combustion Device = The fugitive unit does not contain enclosed combustion devices.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Enclosed-vented Process Unit AMEL = The fugitive unit does not contain an enclosed-vented process unit complying with an alternate means of emission limitation in § 63.179.</p> <p>Equipment Type = The fugitive unit contains equipment, as defined in 40 CFR § 63.1312, operated in hazardous air pollutant service.</p> <p>Flares = The fugitive unit does not contain flares.</p> <p>Instrumentation Systems = The fugitive unit contains instrumentation systems.</p> <p>Open-ended Valves or Lines = The fugitive unit does not contain open-ended valves or lines.</p> <p>Pressure Relief Devices in Gas/Vapor Service = The fugitive unit contains pressure relief device in gas/vapor service.</p> <p>Pumps in Heavy Liquid Service = The fugitive unit does not contain pumps in heavy liquid service.</p> <p>Pumps in Light Liquid Service = The fugitive unit contains pumps in light liquid service.</p> <p>Recovery or Recapture Device = The fugitive unit does not contain recovery or recapture devices.</p> <p>Surge Control Vessels or Bottoms Receivers = The fugitive unit contains surge control vessels or bottoms receivers.</p> <p>AMEL = No pumps in light liquid service are complying with an alternate means of emission limitation.</p> <p>Batch Process AMEL = The fugitive unit does not contain a batch process complying with the alternate means of emission limitation in § 63.178.</p> <p>Product Produced = The product of the TPPU is a thermoplastic other than Polyethylene Terephthalate (PET).</p> <p>Process Type = Polyethylene terephthalate (PET) is produced using a process other than a continuous terephthalic acid (TPA) high viscosity multiple end finisher process.</p> <p>Complying with § 63.163 = Pumps in light liquid service are complying with the requirements of § 63.163.</p> <p>Complying with § 63.167 = Pressure relief devices in gas/vapor service are complying with the requirements of § 63.167.</p> <p>Complying with § 63.169 = Instrumentation systems are complying with the requirements of § 63.169.</p> <p>Complying with § 63.173 = Agitators in gas/vapor or light liquid service are complying with the requirements of § 63.173.</p> <p>Complying with § 63.172 = Closed-vent systems are complying with the requirements of § 63.172.</p> <p>Agitators in Heavy Liquid Service = The fugitive unit does not contain agitators in heavy liquid service.</p> <p>Compressors = The fugitive unit does not contain compressors.</p> <p>Connectors in Gas/Vapor or Light Liquid Service = The fugitive unit contains connectors in gas/vapor or light liquid service.</p> <p>Pressure Relief Devices in Liquid Service = The fugitive unit contains pressure relief devices in liquid service.</p> <p>Sampling Connection Systems = The fugitive unit contains sampling connection systems.</p> <p>Valves in Gas/Vapor or Light Liquid Service = The fugitive unit contains valves in gas/vapor or light liquid service.</p> <p>Valves in Heavy Liquid Service = The fugitive unit does not contain valves in heavy liquid service.</p> <p>AMEL = No valves in gas/vapor or light liquid service are complying with an alternate means of emission limitation.</p> <p>Complying with § 63.166 = Sampling connection systems are complying with the requirements of § 63.166.</p> <p>Complying with § 63.168 = Valves in gas/vapor or light liquid service are complying with the requirements of § 63.168.</p> <p>Complying with § 63.169 = Pressure relief devices in liquid service are complying with the requirements of § 63.169.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Complying with § 63.174 = Connectors in gas/vapor or light liquid service are complying with the requirements of § 63.174.	
F-2B	40 CFR Part 63, Subpart FFFF	63FFFF	Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.	
F-3A	40 CFR Part 63, Subpart FFFF	63FFFF	Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.	
F-3A	40 CFR Part 63, Subpart JJJ	63JJJ-002	<p>Agitators in Gas/Vapor or Light Liquid Service = The fugitive unit does not contain agitators in gas/vapor or light liquid service.</p> <p>Closed-vent Systems = The fugitive unit contains closed-vent systems.</p> <p>Connectors in Heavy Liquid Service = The fugitive unit does not contain connectors in heavy liquid service.</p> <p>Enclosed Combustion Device = The fugitive unit does not contain enclosed combustion devices.</p> <p>Enclosed-vented Process Unit AMEL = The fugitive unit does not contain an enclosed-vented process unit complying with an alternate means of emission limitation in § 63.179.</p> <p>Equipment Type = The fugitive unit contains equipment, as defined in 40 CFR § 63.1312, operated in hazardous air pollutant service.</p> <p>Flares = The fugitive unit does not contain flares.</p> <p>Instrumentation Systems = The fugitive unit contains instrumentation systems.</p> <p>Open-ended Valves or Lines = The fugitive unit does not contain open-ended valves or lines.</p> <p>Pressure Relief Devices in Gas/Vapor Service = The fugitive unit contains pressure relief device in gas/vapor service.</p> <p>Pumps in Heavy Liquid Service = The fugitive unit does not contain pumps in heavy liquid service.</p> <p>Pumps in Light Liquid Service = The fugitive unit contains pumps in light liquid service.</p> <p>Recovery or Recapture Device = The fugitive unit does not contain recovery or recapture devices.</p> <p>Surge Control Vessels or Bottoms Receivers = The fugitive unit does not contain surge control vessels or bottoms receivers.</p> <p>AMEL = No pumps in light liquid service are complying with an alternate means of emission limitation.</p> <p>Batch Process AMEL = The fugitive unit does not contain a batch process complying with the alternate means of emission limitation in § 63.178.</p> <p>Product Produced = The product of the TPPU is a thermoplastic other than Polyethylene Terephthalate (PET).</p> <p>Process Type = Polyethylene terephthalate (PET) is produced using a process other than a continuous terephthalic acid (TPA) high viscosity multiple end finisher process.</p> <p>Complying with § 63.163 = Pumps in light liquid service are complying with the requirements of § 63.163.</p> <p>Complying with § 63.167 = Pressure relief devices in gas/vapor service are complying with the requirements of § 63.167.</p> <p>Complying with § 63.169 = Instrumentation systems are complying with the requirements of § 63.169.</p> <p>Complying with §63.172 = Closed-vent systems are complying with the requirements of § 63.172.</p> <p>Agitators in Heavy Liquid Service = The fugitive unit does not contain agitators in heavy liquid service.</p> <p>Compressors = The fugitive unit does not contain compressors.</p> <p>Connectors in Gas/Vapor or Light Liquid Service = The fugitive unit contains connectors in gas/vapor or light liquid service.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Pressure Relief Devices in Liquid Service = The fugitive unit contains pressure relief devices in liquid service.</p> <p>Sampling Connection Systems = The fugitive unit contains sampling connection systems.</p> <p>Valves in Gas/Vapor or Light Liquid Service = The fugitive unit contains valves in gas/vapor or light liquid service.</p> <p>Valves in Heavy Liquid Service = The fugitive unit does not contain valves in heavy liquid service.</p> <p>AMEL = No valves in gas/vapor or light liquid service are complying with an alternate means of emission limitation.</p> <p>Complying with § 63.166 = Sampling connection systems are complying with the requirements of § 63.166.</p> <p>Complying with § 63.168 = Valves in gas/vapor or light liquid service are complying with the requirements of § 63.168.</p> <p>Complying with § 63.169 = Pressure relief devices in liquid service are complying with the requirements of § 63.169.</p> <p>Complying with § 63.174 = Connectors in gas/vapor or light liquid service are complying with the requirements of § 63.174.</p>	
F-3B	40 CFR Part 63, Subpart FFFF	63FFFF	Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.	
F-3B	40 CFR Part 63, Subpart JJJ	63JJJ-003	<p>Agitators in Gas/Vapor or Light Liquid Service = The fugitive unit does not contain agitators in gas/vapor or light liquid service.</p> <p>Closed-vent Systems = The fugitive unit contains closed-vent systems.</p> <p>Connectors in Heavy Liquid Service = The fugitive unit does not contain connectors in heavy liquid service.</p> <p>Enclosed Combustion Device = The fugitive unit does not contain enclosed combustion devices.</p> <p>Enclosed-vented Process Unit AMEL = The fugitive unit does not contain an enclosed-vented process unit complying with an alternate means of emission limitation in § 63.179.</p> <p>Equipment Type = The fugitive unit contains equipment, as defined in 40 CFR § 63.1312, operated in hazardous air pollutant service.</p> <p>Flares = The fugitive unit does not contain flares.</p> <p>Instrumentation Systems = The fugitive unit contains instrumentation systems.</p> <p>Open-ended Valves or Lines = The fugitive unit does not contain open-ended valves or lines.</p> <p>Pressure Relief Devices in Gas/Vapor Service = The fugitive unit contains pressure relief device in gas/vapor service.</p> <p>Pumps in Heavy Liquid Service = The fugitive unit does not contain pumps in heavy liquid service.</p> <p>Pumps in Light Liquid Service = The fugitive unit does not contain pumps in light liquid service.</p> <p>Recovery or Recapture Device = The fugitive unit does not contain recovery or recapture devices.</p> <p>Surge Control Vessels or Bottoms Receivers = The fugitive unit does not contain surge control vessels or bottoms receivers.</p> <p>AMEL = No closed-vent systems are complying with an alternate means of emission limitation.</p> <p>Batch Process AMEL = The fugitive unit does not contain a batch process complying with the alternate means of emission limitation in § 63.178.</p> <p>Product Produced = The product of the TPPU is a thermoplastic other than Polyethylene Terephthalate (PET).</p> <p>Process Type = Polyethylene terephthalate (PET) is produced using a process other than a continuous terephthalic acid (TPA) high viscosity multiple end finisher process.</p> <p>Complying with § 63.167 = Pressure relief devices in gas/vapor service are complying with the requirements of §</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>63.167.</p> <p>Complying with § 63.169 = Instrumentation systems are complying with the requirements of § 63.169.</p> <p>Complying with §63.172 = Closed-vent systems are complying with the requirements of § 63.172.</p> <p>Agitators in Heavy Liquid Service = The fugitive unit does not contain agitators in heavy liquid service.</p> <p>Compressors = The fugitive unit contains compressors.</p> <p>Connectors in Gas/Vapor or Light Liquid Service = The fugitive unit contains connectors in gas/vapor or light liquid service.</p> <p>Pressure Relief Devices in Liquid Service = The fugitive unit contains pressure relief devices in liquid service.</p> <p>Sampling Connection Systems = The fugitive unit contains sampling connection systems.</p> <p>Valves in Gas/Vapor or Light Liquid Service = The fugitive unit contains valves in gas/vapor or light liquid service.</p> <p>Valves in Heavy Liquid Service = The fugitive unit does not contain valves in heavy liquid service.</p> <p>AMEL = No valves in gas/vapor or light liquid service are complying with an alternate means of emission limitation.</p> <p>Complying with § 63.164 = Compressors are complying with the requirements of § 63.164.</p> <p>Complying with § 63.166 = Sampling connection systems are complying with the requirements of § 63.166.</p> <p>Complying with § 63.168 = Valves in gas/vapor or light liquid service are complying with the requirements of § 63.168.</p> <p>Complying with § 63.169 = Pressure relief devices in liquid service are complying with the requirements of § 63.169.</p> <p>Complying with § 63.174 = Connectors in gas/vapor or light liquid service are complying with the requirements of § 63.174.</p>	
F-3C	40 CFR Part 63, Subpart FFFF	63FFFF	Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.	
F-3C	40 CFR Part 63, Subpart JJJ	63JJJ-004	<p>Agitators in Gas/Vapor or Light Liquid Service = The fugitive unit does not contain agitators in gas/vapor or light liquid service.</p> <p>Closed-vent Systems = The fugitive unit contains closed-vent systems.</p> <p>Connectors in Heavy Liquid Service = The fugitive unit does not contain connectors in heavy liquid service.</p> <p>Enclosed Combustion Device = The fugitive unit does not contain enclosed combustion devices.</p> <p>Enclosed-vented Process Unit AMEL = The fugitive unit does not contain an enclosed-vented process unit complying with an alternate means of emission limitation in § 63.179.</p> <p>Equipment Type = The fugitive unit contains equipment, as defined in 40 CFR § 63.1312, operated in hazardous air pollutant service.</p> <p>Flares = The fugitive unit does not contain flares.</p> <p>Instrumentation Systems = The fugitive unit contains instrumentation systems.</p> <p>Open-ended Valves or Lines = The fugitive unit does not contain open-ended valves or lines.</p> <p>Pressure Relief Devices in Gas/Vapor Service = The fugitive unit contains pressure relief device in gas/vapor service.</p> <p>Pumps in Heavy Liquid Service = The fugitive unit does not contain pumps in heavy liquid service.</p> <p>Pumps in Light Liquid Service = The fugitive unit contains pumps in light liquid service.</p> <p>Recovery or Recapture Device = The fugitive unit does not contain recovery or recapture devices.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Surge Control Vessels or Bottoms Receivers = The fugitive unit does not contain surge control vessels or bottoms receivers.</p> <p>AMEL = No pumps in light liquid service are complying with an alternate means of emission limitation.</p> <p>Batch Process AMEL = The fugitive unit does not contain a batch process complying with the alternate means of emission limitation in § 63.178.</p> <p>Product Produced = The product of the TPPU is a thermoplastic other than Polyethylene Terephthalate (PET).</p> <p>Process Type = Polyethylene terephthalate (PET) is produced using a process other than a continuous terephthalic acid (TPA) high viscosity multiple end finisher process.</p> <p>Complying with § 63.163 = Pumps in light liquid service are complying with the requirements of § 63.163.</p> <p>Complying with § 63.167 = Pressure relief devices in gas/vapor service are complying with the requirements of § 63.167.</p> <p>Complying with § 63.169 = Instrumentation systems are complying with the requirements of § 63.169.</p> <p>Complying with § 63.172 = Closed-vent systems are complying with the requirements of § 63.172.</p> <p>Agitators in Heavy Liquid Service = The fugitive unit does not contain agitators in heavy liquid service.</p> <p>Compressors = The fugitive unit does not contain compressors.</p> <p>Connectors in Gas/Vapor or Light Liquid Service = The fugitive unit contains connectors in gas/vapor or light liquid service.</p> <p>Pressure Relief Devices in Liquid Service = The fugitive unit contains pressure relief devices in liquid service.</p> <p>Sampling Connection Systems = The fugitive unit contains sampling connection systems.</p> <p>Valves in Gas/Vapor or Light Liquid Service = The fugitive unit contains valves in gas/vapor or light liquid service.</p> <p>Valves in Heavy Liquid Service = The fugitive unit does not contain valves in heavy liquid service.</p> <p>AMEL = No valves in gas/vapor or light liquid service are complying with an alternate means of emission limitation.</p> <p>Complying with § 63.166 = Sampling connection systems are complying with the requirements of § 63.166.</p> <p>Complying with § 63.168 = Valves in gas/vapor or light liquid service are complying with the requirements of § 63.168.</p> <p>Complying with § 63.169 = Pressure relief devices in liquid service are complying with the requirements of § 63.169.</p> <p>Complying with § 63.174 = Connectors in gas/vapor or light liquid service are complying with the requirements of § 63.174.</p>	
F-4	40 CFR Part 63, Subpart FFFF	63FFFF	Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.	
F-4	40 CFR Part 63, Subpart JJJ	63JJJ-005	<p>Agitators in Gas/Vapor or Light Liquid Service = The fugitive unit does not contain agitators in gas/vapor or light liquid service.</p> <p>Closed-vent Systems = The fugitive unit contains closed-vent systems.</p> <p>Connectors in Heavy Liquid Service = The fugitive unit does not contain connectors in heavy liquid service.</p> <p>Enclosed Combustion Device = The fugitive unit does not contain enclosed combustion devices.</p> <p>Enclosed-vented Process Unit AMEL = The fugitive unit does not contain an enclosed-vented process unit complying with an alternate means of emission limitation in § 63.179.</p> <p>Equipment Type = The fugitive unit contains equipment, as defined in 40 CFR § 63.1312, operated in hazardous air pollutant service.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Flares = The fugitive unit does not contain flares.</p> <p>Instrumentation Systems = The fugitive unit contains instrumentation systems.</p> <p>Open-ended Valves or Lines = The fugitive unit does not contain open-ended valves or lines.</p> <p>Pressure Relief Devices in Gas/Vapor Service = The fugitive unit contains pressure relief device in gas/vapor service.</p> <p>Pumps in Heavy Liquid Service = The fugitive unit does not contain pumps in heavy liquid service.</p> <p>Pumps in Light Liquid Service = The fugitive unit contains pumps in light liquid service.</p> <p>Recovery or Recapture Device = The fugitive unit does not contain recovery or recapture devices.</p> <p>Surge Control Vessels or Bottoms Receivers = The fugitive unit does not contain surge control vessels or bottoms receivers.</p> <p>AMEL = No pumps in light liquid service are complying with an alternate means of emission limitation.</p> <p>Batch Process AMEL = The fugitive unit does not contain a batch process complying with the alternate means of emission limitation in § 63.178.</p> <p>Product Produced = The product of the TPPU is a thermoplastic other than Polyethylene Terephthalate (PET).</p> <p>Process Type = Polyethylene terephthalate (PET) is produced using a process other than a continuous terephthalic acid (TPA) high viscosity multiple end finisher process.</p> <p>Complying with § 63.163 = Pumps in light liquid service are complying with the requirements of § 63.163.</p> <p>Complying with § 63.167 = Pressure relief devices in gas/vapor service are complying with the requirements of § 63.167.</p> <p>Complying with § 63.169 = Instrumentation systems are complying with the requirements of § 63.169.</p> <p>Complying with § 63.172 = Closed-vent systems are complying with the requirements of § 63.172.</p> <p>Agitators in Heavy Liquid Service = The fugitive unit does not contain agitators in heavy liquid service.</p> <p>Compressors = The fugitive unit does not contain compressors.</p> <p>Connectors in Gas/Vapor or Light Liquid Service = The fugitive unit contains connectors in gas/vapor or light liquid service.</p> <p>Pressure Relief Devices in Liquid Service = The fugitive unit contains pressure relief devices in liquid service.</p> <p>Sampling Connection Systems = The fugitive unit contains sampling connection systems.</p> <p>Valves in Gas/Vapor or Light Liquid Service = The fugitive unit contains valves in gas/vapor or light liquid service.</p> <p>Valves in Heavy Liquid Service = The fugitive unit does not contain valves in heavy liquid service.</p> <p>AMEL = No valves in gas/vapor or light liquid service are complying with an alternate means of emission limitation.</p> <p>Complying with § 63.166 = Sampling connection systems are complying with the requirements of § 63.166.</p> <p>Complying with § 63.168 = Valves in gas/vapor or light liquid service are complying with the requirements of § 63.168.</p> <p>Complying with § 63.169 = Pressure relief devices in liquid service are complying with the requirements of § 63.169.</p> <p>Complying with § 63.174 = Connectors in gas/vapor or light liquid service are complying with the requirements of § 63.174.</p>	
F-5	40 CFR Part 63, Subpart FFFF	63FFFF	Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
F-5	40 CFR Part 63, Subpart JJJ	63JJJ-006	<p>Agitators in Gas/Vapor or Light Liquid Service = The fugitive unit does not contain agitators in gas/vapor or light liquid service.</p> <p>Closed-vent Systems = The fugitive unit contains closed-vent systems.</p> <p>Connectors in Heavy Liquid Service = The fugitive unit does not contain connectors in heavy liquid service.</p> <p>Enclosed Combustion Device = The fugitive unit contains enclosed combustion devices.</p> <p>Enclosed-vented Process Unit AMEL = The fugitive unit does not contain an enclosed-vented process unit complying with an alternate means of emission limitation in § 63.179.</p> <p>Equipment Type = The fugitive unit contains equipment, as defined in 40 CFR § 63.1312, operated in hazardous air pollutant service.</p> <p>Flares = The fugitive unit does not contain flares.</p> <p>Instrumentation Systems = The fugitive unit contains instrumentation systems.</p> <p>Open-ended Valves or Lines = The fugitive unit does not contain open-ended valves or lines.</p> <p>Pressure Relief Devices in Gas/Vapor Service = The fugitive unit contains pressure relief device in gas/vapor service.</p> <p>Pumps in Heavy Liquid Service = The fugitive unit does not contain pumps in heavy liquid service.</p> <p>Pumps in Light Liquid Service = The fugitive unit contains pumps in light liquid service.</p> <p>Recovery or Recapture Device = The fugitive unit does not contain recovery or recapture devices.</p> <p>Surge Control Vessels or Bottoms Receivers = The fugitive unit does not contain surge control vessels or bottoms receivers.</p> <p>AMEL = No pumps in light liquid service are complying with an alternate means of emission limitation.</p> <p>Batch Process AMEL = The fugitive unit does not contain a batch process complying with the alternate means of emission limitation in § 63.178.</p> <p>Product Produced = The product of the TPPU is a thermoplastic other than Polyethylene Terephthalate (PET).</p> <p>Process Type = Polyethylene terephthalate (PET) is produced using a process other than a continuous terephthalic acid (TPA) high viscosity multiple end finisher process.</p> <p>Complying with § 63.163 = Pumps in light liquid service are complying with the requirements of § 63.163.</p> <p>Complying with § 63.167 = Pressure relief devices in gas/vapor service are complying with the requirements of § 63.167.</p> <p>Complying with § 63.169 = Instrumentation systems are complying with the requirements of § 63.169.</p> <p>Complying with § 63.172 = No enclosed combustion devices are complying with the requirements of § 63.172.</p> <p>Complying with § 63.172 = Closed-vent systems are complying with the requirements of § 63.172.</p> <p>Agitators in Heavy Liquid Service = The fugitive unit does not contain agitators in heavy liquid service.</p> <p>Compressors = The fugitive unit does not contain compressors.</p> <p>Connectors in Gas/Vapor or Light Liquid Service = The fugitive unit contains connectors in gas/vapor or light liquid service.</p> <p>Pressure Relief Devices in Liquid Service = The fugitive unit contains pressure relief devices in liquid service.</p> <p>Sampling Connection Systems = The fugitive unit contains sampling connection systems.</p> <p>Valves in Gas/Vapor or Light Liquid Service = The fugitive unit contains valves in gas/vapor or light liquid service.</p> <p>Valves in Heavy Liquid Service = The fugitive unit does not contain valves in heavy liquid service.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>AMEL = No valves in gas/vapor or light liquid service are complying with an alternate means of emission limitation.</p> <p>Complying with § 63.166 = Sampling connection systems are complying with the requirements of § 63.166.</p> <p>Complying with § 63.168 = Valves in gas/vapor or light liquid service are complying with the requirements of § 63.168.</p> <p>Complying with § 63.169 = Pressure relief devices in liquid service are complying with the requirements of § 63.169.</p> <p>Complying with § 63.174 = Connectors in gas/vapor or light liquid service are complying with the requirements of § 63.174.</p>	
Z-2753	30 TAC Chapter 115, HRVOC Cooling Towers	R5760	<p>Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption.</p> <p>Jacketed Reactor = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor.</p> <p>Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.</p> <p>Design Capacity = Design capacity to circulate less than 8000 gpm.</p> <p>Finite Volume System = The cooling tower heat exchange system is complying with the requirements in § 115.764(a).</p> <p>Modified Monitoring = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764.</p> <p>Flow Monitoring/Testing Method = Choosing to use the maximum potential flow rate based on the manufacturer's pump performance data in accordance with §115.764(e)(1).</p> <p>Total Strippable VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).</p> <p>On-Line Monitor = Speciated strippable HRVOC concentration is being determined by sampling.</p>	
Z-2753	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Unit Type = Unit is a process contact cooling tower..</p> <p>Thermoplastic Product = TPPU produces a thermoplastic other than poly (ethylene terephthalate) resin (PET).</p> <p>Construction/Reconstruction Date = Construction, reconstruction or modification of the affected source began on or prior to March 29, 1995.</p> <p>Monitored for HAP = The cooling water is being monitored for the presence of HAP.</p>	
Z-3753	40 CFR Part 63, Subpart FFFF	63FFFF	<p>Monitoring = The cooling water is being monitored for the presence of HAPs or other representative substances that would indicate a leak.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-753	30 TAC Chapter 115, HRVOC Cooling Towers	R5760	<p>Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption.</p> <p>Jacketed Reactor = The cooling tower heat exchange system is in dedicated service to a jacketed reactor.</p> <p>Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.</p> <p>Design Capacity = Design capacity to circulate less than 8000 gpm.</p> <p>Modified Monitoring = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764.</p> <p>Flow Monitoring/Testing Method = Choosing to use the maximum potential flow rate based on the manufacturer's pump performance data in accordance with §115.764(e)(1).</p> <p>Total Strippable VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).</p> <p>On-Line Monitor = Speciated strippable HRVOC concentration is being determined by sampling.</p>	
Z-753	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Unit Type = Unit is a process contact cooling tower..</p> <p>Thermoplastic Product = TPPU produces a thermoplastic other than poly (ethylene terephthalate) resin (PET).</p> <p>Construction/Reconstruction Date = Construction, reconstruction or modification of the affected source began on or prior to March 29, 1995.</p> <p>Monitored for HAP = The cooling water is being monitored for the presence of HAP.</p>	
1" PURGVEN	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
1" PURGVEN	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Vent Stream Type = Batch process vents.</p> <p>Construction/Modification Date = Source is an existing source that commenced construction, reconstruction, or modification on or prior to March 29, 1995.</p> <p>Thermoplastic Produced = Source produces a thermoplastic resin other than styrene acrylonitrile (SAN), acrylonitrile styrene acrylate (ASA) or alpha methyl styrene acrylonitrile (AMSAN) resins.</p> <p>Stream Group Status = Requirements of 40 CFR§ 63.1323 are used to determine control requirements for the stream.</p> <p>Annual Organic HAP Emissions = The vent has annual organic HAP emissions of less than 11,800 kilograms per year.</p> <p>Single Highest HAP Recipe = The emissions from the single highest HAP recipe were used in the group determination and the group determination assumed operation of the batch unit at maximum design capacity for 12 months.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
F-3603	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
L-4014-A1	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
L-4015-A1	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
V-2321	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
V-402	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
WG-1	30 TAC Chapter 115, Vent Gas Controls	5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-1607S	30 TAC Chapter 115, HRVOC Vent Gas	R5720	<p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft³/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p>	
Z-1607S	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = 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 greater than 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p>	
Z-1607S	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Halogenated = The vent stream is not halogenated.</p> <p>Vent Stream Type = Aggregate batch vent stream.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters are not requested or have not been approved.</p> <p>Construction/Modification Date = Source is a new source that commenced construction, reconstruction, or modification after March 29, 1995.</p> <p>Thermoplastic Produced = Source produces a thermoplastic resin other than styrene acrylonitrile (SAN), acrylonitrile styrene acrylate (ASA) or alpha methyl styrene acrylonitrile (AMSAN) resins.</p> <p>Control Device = Thermal incinerator.</p> <p>Emission Episodes = The control device is operated at all times when batch emission episodes are venting.</p> <p>Stream Group Status = Stream is routed to a flare or control device complying with the control requirements or 40 CFR § 63.1322(a) or (b) for batch or aggregate batch vent streams.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Complying with 20 ppmv Limit = Complying with the 20 parts per million by volume outlet concentration standard specified in 40 CFR § 63.1322(b)(2).</p> <p>Flow Indicator = A flow indicator is installed and operated at the entrance of the by-pass line.</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA and the test was conducted using the same methods specified in 40 CFR § 63.1325 and those results reliably demonstrate compliance.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-1608	30 TAC Chapter 115, HRVOC Vent Gas	R5720	<p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft³/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p>	
Z-1608	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).</p> <p>Vent Type = 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 greater than 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p>	
Z-1608	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Halogenated = The vent stream is not halogenated.</p> <p>Vent Stream Type = Aggregate batch process vents.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters are not requested or have not been approved.</p> <p>Construction/Modification Date = Source is a new source that commenced construction, reconstruction, or modification after March 29, 1995.</p> <p>Thermoplastic Produced = Source produces a thermoplastic resin other than styrene acrylonitrile (SAN), acrylonitrile styrene acrylate (ASA) or alpha methyl styrene acrylonitrile (AMSAN) resins.</p> <p>Control Device = Thermal incinerator.</p> <p>Emission Episodes = The control device is operated at all times when batch emission episodes are venting.</p> <p>Stream Group Status = Stream is routed to a flare or control device complying with the control requirements or 40 CFR § 63.1322(a) or (b) for batch or aggregate batch vent streams.</p> <p>By-pass Lines = The vent system contains by-pass lines that can divert the vent stream from the control device.</p> <p>Complying with 20 ppmv Limit = Complying with the 20 parts per million by volume outlet concentration standard specified in 40 CFR § 63.1322(b)(2).</p> <p>Flow Indicator = A flow indicator is installed and operated at the entrance of the by-pass line.</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA and the test was conducted using the same methods specified in 40 CFR § 63.1325 and those results reliably demonstrate compliance.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-2652	30 TAC Chapter 115, HRVOC Vent Gas	R5720	<p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft³/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p>	
Z-2652	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
Z-2652	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Vent Stream Type = Batch process vents.</p> <p>Construction/Modification Date = Source is an existing source that commenced construction, reconstruction, or modification on or prior to March 29, 1995.</p> <p>Thermoplastic Produced = Source produces a thermoplastic resin other than styrene acrylonitrile (SAN), acrylonitrile styrene acrylate (ASA) or alpha methyl styrene acrylonitrile (AMSAN) resins.</p> <p>Stream Group Status = Requirements of 40 CFR§ 63.1323 are used to determine control requirements for the stream.</p> <p>Annual Organic HAP Emissions = The vent has annual organic HAP emissions of less than 11,800 kilograms per year.</p> <p>Single Highest HAP Recipe = The emissions from the single highest HAP recipe were used in the group determination and the group determination assumed operation of the batch unit at maximum design capacity for 12 months.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-2655	30 TAC Chapter 115, HRVOC Vent Gas	R5720	<p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft³/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests.</p>	
Z-2655	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
Z-2655	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Vent Stream Type = Batch process vents.</p> <p>Construction/Modification Date = Source is an existing source that commenced construction, reconstruction, or modification on or prior to March 29, 1995.</p> <p>Thermoplastic Produced = Source produces a thermoplastic resin other than styrene acrylonitrile (SAN), acrylonitrile styrene acrylate (ASA) or alpha methyl styrene acrylonitrile (AMSAN) resins.</p> <p>Stream Group Status = Requirements of 40 CFR§ 63.1323 are used to determine control requirements for the stream.</p> <p>Annual Organic HAP Emissions = The vent has annual organic HAP emissions of less than 11,800 kilograms per year.</p> <p>Single Highest HAP Recipe = The emissions from the single highest HAP recipe were used in the group determination and the group determination assumed operation of the batch unit at maximum design capacity for 12 months.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-2656	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
Z-3654	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
Z-3655	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-3656	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
Z-652	30 TAC Chapter 115, HRVOC Vent Gas	R5720	<p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft³/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests.</p>	
Z-652	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-652	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Vent Stream Type = Batch process vents.</p> <p>Construction/Modification Date = Source is an existing source that commenced construction, reconstruction, or modification on or prior to March 29, 1995.</p> <p>Thermoplastic Produced = Source produces a thermoplastic resin other than styrene acrylonitrile (SAN), acrylonitrile styrene acrylate (ASA) or alpha methyl styrene acrylonitrile (AMSAN) resins.</p> <p>Stream Group Status = Requirements of 40 CFR§ 63.1323 are used to determine control requirements for the stream.</p> <p>Annual Organic HAP Emissions = The vent has annual organic HAP emissions of less than 11,800 kilograms per year.</p> <p>Single Highest HAP Recipe = The emissions from the single highest HAP recipe were used in the group determination and the group determination assumed operation of the batch unit at maximum design capacity for 12 months.</p>	
Z-655	30 TAC Chapter 115, HRVOC Vent Gas	R5720	<p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft³/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p>	
Z-655	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-655	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Vent Stream Type = Batch process vents.</p> <p>Construction/Modification Date = Source is an existing source that commenced construction, reconstruction, or modification on or prior to March 29, 1995.</p> <p>Thermoplastic Produced = Source produces a thermoplastic resin other than styrene acrylonitrile (SAN), acrylonitrile styrene acrylate (ASA) or alpha methyl styrene acrylonitrile (AMSAN) resins.</p> <p>Stream Group Status = Requirements of 40 CFR§ 63.1323 are used to determine control requirements for the stream.</p> <p>Annual Organic HAP Emissions = The vent has annual organic HAP emissions of less than 11,800 kilograms per year.</p> <p>Single Highest HAP Recipe = The emissions from the single highest HAP recipe were used in the group determination and the group determination assumed operation of the batch unit at maximum design capacity for 12 months.</p>	
Z-656	30 TAC Chapter 115, Vent Gas Controls	R5121	<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 = VOC concentration is less than 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>	
LINE 1&2 RTO	30 TAC Chapter 115, Batch Processes	R5160	<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 = Direct flame incinerator.</p>	
LINE 1&2 RTO	40 CFR Part 63, Subpart JJJ	63JJJ	<p>Exempted Process = The thermoplastic product process unit equipment is used for processes subject to 40 CFR Part 63, Subpart JJJ.</p> <p>Primary Product = A thermoplastic product is the primary product of the process unit.</p> <p>Flexible Unit = The thermoplastic product process unit is not a flexible unit as defined in 40 CFR § 63.1312.</p> <p>No Organic HAP = The thermoplastic product process unit manufactures a product that uses or produces organic HAP.</p> <p>Existing Source = The source is an existing source.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
LINE 1&2 TO	30 TAC Chapter 115, Batch Processes	R5160	<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 = Direct flame incinerator.</p>	
LINE 3 RTO	30 TAC Chapter 115, Batch Processes	R5160	<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 = Direct flame incinerator.</p>	
LINE 3 RTO	40 CFR Part 63, Subpart FFFF	63FFFF	<p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>HAL Device Type = No halogen scrubber or other halogen reduction device is used.</p> <p>Meets 63.988(b)(2) = The control device meets the criteria in § 63.988(b)(2).</p> <p>Small Device = A small control device (defined in § 63.2550) is not being used.</p> <p>1257A1 = A design evaluation as specified in § 63.1257(a)(1) is not being conducted.</p> <p>Determined Grp1 = The emission stream is determined to be Group 2.</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process to an outlet concentration of 20 ppmv or less as TOC or total organic HAP by venting to any combination of control devices except a flare.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is 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>Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure.</p> <p>SS Device Type = Incinerator other than a catalytic incinerator.</p> <p>Bypass Line = The closed vent system does not contain a bypass line that could divert the vent stream away from the control device.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
WG-1	30 TAC Chapter 115, Batch Processes	R5160-1	<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 = Approved alternate control device not specified in 30 TAC Chapter 115, Subchapter B, Division 6: Batch Processes.</p>	
WG-1	30 TAC Chapter 115, Batch Processes	R5160-2	<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 = Approved alternate control device not specified in 30 TAC Chapter 115, Subchapter B, Division 6: Batch Processes.</p>	

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

** - Notes changes made to the automated results from the DSS, and a brief explanation why

NSR Versus Title V FOP

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

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

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

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The

Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

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

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

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

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

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.: 9092	Issuance Date: 05/21/2014
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.005	Version No./Date: 09/04/2000
Number: 106.124	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.373	Version No./Date: 09/04/2000
Number: 106.393	Version No./Date: 09/04/2000
Number: 106.432	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 5	Version No./Date: 09/12/1989

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 sandblasting 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.: T-130	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Repairs not made prior to refilling tank.	
<p>Basis of monitoring: The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources.</p>	

Unit/Group/Process Information	
ID No.: T-130	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Submerged fill pipe greater than six inches from the bottom of the tank.	
<p>Basis of monitoring: The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources.</p>	

Unit/Group/Process Information	
ID No.: T-140	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60KB
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: VOC concentration < 500 ppmv	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p>	

Unit/Group/Process Information	
ID No.: T-140	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60KB
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: No cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	
<p>Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and a recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.</p>	

Compliance Assurance Monitoring (CAM):

Compliance Assurance Monitoring (CAM) is a federal monitoring program established under Title 40 Code of Federal Regulations Part 64 (40 CFR Part 64).

Emission units are subject to CAM requirements if they meet the following criteria:

1. the emission unit is subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement;
2. the emission unit uses a control device to achieve compliance with the emission limitation or standard specified in the applicable requirement; and
3. the emission unit has the pre-control device potential to emit greater than or equal to the amount in tons per year for a site to be classified as a major source.

The following table(s) identify the emission unit(s) that are subject to CAM:

Unit/Group/Process Information	
ID No.: Z-1607S	
Control Device ID No.: Z-1607S	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121
Pollutant: VOC	Main Standard: § 115.121(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Minimum Combustion Temperature = 1400 deg F when waste gas is being combusted.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

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

Unit/Group/Process Information	
ID No.: Z-1608	
Control Device ID No.: Z-1608	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121
Pollutant: VOC	Main Standard: § 115.121(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Minimum Combustion Temperature = 1400 deg F when waste gas is being combusted.	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

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

Available Unit Attribute Forms

- OP-UA1 - Miscellaneous and Generic Unit Attributes
- OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
- OP-UA3 - Storage Tank/Vessel Attributes
- OP-UA4 - Loading/Unloading Operations Attributes
- OP-UA5 - Process Heater/Furnace Attributes
- OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
- OP-UA7 - Flare Attributes
- OP-UA8 - Coal Preparation Plant Attributes
- OP-UA9 - Nonmetallic Mineral Process Plant Attributes
- OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
- OP-UA11 - Stationary Turbine Attributes
- OP-UA12 - Fugitive Emission Unit Attributes
- OP-UA13 - Industrial Process Cooling Tower Attributes
- OP-UA14 - Water Separator Attributes
- OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
- OP-UA16 - Solvent Degreasing Machine Attributes
- OP-UA17 - Distillation Unit Attributes
- OP-UA18 - Surface Coating Operations Attributes
- OP-UA19 - Wastewater Unit Attributes
- OP-UA20 - Asphalt Operations Attributes
- OP-UA21 - Grain Elevator Attributes
- OP-UA22 - Printing Attributes
- OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
- OP-UA25 - Synthetic Fiber Production Attributes
- OP-UA26 - Electroplating and Anodizing Unit Attributes
- OP-UA27 - Nitric Acid Manufacturing Attributes
- OP-UA28 - Polymer Manufacturing Attributes
- OP-UA29 - Glass Manufacturing Unit Attributes
- OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semicheical Pulp Mill Attributes
- OP-UA31 - Lead Smelting Attributes
- OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
- OP-UA33 - Metallic Mineral Processing Plant Attributes
- OP-UA34 - Pharmaceutical Manufacturing
- OP-UA35 - Incinerator Attributes
- OP-UA36 - Steel Plant Unit Attributes
- OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
- OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
- OP-UA39 - Sterilization Source Attributes
- OP-UA40 - Ferroalloy Production Facility Attributes
- OP-UA41 - Dry Cleaning Facility Attributes
- OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
- OP-UA43 - Sulfuric Acid Production Attributes
- OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
- OP-UA45 - Surface Impoundment Attributes
- OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
- OP-UA47 - Ship Building and Ship Repair Unit Attributes
- OP-UA48 - Air Oxidation Unit Process Attributes
- OP-UA49 - Vacuum-Producing System Attributes
- OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
- OP-UA51 - Dryer/Kiln/Oven Attributes

OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes