Statement of Basis of the Federal Operating Permit

Equistar Chemicals, LP

Site/Area Name: La Porte Complex
Physical location: Approx 1 mile north of highway 225 on Miller cut-off rd
Nearest City: La Porte
County: Harris

Permit Number: O1606
Project Type: Renewal

Standard Industrial Classification (SIC) Code: 2821
SIC Name: Plastics Materials and Resins

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document may include the following information:

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

Prepared on: May 20, 2008

OPERATING PERMIT
BASIS OF DETERMINATION

PERMIT AREA PROCESS DESCRIPTION

The Q-1 Unit consists of six distinct sections: Pretreatment, Catalyst Feed, Reactor Coolant, Reaction,
Co-mononer Recovery, and Finishing.

During the **Pretreatment** phase, fresh monomer is received via pipeline and is purified on-site. The monomer is pretreated in catalyst beds to remove small amounts of impurities harmful to the process. There will be no continuous emissions from this area. All vents from these beds during regeneration and purging prior to bed replacement will be routed to the flare during normal operating conditions.

Co-monomer is received in trucks or railcars, purified, and transferred to pressurized storage tanks. The
co-monomer is pretreated in catalyst beds to remove small amounts of impurities harmful to the process. There will be no continuous emissions from this area. All vents from these beds during regeneration and purging prior to bed replacement will be routed to the flare.

Catalyst is received in pressure tanks. The catalyst is blown to the process **Catalyst Feed** tanks with an inert gas. The inert gas is released to the atmosphere through sintered metal filters to control particulate emissions. Liquid co-catalyst and catalyst modifier arrive via truck or railcar, are then stored, and are fed to the reactor.

During the **Reactor Coolant** phase, only a small amount of coolant is used in the reactor. This coolant, typically isomers of hexane, is recovered with recycled monomer and returned to the reactor. Makeup hexane is transferred from an existing storage tank to a dedicated tank for use in the Q-1 process. The hexane is pretreated to remove impurities.

During the **Reactor** phase, ethylene, con-monomer, catalysts, co-catalysts, coolant, and a recycle stream are fed to a gas-phase fluidized bed reactor. Seed resin is added to the reactor during startup procedures only. The fluidized bed in the reactor rises to an expanded section of the reactor where polymer is separated from the gas by gravity and returned to the bed. The gas phase exits the reactor, and is then compressed, cooled, and recycled to the reactor.

The gas used for transport of the polymer is chilled to recover ethylene and co-monomer during the **Co-monomer Recovery** phase. The off gas from the chillers is recycled to the accumulation hoppers as a conveying gas or to a combustion unit. The recovered co-monomer is returned to the reactors. The primary process purge is taken from the recirculating gas and is routed to a combustion unit.

The raw polymer is received in the **finishing** area where it is purged with nitrogen and steam to remove the residual VOC. The purge stream is routed to the co-monomer recovery system. A portion of this stream is routed to a combustion unit. The raw polymer is screened to remove agglomerates and fed to a mixer where additives are incorporated into the mix. The melt leaves the mixer, is extruded into product pellets, and is loaded into railcars and trucks.

MAJOR SOURCE POLLUTANTS

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

Major Pollutants	VOC, NOX, HAPS, CO

The permit contains terms and conditions that specify the area-wide applicable requirements and a table of applicable requirements for specific emission units in the application area. The Special Terms and Conditions contain both generic and site-wide requirements. The generic requirements are general monitoring, recordkeeping, reporting requirements that do not apply to specific sources. Site-wide requirements apply uniformly to a group of emission sources such as source-wide opacity limits. These requirements are streamlined into the Special Terms and Condition for brevity. The streamlining of broadly applicable requirements was developed in accordance with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995. Applicable requirements that do not apply uniformly (i.e. are specific to each emission source) appear in the FOP's Applicable Requirement Summary table.

The "application area" consists of the emission units and that portion of the site included in the application and this permit. When there is only one area for the site, then the application information and permit will include the site.

Additional FOPs: O2223, O2224, O2225, O2226

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
State NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Yes
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No

[illegible]	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CAIR (Clean Air Interstate Rule)	No
CAMR (Clean Air Mercury Rule)	No

BASIS FOR APPLYING PERMIT SHIELDS

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

INSIGNIFICANT ACTIVITIES

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OPREQ1 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 drycleaning 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 http://www.tceq.state.tx.us/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 http://www.tceq.state.tx.us/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.

DESCRIPTION OF ERRATA CHANGES TO DRAFT PERMIT MAILED ON JUNE 12, 2008

References to 40 CFR 63 YY were removed throughout the permit.

- This was done because on June 20, 2008 clarification was provided that the referencing MACT subpart for units applicable to 40 CFR 63 UU was 40 CFR 63 FFFF. According to information submitted by the applicant 40 CFR 63 YY is not applicable.

Initial Control Plan requirement in the Terms and Conditions was corrected to Title 30 Texas Administrative Code §§ 117.350(c) and (c)(1).

- Previously the permit listed §§ 117.350(c) and (c)(1), which was a typographic error.

Pages 13 and 27 of this document now contain index numbers with non-applicability to 40 CFR 63 ZZZZ.

- Unit attribute forms were submitted on June 20, 2008 that contained the attributes listed.

DETERMINATION OF APPLICABLE REQUIREMENTS

Unit ID	Regulation	Index Number	Basis of Determination*
J2202	30 TAC Chapter 117, Commercial	R7ICI-1	HORSEPOWER RATING = HORSEPOWER GREATER THAN OR EQUAL TO 150 HP RACT DATE PLACED IN SERVICE = ON/BEFORE NOVEMBER 15, 1992 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
PWABCN	30 TAC Chapter 117, Commercial	R7ICI-1	HORSEPOWER RATING = HORSEPOWER GREATER THAN OR EQUAL TO 150 HP RACT DATE PLACED IN SERVICE = ON/BEFORE NOVEMBER 15, 1992 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
PWCWELL	30 TAC Chapter 117, Commercial	R7ICI-1	HORSEPOWER RATING = HORSEPOWER GREATER THAN OR EQUAL TO 150 HP RACT DATE PLACED IN SERVICE = ON/BEFORE NOVEMBER 15, 1992 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
PWW321	30 TAC Chapter 117, Commercial	R7ICI-1	HORSEPOWER RATING = HORSEPOWER GREATER THAN OR EQUAL TO 150 HP RACT DATE PLACED IN SERVICE = ON/BEFORE NOVEMBER 15, 1992 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
L3V3387	30 TAC Chapter 115, Storage of VOCs	R5112-1	ALTERNATE CONTROL REQUIREMENT [REG V] = NOT USING ALTERNATE METHOD FOR DEMONSTRATING AND DOCUMENTING CONTINUOUS COMPLIANCE. 30 TAC CHAPTER 115 (REG V) PRODUCT STORED = VOC OTHER THAN CRUDE OIL OR CONDENSATE 30 TAC CHAPTER 115 (REG V) STORAGE CAPACITY = CAPACITY GREATER THAN 1,000 GALLONS AND LESS THAN OR EQUAL TO 25,000 GALLONS 30 TAC CHAPTER (REG V) 115 TANK DESCRIPTION = TANK/VESSEL USING SUBMERGED FILL PIPE TRUE VAPOR PRESSURE (TVP) AT STORAGE CONDITIONS [REG V] = TRUE VAPOR PRESSURE GREATER THAN OR EQUAL TO 1.5 PSIA
L3V3387	40 CFR Part 63, Subpart FFFF	63FFFF	PROCESS WASTEWATER = TANK RECEIVES, MANAGES OR TREATS PROCESS WASTEWATER AS DEFINED IN 40 CFR PART 63, SUBPART F MEETS § 63.149(D) = TANK MEETS THE CRITERIA IN 40 CFR § 63.149(D) OR (E)(2)
L3V3740	30 TAC Chapter 115, Storage of VOCs	R5112-2	ALTERNATE CONTROL REQUIREMENT [REG V] = NOT USING ALTERNATE METHOD FOR DEMONSTRATING AND DOCUMENTING CONTINUOUS COMPLIANCE. 30 TAC CHAPTER 115 (REG V) PRODUCT STORED = VOC OTHER THAN CRUDE OIL OR CONDENSATE 30 TAC CHAPTER 115 (REG V) STORAGE CAPACITY = CAPACITY GREATER THAN 1,000 GALLONS AND LESS THAN OR

			EQUAL TO 25,000 GALLONS 30 TAC CHAPTER (REG V) 115 TANK DESCRIPTION = TANK/VESSEL USING VAPOR RECOVERY SYSTEM TRUE VAPOR PRESSURE (TVP) AT STORAGE CONDITIONS [REG V] = TRUE VAPOR PRESSURE GREATER THAN OR EQUAL TO 1.5 PSIA 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = FLARE
L3V3740-2	30 TAC Chapter 115, Storage of VOCs	R5112-1	ALTERNATE CONTROL REQUIREMENT [REG V] = NOT USING ALTERNATE METHOD FOR DEMONSTRATING AND DOCUMENTING CONTINUOUS COMPLIANCE. 30 TAC CHAPTER 115 (REG V) PRODUCT STORED = VOC OTHER THAN CRUDE OIL OR CONDENSATE 30 TAC CHAPTER 115 (REG V) STORAGE CAPACITY = CAPACITY GREATER THAN 1,000 GALLONS AND LESS THAN OR EQUAL TO 25,000 GALLONS 30 TAC CHAPTER (REG V) 115 TANK DESCRIPTION = TANK/VESSEL USING SUBMERGED FILL PIPE TRUE VAPOR PRESSURE (TVP) AT STORAGE CONDITIONS [REG V] = TRUE VAPOR PRESSURE GREATER THAN OR EQUAL TO 1.5 PSIA
L3V4367	30 TAC Chapter 115, Storage of VOCs	R5112-2	ALTERNATE CONTROL REQUIREMENT [REG V] = NOT USING ALTERNATE METHOD FOR DEMONSTRATING AND DOCUMENTING CONTINUOUS COMPLIANCE. 30 TAC CHAPTER 115 (REG V) PRODUCT STORED = VOC OTHER THAN CRUDE OIL OR CONDENSATE 30 TAC CHAPTER 115 (REG V) STORAGE CAPACITY = CAPACITY GREATER THAN 1,000 GALLONS AND LESS THAN OR EQUAL TO 25,000 GALLONS 30 TAC CHAPTER (REG V) 115 TANK DESCRIPTION = TANK/VESSEL USING VAPOR RECOVERY SYSTEM TRUE VAPOR PRESSURE (TVP) AT STORAGE CONDITIONS [REG V] = TRUE VAPOR PRESSURE GREATER THAN OR EQUAL TO 1.5 PSIA 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = FLARE
MRU3745	30 TAC Chapter 115, Storage of VOCs	R5112-2	ALTERNATE CONTROL REQUIREMENT [REG V] = NOT USING ALTERNATE METHOD FOR DEMONSTRATING AND DOCUMENTING CONTINUOUS COMPLIANCE. 30 TAC CHAPTER 115 (REG V) PRODUCT STORED = VOC OTHER THAN CRUDE OIL OR CONDENSATE 30 TAC CHAPTER 115 (REG V) STORAGE CAPACITY = CAPACITY GREATER THAN 1,000 GALLONS AND LESS THAN OR EQUAL TO 25,000 GALLONS 30 TAC CHAPTER (REG V) 115 TANK DESCRIPTION = TANK/VESSEL USING VAPOR RECOVERY SYSTEM TRUE VAPOR PRESSURE (TVP) AT STORAGE CONDITIONS [REG V] = TRUE VAPOR PRESSURE GREATER THAN OR EQUAL TO 1.5 PSIA 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = FLARE
MRU3746	30 TAC Chapter 115, Storage of VOCs	R5112	ALTERNATE CONTROL REQUIREMENT [REG V] = NOT USING ALTERNATE METHOD FOR DEMONSTRATING AND DOCUMENTING CONTINUOUS COMPLIANCE. 30 TAC CHAPTER 115 (REG V) PRODUCT STORED = VOC OTHER THAN CRUDE OIL OR CONDENSATE 30 TAC CHAPTER 115 (REG V) STORAGE CAPACITY = CAPACITY GREATER THAN 1,000 GALLONS AND LESS THAN OR EQUAL TO 25,000 GALLONS REG V - STORAGE VESSELS CONSTRUCTION DATE = ON/AFTER MAY 12, 1973 30 TAC CHAPTER (REG V) 115 TANK DESCRIPTION = TANK/VESSEL USING VAPOR RECOVERY SYSTEM TRUE VAPOR PRESSURE (TVP) AT STORAGE CONDITIONS [REG V] = TRUE VAPOR PRESSURE GREATER THAN OR EQUAL TO 1.5 PSIA 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = FLARE
MRU3746	40 CFR Part 60, Subpart Kb	60KB	40 CFR 60 (NSPS) SUBPART KB PRODUCT STORED = VOLATILE ORGANIC LIQUID

			40 CFR 60 (NSPS) SUBPART KB STORAGE CAPACITY = CAPACITY LESS THAN 10,600 GALLONS (40,125 LITERS) ('PRODUCT STORED' OTHER THAN "PTCD-BF3") 40 CFR 60 (NSPS) SUBPART KB MAXIMUM TRUE VAPOR PRESSURE (TVP) = TRUE VAPOR PRESSURE GREATER THAN OR EQUAL TO 0.75 PSIA AND LESS THAN 11.1 PSIA
MRU3747	30 TAC Chapter 115, Storage of VOCs	R5112	ALTERNATE CONTROL REQUIREMENT [REG V] = NOT USING ALTERNATE METHOD FOR DEMONSTRATING AND DOCUMENTING CONTINUOUS COMPLIANCE. 30 TAC CHAPTER 115 (REG V) PRODUCT STORED = VOC OTHER THAN CRUDE OIL OR CONDENSATE 30 TAC CHAPTER 115 (REG V) STORAGE CAPACITY = CAPACITY GREATER THAN 1,000 GALLONS AND LESS THAN OR EQUAL TO 25,000 GALLONS REG V - STORAGE VESSELS CONSTRUCTION DATE = ON/AFTER MAY 12, 1973 30 TAC CHAPTER (REG V) 115 TANK DESCRIPTION = TANK/VESSEL USING VAPOR RECOVERY SYSTEM TRUE VAPOR PRESSURE (TVP) AT STORAGE CONDITIONS [REG V] = TRUE VAPOR PRESSURE GREATER THAN OR EQUAL TO 1.5 PSIA 30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = FLARE
MRU3747	40 CFR Part 60, Subpart Kb	60KB	40 CFR 60 (NSPS) SUBPART KB PRODUCT STORED = VOLATILE ORGANIC LIQUID 40 CFR 60 (NSPS) SUBPART KB STORAGE CAPACITY = CAPACITY GREATER THAN OR EQUAL TO 10,600 GALLONS (40,125 LITERS) AND LESS THAN 19,800 GALLONS (74,951 LITERS) ('PRODUCT STORED' OTHER THAN "PTCD-BF3") 40 CFR 60 (NSPS) SUBPART KB MAXIMUM TRUE VAPOR PRESSURE (TVP) = TRUE VAPOR PRESSURE GREATER THAN OR EQUAL TO 0.75 PSIA AND LESS THAN 11.1 PSIA 40 CFR 60 (NSPS) SUBPART KB STORAGE VESSEL DESCRIPTION = CLOSED VENT SYSTEM WITH A FLARE USED AS THE CONTROL DEVICE (FIXED ROOF)
MRU3747	40 CFR Part 63, Subpart FFFF	63FFFF	PROCESS WASTEWATER = TANK RECEIVES, MANAGES OR TREATS PROCESS WASTEWATER AS DEFINED IN 40 CFR PART 63, SUBPART F MEETS § 63.149(D) = TANK DOES NOT MEET THE CRITERIA IN 40 CFR § 63.149(D) OR (E)(2)
REGVLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-1	30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = NO CONTROL DEVICE 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = OTHER FACILITY TYPE ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = NO ALTERNATE CONTROL REQUIREMENTS ARE BEING UTILIZED VAPOR TIGHT = ALL LIQUID AND VAPOR LINES FOR THIS TRANSFER OPERATION ARE EQUIPPED WITH FITTINGS WHICH MAKE VAPOR-TIGHT CONNECTIONS THAT CLOSE AUTOMATICALLY WHEN DISCONNECTED PRODUCT TRANSFERRED = VOLATILE ORGANIC COMPOUNDS (VOC) OTHER THAN LPG AND GASOLINE TRANSFER TYPE = LOADING AND UNLOADING TRUE VAPOR PRESSURE [REG V] = TVP GREATER THAN OR EQUAL TO 0.5 PSIA (BEAUMONT/PORT ARTHUR DALLAS/FORT WORTH EL PASO HOUSTON/GALVESTON AREAS) DAILY THROUGHPUT [REG V] = DAILY THROUGHPUT NOT DETERMINED, 115.217(A)(5) EXEMPTION NOT USED CONTROL OPTIONS = VAPOR BALANCE SYSTEM
REGVLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-2	30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = NO CONTROL DEVICE 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = OTHER FACILITY TYPE

			ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = NO ALTERNATE CONTROL REQUIREMENTS ARE BEING UTILIZED VAPOR TIGHT = ALL LIQUID AND VAPOR LINES FOR THIS TRANSFER OPERATION ARE EQUIPPED WITH FITTINGS WHICH MAKE VAPOR-TIGHT CONNECTIONS THAT CLOSE AUTOMATICALLY WHEN DISCONNECTED PRODUCT TRANSFERRED = VOLATILE ORGANIC COMPOUNDS (VOC) OTHER THAN LPG AND GASOLINE TRANSFER TYPE = LOADING AND UNLOADING TRUE VAPOR PRESSURE [REG V] = TVP GREATER THAN OR EQUAL TO 0.5 PSIA (BEAUMONT/PORT ARTHUR DALLAS/FORT WORTH EL PASO HOUSTON/GALVESTON AREAS) DAILY THROUGHPUT [REG V] = DAILY THROUGHPUT NOT DETERMINED, 115.217(A)(5) EXEMPTION NOT USED CONTROL OPTIONS = PRESSURIZED LOADING SYSTEM
REGVLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-3	30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = VAPOR CONTROL SYSTEM WITH A FLARE 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = OTHER FACILITY TYPE ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = NO ALTERNATE CONTROL REQUIREMENTS ARE BEING UTILIZED VAPOR TIGHT = ALL LIQUID AND VAPOR LINES FOR THIS TRANSFER OPERATION ARE EQUIPPED WITH FITTINGS WHICH MAKE VAPOR-TIGHT CONNECTIONS THAT CLOSE AUTOMATICALLY WHEN DISCONNECTED PRODUCT TRANSFERRED = VOLATILE ORGANIC COMPOUNDS (VOC) OTHER THAN LPG AND GASOLINE TRANSFER TYPE = LOADING AND UNLOADING TRUE VAPOR PRESSURE [REG V] = TVP GREATER THAN OR EQUAL TO 0.5 PSIA (BEAUMONT/PORT ARTHUR DALLAS/FORT WORTH EL PASO HOUSTON/GALVESTON AREAS) DAILY THROUGHPUT [REG V] = DAILY THROUGHPUT NOT DETERMINED, 115.217(A)(5) EXEMPTION NOT USED CONTROL OPTIONS = VAPOR CONTROL SYSTEM THAT MAINTAINS A CONTROL EFFICIENCY OF AT LEAST 98%
REGVLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-4	30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = VAPOR CONTROL SYSTEM WITH A FLARE 30 TAC CHAPTER 115 (REG V) FACILITY TYPE = OTHER FACILITY TYPE ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = NO ALTERNATE CONTROL REQUIREMENTS ARE BEING UTILIZED VAPOR TIGHT = ALL LIQUID AND VAPOR LINES FOR THIS TRANSFER OPERATION ARE EQUIPPED WITH FITTINGS WHICH MAKE VAPOR-TIGHT CONNECTIONS THAT CLOSE AUTOMATICALLY WHEN DISCONNECTED PRODUCT TRANSFERRED = VOLATILE ORGANIC COMPOUNDS (VOC) OTHER THAN LPG AND GASOLINE TRANSFER TYPE = LOADING AND UNLOADING TRUE VAPOR PRESSURE [REG V] = TVP GREATER THAN OR EQUAL TO 0.5 PSIA (BEAUMONT/PORT ARTHUR DALLAS/FORT WORTH EL PASO HOUSTON/GALVESTON AREAS) DAILY THROUGHPUT [REG V] = DAILY THROUGHPUT NOT DETERMINED, 115.217(A)(5) EXEMPTION NOT USED CONTROL OPTIONS = VAPOR CONTROL SYSTEM THAT MAINTAINS A CONTROL EFFICIENCY OF AT LEAST 98%
REGVLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-5	30 TAC CHAPTER 115 (REG V) FACILITY TYPE = OTHER FACILITY TYPE ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = NO ALTERNATE CONTROL REQUIREMENTS ARE BEING UTILIZED PRODUCT TRANSFERRED = VOLATILE ORGANIC COMPOUNDS (VOC) OTHER THAN LPG AND GASOLINE TRANSFER TYPE = LOADING AND UNLOADING TRUE VAPOR PRESSURE [REG V] = TVP LESS THAN 0.5 PSIA (BEAUMONT/PORT ARTHUR DALLAS/FORT WORTH EL PASO HOUSTON/GALVESTON AREAS)

L3FLARE	30 TAC Chapter 111, Visible Emissions	R111-1	ACID GASES ONLY [REG I] = FLARE NOT USED ONLY AS ACID GAS FLARE AS DEFINED IN 30 TAC 101.1 EMERGENCY/UPSET CONDITIONS ONLY [REG I] = FLARE IS USED DURING OTHER THAN UNDER EMERGENCY OR UPSET CONDITIONS
L3FLARE	40 CFR Part 60, Subpart A	60A-1	SUBJECT TO 40 CFR 60.18 = FLARE IS USED TO COMPLY WITH ANY SUBPARTS OF 40 CFR PART 60 (NSPS), 40 CFR PART 61 (NESHAP), OR 40 CFR PART 63 (MACTS) ADHERING TO HEAT CONTENT SPECIFICATIONS = OWNER/OPERATOR ADHERING TO HEAT CONTENT REQUIREMENTS IN 60.18(C)(3)(II) AND TIP VELOCITY IN 60.18(C)(4) FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = STEAM-ASSISTED FLARE EXIT VELOCITY [NSPS A, NESHAP A, AND/OR MACT A] = FLARE EXIT VELOCITY LESS THAN 60 FEET PER SECOND ('FLARE ASSIST TYPE' = "STEAM" OR "NONE")
Q1FLARE	30 TAC Chapter 111, Visible Emissions	R111-1	ACID GASES ONLY [REG I] = FLARE NOT USED ONLY AS ACID GAS FLARE AS DEFINED IN 30 TAC 101.1 EMERGENCY/UPSET CONDITIONS ONLY [REG I] = FLARE IS USED DURING OTHER THAN UNDER EMERGENCY OR UPSET CONDITIONS
Q1FLARE	40 CFR Part 60, Subpart A	60A-1	SUBJECT TO 40 CFR 60.18 = FLARE IS USED TO COMPLY WITH ANY SUBPARTS OF 40 CFR PART 60 (NSPS), 40 CFR PART 61 (NESHAP), OR 40 CFR PART 63 (MACTS) ADHERING TO HEAT CONTENT SPECIFICATIONS = OWNER/OPERATOR ADHERING TO HEAT CONTENT REQUIREMENTS IN 60.18(C)(3)(II) AND TIP VELOCITY IN 60.18(C)(4) FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = STEAM-ASSISTED FLARE EXIT VELOCITY [NSPS A, NESHAP A, AND/OR MACT A] = FLARE EXIT VELOCITY LESS THAN 60 FEET PER SECOND ('FLARE ASSIST TYPE' = "STEAM" OR "NONE")
L3FUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-2	30 TAC 115.352 APPLICABLE [REG V] = SITE IS A PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER, RESIN OR METHYL TERT-BUTYL ETHER (MTBE) MANUFACTURING PROCESS OR NATURAL GAS/GASOLINE PROCESSING OPERATION AS DEFINED IN 30 TAC 115.10 COMPRESSOR SEALS/VOC SERVICE [REG V] = YES FLANGES = YES OPEN-ENDED VALVES ANDLINES = YES PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES PROCESS DRAINS/VOC SERVICE [REG V] = YES PUMP SEALS IN VOC SERVICE [REG V] = YES RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE. VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES AND LINES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP OF 0 .044 PSIA OR LESS AT 68° FAHRENHEIT VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = YES ACR FOR FLANGES = NO ALTERNATE CONTROL REQUIREMENT (ACR)-- VALVES [REG V] = NO

			ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO ALTERNATE CONTROL REQUIREMENT (ACR)--PROCESS DRAINS [REG V] = NO ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO INSTRUMENTATION SYSTEMS = FUGITIVE UNIT HAS INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169 LESS THAN 250 COMPONENTS AT SITE [REG V] = FUGITIVE UNIT NOT LOCATED AT SITE WITH LESS THAN 250 FUGITIVE COMPONENTS VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA AT 68° FAHRENHEIT SAMPLING CONNECTON SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169 VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES = INCLUDES VALVES RATED GREATER THAN 10,000 PSIG WHICH CONTACT A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA AT 68° FAHRENHEIT WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 10% VOC BY WEIGHT (PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER RESIN OR MTBE MANUFACTURING PROCESSES) COMPLYING WITH §115.352(1) = YES COMPLYING W/ 30 TAC 115.352(1)--PROCESS DRAINS = YES MEETS 30 TAC § 115.357(9)(B) OR (C) = YES RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT HAS COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP LESS THAN OR EQUAL TO 0.044 PSIA COMPONENTS IN VACUUM SERVICE AND OTHER EXEMPT EQUIPMENT [REG V] = SITE HAS ONE OR MORE OF THE FOLLOWING: STORAGE TANK VALVES, COMPONENTS IN CONTINUOUS VACUUM SERVICE OR VALVES THAT ARE NOT EXTERNALLY REGULATED MEETS §115.357(3) OR (4) AND COMPLIES WITH §115.352(1) = YES MEETS §115.357(4) AND COMPLIES WITH §115.352(1) = YES TVP LESS THAN OR EQUAL TO 0.044 PSIA AT 68 DEGREES F--PROCESS DRAINS [REG V] = PROCESS FLUID HAS A TRUE VAPOR PRESSURE (TVP) LESS THAN OR EQUAL TO 0.044 PSIA AT 68 DEGREES FAHRENHEIT TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = YES VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA REMAINING SEALS COMPLY WITH 115.352(1)--COMPRESSOR SEALS [REG V] = YES

			REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES TVP GREATER THAN 0.044 PSIA AT 68 DEGREES F--PROCESS DRAINS [REG V] = PROCESS FLUID HAS A TRUE VAPOR PRESSURE (TVP) GREATER THAN 0.044 PSIA AT 68 DEGREES FAHRENHEIT TVP OF PROCESS FLUID > 0.044 PSIA = YES TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED GREATER THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED GREATER THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA
L3FUG	40 CFR Part 60, Subpart DDD	60DDD-1	MANUFACTURED PRODUCT [NSPS DDD] = POLYPROPYLENE OR POLYETHYLENE CONTINUOUS PROCESS [NSPS DDD] = THE AFFECTED FACILITY IS A CONTINUOUS PROCESS 40 CFR 60 (NSPS) SUBPART DDD CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = ON/BEFORE SEPTEMBER 30, 1987
L3FUGUU	40 CFR Part 63, Subpart FFFF	63FFFF	EXISTING SOURCE = FUGITIVE UNIT CONTAINS EQUIPMENT IN AN EXISTING MISCELLANEOUS CHEMICAL PROCESSING UNIT
MRUFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-1	30 TAC 115.352 APPLICABLE [REG V] = SITE IS A PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER, RESIN OR METHYL TERT-BUTYL ETHER (MTBE) MANUFACTURING PROCESS OR NATURAL GAS/GASOLINE PROCESSING OPERATION AS DEFINED IN 30 TAC 115.10 COMPRESSOR SEALS/VOC SERVICE [REG V] = NO FLANGES = YES OPEN-ENDED VALVES ANDLINES = YES PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES PROCESS DRAINS/VOC SERVICE [REG V] = NO PUMP SEALS IN VOC SERVICE [REG V] = YES RUPTURE DISKS = NO RELIEF VALVES WITH RUPTURE DISK OR VENTO TO A CONTROL DEVICE VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES AND LINES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP OF 0 .044 PSIA OR LESS AT 68° FAHRENHEIT VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = YES ACR FOR FLANGES = NO ALTERNATE CONTROL REQUIREMENT (ACR)-- VALVES [REG V] = NO ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169 LESS THAN 250 COMPONENTS AT SITE [REG V] = FUGITIVE UNIT NOT LOCATED AT SITE WITH LESS THAN 250 FUGITIVE COMPONENTS VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA AT 68° FAHRENHEIT SAMPLING CONNECTON SYSTEMS = FUGITIVE UNIT DOES NOT HAVE SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169 WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 10% VOC BY WEIGHT

			(PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER RESIN OR MTBE MANUFACTURING PROCESSES) COMPLYING WITH §115.352(1) = YES MEETS 30 TAC § 115.357(9)(B) OR (C) = YES RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT HAS COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP LESS THAN OR EQUAL TO 0.044 PSIA COMPONENTS IN VACUUM SERVICE AND OTHER EXEMPT EQUIPMENT [REG V] = SITE HAS ONE OR MORE OF THE FOLLOWING: STORAGE TANK VALVES, COMPONENTS IN CONTINUOUS VACUUM SERVICE OR VALVES THAT ARE NOT EXTERNALLY REGULATED MEETS §115.357(4) AND COMPLIES WITH §115.352(1) = YES TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = YES VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP LESS THAN OR EQUAL TO 0.044 PSIA VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES TVP OF PROCESS FLUID > 0.044 PSIA = YES TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA
MRUFUG	40 CFR Part 60, Subpart DDD	60DDD-1	FLANGES AND OTHER CONNECTORS (ANY SERVICE) [NSPS DDD] = NO FLANGES OR CONNECTORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. FLARE = USING A FLARE FOR CONTROL MANUFACTURED PRODUCT [NSPS DDD] = POLYPROPYLENE OR POLYETHYLENE OPEN-ENDED VALVES OR LINES (ANY SERVICE) [NSPS DDD] = NO OPEN-ENDED VALVES OR LINES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE [NSPS DDD] = PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. PUMPS IN LIGHT LIQUID SERVICE [NSPS DDD] = PUMPS IN LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE [NSPS DDD] = VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. VAPOR RECOVERY SYSTEM = NOT USING A VAPOR RECOVERY SYSTEM FOR CONTROL CONTINUOUS PROCESS [NSPS DDD] = THE AFFECTED FACILITY IS A CONTINUOUS PROCESS

			EEL = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--OPEN-ENDED VALVES OR LINES [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS LIGHT LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--VALVES GAS/VAPOR, LIGHT LIQUID SVC [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). 40 CFR 60 (NSPS) SUBPART DDD CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = AFTER JANUARY 10, 1989 40 CFR 60 (NSPS) SUBPART DDD DESIGN CAPACITY = FACILITY HAS DESIGN CAPACITY TO PRODUCE GREATER THAN OR EQUAL TO 1,000 MEGAGRAMS PER YEAR COMPLYING WITH § 60.482-2 = YES COMPLYING WITH § 60.482-7 = YES COMPLYING WITH § 60.482-8 = YES COMPLYING WITH §60.482-10 = YES CLOSED VENT SYSTEMS AND CONTROL DEVICES (ANY SERVICE) [NSPS DDD] = CLOSED VENT SYSTEM AND CONTROL DEVICES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. COMPLYING WITH § 60.482-8 = YES COMPRESSORS (ANY SERVICE) [NSPS DDD] = NO COMPRESSORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. EQUIPMENT IN VACUUM SERVICE = NO PUMPS IN HEAVY LIQUID SERVICE [NSPS DDD] = NO PUMPS IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. VALVES IN HEAVY LIQUID SERVICE [NSPS DDD] = VALVES IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. ENCLOSED COMBUSTION DEV. = NOT USING AN ENCLOSED COMBUSTION DEVICE FOR CONTROL EQUIVALENT EMISSION LIMITATION (EEL)-[NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--VALVES HEAVY LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). SAMPLING CONNECTION SYSTEMS (ANY SERVICE) [NSPS DDD] = SAMPLING CONNECTION SYSTEMS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. EQUIVALENT EMISSION LIMITATION (EEL)--SAMPLING CONNECTION SYSTEMS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). COMPLYING WITH § 60.482-8 = YES COMPLYING WITH §60.482-10 = YES COMPLYING WITH § 60.482-5 = YES
Q1FUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-1	30 TAC 115.352 APPLICABLE [REG V] = SITE IS A PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER, RESIN OR METHYL TERT-BUTYL ETHER (MTBE) MANUFACTURING PROCESS OR NATURAL GAS/GASOLINE PROCESSING OPERATION AS DEFINED IN 30 TAC 115.10 COMPRESSOR SEALS/VOC SERVICE [REG V] = YES FLANGES = YES OPEN-ENDED VALVES ANDLINES = YES

			PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES
			PROCESS DRAINS/VOC SERVICE [REG V] = NO
			PUMP SEALS IN VOC SERVICE [REG V] = YES
			RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.
			VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES AND LINES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP OF 0
			.044 PSIA OR LESS AT 68° FAHRENHEIT
			VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = YES
			ACR FOR FLANGES = NO
			ALTERNATE CONTROL REQUIREMENT (ACR)-- VALVES [REG V] = NO
			ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO
			INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169
			LESS THAN 250 COMPONENTS AT SITE [REG V] = FUGITIVE UNIT NOT LOCATED AT SITE WITH LESS THAN 250 FUGITIVE COMPONENTS
			VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA AT 68° FAHRENHEIT
			SAMPLING CONNECTON SYSTEMS = FUGITIVE UNIT DOES NOT HAVE SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169
			WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 10% VOC BY WEIGHT (PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER RESIN OR MTBE MANUFACTURING PROCESSES)
			COMPLYING WITH §115.352(1) = YES
			MEETS 30 TAC § 115.357(9)(B) OR (C) = YES
			RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS
			TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT HAS COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS
			TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES
			TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES
			VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP LESS THAN OR EQUAL TO 0.044 PSIA
			COMPONENTS IN VACUUM SERVICE AND OTHER EXEMPT EQUIPMENT [REG V] = SITE HAS ONE OR MORE OF THE FOLLOWING: STORAGE TANK VALVES, COMPONENTS IN CONTINUOUS VACUUM SERVICE OR VALVES THAT ARE NOT EXTERNALLY REGULATED
			MEETS §115.357(3) OR (4) AND COMPLIES WITH §115.352(1) = YES
			MEETS §115.357(4) AND COMPLIES WITH §115.352(1) = YES
			TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES
			TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = YES
			VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA
			VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES

			RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP LESS THAN OR EQUAL TO 0.044 PSIA REMAINING SEALS COMPLY WITH 115.352(1)--COMPRESSOR SEALS [REG V] = YES REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES TVP OF PROCESS FLUID > 0.044 PSIA = YES TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA
Q1FUG	40 CFR Part 60, Subpart DDD	60DDD-1	FLANGES AND OTHER CONNECTORS (ANY SERVICE) [NSPS DDD] = FLANGES OR CONNECTORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. FLARE = USING A FLARE FOR CONTROL MANUFACTURED PRODUCT [NSPS DDD] = POLYPROPYLENE OR POLYETHYLENE OPEN-ENDED VALVES OR LINES (ANY SERVICE) [NSPS DDD] = OPEN-ENDED VALVES OR LINES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE [NSPS DDD] = PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. PUMPS IN LIGHT LIQUID SERVICE [NSPS DDD] = PUMPS IN LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE [NSPS DDD] = VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. VAPOR RECOVERY SYSTEM = USING A VAPOR RECOVERY SYSTEM FOR CONTROL CONTINUOUS PROCESS [NSPS DDD] = THE AFFECTED FACILITY IS A CONTINUOUS PROCESS EEL = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--FLANGES AND OTHER CONNECTORS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--OPEN-ENDED VALVES OR LINES [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS LIGHT LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--VALVES GAS/VAPOR, LIGHT LIQUID SVC [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). 40 CFR 60 (NSPS) SUBPART DDD CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = AFTER JANUARY 10, 1989 40 CFR 60 (NSPS) SUBPART DDD DESIGN CAPACITY = FACILITY HAS DESIGN CAPACITY TO PRODUCE GREATER THAN OR EQUAL TO 1,000 MEGAGRAMS PER YEAR COMPLYING WITH § 60.482-2 = YES COMPLYING WITH § 60.482-6 = YES COMPLYING WITH § 60.482-7 = YES COMPLYING WITH § 60.482-8 = YES COMPLYING WITH §60.482-10 = YES CLOSED VENT SYSTEMS AND CONTROL DEVICES (ANY SERVICE) [NSPS DDD] = CLOSED VENT SYSTEM AND CONTROL DEVICES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. COMPLYING WITH § 60.482-8 = YES

			COMPRESSORS (ANY SERVICE) [NSPS DDD] = COMPRESSORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. EQUIPMENT IN VACUUM SERVICE = NO PUMPS IN HEAVY LIQUID SERVICE [NSPS DDD] = PUMPS IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. VALVES IN HEAVY LIQUID SERVICE [NSPS DDD] = VALVES IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. ENCLOSED COMBUSTION DEV. = USING AN ENCLOSED COMBUSTION DEVICE FOR CONTROL EQUIVALENT EMISSION LIMITATION (EEL)-[NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--COMPRESSORS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS HEAVY LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--VALVES HEAVY LIQUID SERVICE [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). SAMPLING CONNECTION SYSTEMS (ANY SERVICE) [NSPS DDD] = SAMPLING CONNECTION SYSTEMS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART DDD INCLUDED IN THE FUGITIVE UNIT. EEL = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). EQUIVALENT EMISSION LIMITATION (EEL)--SAMPLING CONNECTION SYSTEMS [NSPS DDD] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL). COMPLYING WITH § 60.482-3 = YES COMPLYING WITH § 60.482-8 = YES COMPLYING WITH §60.482-10 = YES COMPLYING WITH § 60.482-5 = YES COMPLYING WITH §60.482-10 = YES
Q1FUG	40 CFR Part 60, Subpart VV	n/a	PRODUCES CHEMICALS LISTED IN 40 CFR 60.489 = DOES NOT PRODUCE ANY CHEMICAL LISTED IN 40 CFR 60.489 AS INTERMEDIATE OR FINAL PRODUCT
UTFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-1	30 TAC 115.352 APPLICABLE [REG V] = SITE IS A PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER, RESIN OR METHYL TERT-BUTYL ETHER (MTBE) MANUFACTURING PROCESS OR NATURAL GAS/GASOLINE PROCESSING OPERATION AS DEFINED IN 30 TAC 115.10 COMPRESSOR SEALS/VOC SERVICE [REG V] = NO FLANGES = YES OPEN-ENDED VALVES ANDLINES = YES PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES PROCESS DRAINS/VOC SERVICE [REG V] = NO PUMP SEALS IN VOC SERVICE [REG V] = NO RUPTURE DISKS = NO RELIEF VALVES WITH RUPTURE DISK OR VENTO TO A CONTROL DEVICE VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES AND LINES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP OF 0 .044 PSIA OR LESS AT 68° FAHRENHEIT VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = YES ACR FOR FLANGES = NO

			ALTERNATE CONTROL REQUIREMENT (ACR)-- VALVES [REG V] = NO ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169 LESS THAN 250 COMPONENTS AT SITE [REG V] = FUGITIVE UNIT NOT LOCATED AT SITE WITH LESS THAN 250 FUGITIVE COMPONENTS VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA AT 68° FAHRENHEIT SAMPLING CONNECTON SYSTEMS = FUGITIVE UNIT DOES NOT HAVE SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169 WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 10% VOC BY WEIGHT (PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER RESIN OR MTBE MANUFACTURING PROCESSES) COMPLYING WITH §115.352(1) = YES MEETS 30 TAC § 115.357(9)(B) OR (C) = YES RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT HAS COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP LESS THAN OR EQUAL TO 0.044 PSIA VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP LESS THAN OR EQUAL TO 0.044 PSIA COMPONENTS IN VACUUM SERVICE AND OTHER EXEMPT EQUIPMENT [REG V] = SITE HAS ONE OR MORE OF THE FOLLOWING: STORAGE TANK VALVES, COMPONENTS IN CONTINUOUS VACUUM SERVICE OR VALVES THAT ARE NOT EXTERNALLY REGULATED TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = YES VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED GREATER THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA TVP OF PROCESS FLUID > 0.044 PSIA = YES TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES
UTMTRFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-1	30 TAC 115.352 APPLICABLE [REG V] = SITE IS A PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER, RESIN OR METHYL TERT-BUTYL ETHER (MTBE) MANUFACTURING PROCESS OR NATURAL GAS/GASOLINE PROCESSING OPERATION AS DEFINED IN 30 TAC 115.10 COMPRESSOR SEALS/VOC SERVICE [REG V] = NO FLANGES = YES OPEN-ENDED VALVES ANDLINES = YES PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES PROCESS DRAINS/VOC SERVICE [REG V] = NO PUMP SEALS IN VOC SERVICE [REG V] = NO

			RUPTURE DISKS = NO RELIEF VALVES WITH RUPTURE DISK OR VENTO TO A CONTROL DEVICE VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES AND LINES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP OF 0 .044 PSIA OR LESS AT 68° FAHRENHEIT VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = YES ACR FOR FLANGES = NO ALTERNATE CONTROL REQUIREMENT (ACR)-- VALVES [REG V] = NO ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169 LESS THAN 250 COMPONENTS AT SITE [REG V] = FUGITIVE UNIT NOT LOCATED AT SITE WITH LESS THAN 250 FUGITIVE COMPONENTS VALVE RATING AND TVP OF PROCESS FLUID - OPEN-ENDED VALVES = INCLUDES VALVES RATED AT 10,000 PSIG OR LESS WHICH CONTACT A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA AT 68° FAHRENHEIT SAMPLING CONNECTON SYSTEMS = FUGITIVE UNIT DOES NOT HAVE SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169 WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 10% VOC BY WEIGHT (PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER RESIN OR MTBE MANUFACTURING PROCESSES) COMPLYING WITH §115.352(1) = YES MEETS 30 TAC § 115.357(9)(B) OR (C) = YES RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT HAS COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP LESS THAN OR EQUAL TO 0.044 PSIA VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP LESS THAN OR EQUAL TO 0.044 PSIA COMPONENTS IN VACUUM SERVICE AND OTHER EXEMPT EQUIPMENT [REG V] = SITE HAS ONE OR MORE OF THE FOLLOWING: STORAGE TANK VALVES, COMPONENTS IN CONTINUOUS VACUUM SERVICE OR VALVES THAT ARE NOT EXTERNALLY REGULATED TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = YES TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = YES VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - ACCESSIBLE VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA VALVE RATING AND TRUE VAPOR PRESSURE OF PROCESS FLUID VOC - PRESSURE RELIEF VALVES = VALVES RATED LESS THAN 10,000 PSIG, CONTACTING A PROCESS FLUID WITH A TVP GREATER THAN 0.044 PSIA TVP OF PROCESS FLUID > 0.044 PSIA = YES TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES
MONHEL1CT	40 CFR Part 63, Subpart FFFF	63FFFF	HEAT EXCHANGE SYSTEM = PROCESS UNIT HAS HEAT EXCHANGE SYSTEMS SUBJECT TO § 63.2490
Q1V34001	30 TAC Chapter 115, Water Separation	R5131-1	ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = EXECUTIVE DIRECTOR (OR EPA ADMINISTRATOR) HAS NOT APPROVED AN ALTERNATE CONTROL REQUIREMENT OR EXEMPTION CRITERIA IN ACCORDANCE WITH 30 TAC

			115.910 EXEMPTION FROM CONTROL REQUIREMENTS OF 115.132 [REG V] = ANY SINGLE OR MULTIPLE COMPARTMENT VOC WATER SEPARATOR WHICH SEPARATES MAT'LS W/ TVP LESS THAN 0.5 PSIA (3.4 KPA) OBTAINED FROM ANY EQUIPMENT (BEAUMONT/PORT ARTHUR, DALLAS/FORT WORTH, EL PASO OR HOUSTON/GALVESTON OZONE NONATTAINMENT AREA)
Q1V34001	40 CFR Part 63, Subpart VV	<blank>	CONTROL [MACT VV] = OIL-WATER OR ORGANIC-WATER SEPARATOR FOR WHICH NO OTHER SUBPART OF 40 CFR 60, 61, OR 63 REFERENCES THE USE OF 40 CFR 63 SUBPART VV (MACT VV)
L3E4450	30 TAC Chapter 115, Vent Gas Controls	R5121-3	CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH NO MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED VOC CONCENTRATION OR EMISSION RATE AT MAXIMUM OPERATING CONDITIONS = THE VOC CONCENTRATION OR EMISSION RATE IS LESS THAN THE APPLICABLE EXEMPTION LIMIT AT MAXIMUM ACTUAL OPERATING CONDITIONS AND ALTERNATE RECORDKEEPING REQUIREMENTS ARE BEING SELECTED.
L3E4451	30 TAC Chapter 115, Vent Gas Controls	R5121-3	CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH NO MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED VOC CONCENTRATION OR EMISSION RATE AT MAXIMUM OPERATING CONDITIONS = THE VOC CONCENTRATION OR EMISSION RATE IS LESS THAN THE APPLICABLE EXEMPTION LIMIT AT MAXIMUM ACTUAL OPERATING CONDITIONS AND ALTERNATE RECORDKEEPING REQUIREMENTS ARE BEING SELECTED.
L3FLARECV	30 TAC Chapter 115, Vent Gas Controls	R5121-2	ALTERNATE CONTROL REQUIREMENT [REG V] = ALTERNATE CONTROL NOT USED CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. CONTROL DEVICE TYPE [REG V] = SMOKELESS FLARE VENT TYPE [REG V] = 30 TAC CHAPTER 115, SUBCHAPTER B, VENT GAS CONTROL RULES APPLY AND THE VENT TYPE IS NOT SPECIFICALLY CLASSIFIED UNDER THE RULE.
L3FLARECV	40 CFR Part 63, Subpart FFFF	63FFFF	STREAM GROUP CONTINUOUS PROCESS VENT = CONTINUOUS VENT STREAM IS A GROUP 1 STREAM OR IS A COMBINED VENT STREAM CONTAINING A GROUP 1 CONTINUOUS PROCESS VENT STREAM AND NOT CONTAINING A GROUP 1 BATCH PROCESS VENT STREAM

L3J4211	30 TAC Chapter 115, Vent Gas Controls	R5121-3	CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH NO MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED VOC CONCENTRATION OR EMISSION RATE AT MAXIMUM OPERATING CONDITIONS = THE VOC CONCENTRATION OR EMISSION RATE IS LESS THAN THE APPLICABLE EXEMPTION LIMIT AT MAXIMUM ACTUAL OPERATING CONDITIONS AND ALTERNATE RECORDKEEPING REQUIREMENTS ARE BEING SELECTED.
L3J4262	30 TAC Chapter 115, Vent Gas Controls	R5121-3	CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH NO MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED VOC CONCENTRATION OR EMISSION RATE AT MAXIMUM OPERATING CONDITIONS = THE VOC CONCENTRATION OR EMISSION RATE IS LESS THAN THE APPLICABLE EXEMPTION LIMIT AT MAXIMUM ACTUAL OPERATING CONDITIONS AND ALTERNATE RECORDKEEPING REQUIREMENTS ARE BEING SELECTED.
L3L4205	30 TAC Chapter 115, Vent Gas Controls	R5121-3	CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH NO MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED VOC CONCENTRATION OR EMISSION RATE AT MAXIMUM OPERATING CONDITIONS = THE VOC CONCENTRATION OR EMISSION RATE IS LESS THAN THE APPLICABLE EXEMPTION LIMIT AT MAXIMUM ACTUAL OPERATING CONDITIONS AND ALTERNATE RECORDKEEPING REQUIREMENTS ARE BEING SELECTED.
L3L4205	40 CFR Part 63, Subpart FFFF	63FFFF	STREAM GROUP CONTINUOUS PROCESS VENT = CONTINUOUS VENT STREAM IS A GROUP 1 STREAM OR IS A COMBINED VENT STREAM CONTAINING A GROUP 1 CONTINUOUS PROCESS VENT STREAM AND NOT CONTAINING A GROUP 1 BATCH PROCESS VENT STREAM
L3SILOS	30 TAC Chapter 115, Vent Gas Controls	R5121-3	CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION,

			HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH NO MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED VOC CONCENTRATION OR EMISSION RATE AT MAXIMUM OPERATING CONDITIONS = THE VOC CONCENTRATION OR EMISSION RATE IS LESS THAN THE APPLICABLE EXEMPTION LIMIT AT MAXIMUM ACTUAL OPERATING CONDITIONS AND ALTERNATE RECORDKEEPING REQUIREMENTS ARE BEING SELECTED.
L3SILOS	40 CFR Part 63, Subpart FFFF	63FFFF	STREAM GROUP CONTINUOUS PROCESS VENT = CONTINUOUS VENT STREAM IS A GROUP 1 STREAM OR IS A COMBINED VENT STREAM CONTAINING A GROUP 1 CONTINUOUS PROCESS VENT STREAM AND NOT CONTAINING A GROUP 1 BATCH PROCESS VENT STREAM
L3V4251	30 TAC Chapter 115, Vent Gas Controls	R5121-3	CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH NO MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED VOC CONCENTRATION OR EMISSION RATE AT MAXIMUM OPERATING CONDITIONS = THE VOC CONCENTRATION OR EMISSION RATE IS LESS THAN THE APPLICABLE EXEMPTION LIMIT AT MAXIMUM ACTUAL OPERATING CONDITIONS AND ALTERNATE RECORDKEEPING REQUIREMENTS ARE BEING SELECTED.
Q1F01324	30 TAC Chapter 115, Vent Gas Controls	R5121-1	CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED COMBINED 24-HOUR VOC WEIGHT [REG V] = COMBINED VOC WEIGHT IS LESS THAN OR EQUAL TO 100 POUNDS (45.4 KILOGRAMS) VOC CONCENTRATION OR EMISSION RATE AT MAXIMUM OPERATING CONDITIONS = THE VOC CONCENTRATION OR EMISSION RATE IS LESS THAN THE APPLICABLE EXEMPTION LIMIT AT MAXIMUM ACTUAL OPERATING CONDITIONS AND ALTERNATE RECORDKEEPING REQUIREMENTS ARE BEING SELECTED.
Q1PROCESS	30 TAC Chapter 115, Vent Gas Controls	R5121-FLR	ALTERNATE CONTROL REQUIREMENT [REG V] = ALTERNATE CONTROL NOT USED CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. CONTROL DEVICE TYPE [REG V] = SMOKELESS FLARE VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED
Q1PROCESS	30 TAC Chapter 115, Vent Gas Controls	R5121-INC	ALTERNATE CONTROL REQUIREMENT [REG V] = ALTERNATE CONTROL NOT USED CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER

			DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. CONTROL DEVICE TYPE [REG V] = DIRECT FLAME INCINERATOR IN WHICH THE VENT GAS STREAM IS BURNED AT A TEMPERATURE GREATER THAN OR EQUAL 1300 DEGREES FAHRENHEIT (704 DEGREES CELSIUS) VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED
Q1V4010	30 TAC Chapter 115, Vent Gas Controls	R5121-2	CHAPTER 115 DIVISION = THE VENT STREAM DOES NOT ORIGINATE FROM A SOURCE FOR WHICH ANOTHER DIVISION IN 30 TAC CHAPTER 115 HAS ESTABLISHED A CONTROL REQUIREMENT, EMISSION SPECIFICATION OR EXEMPTION FOR THAT SOURCE. COMBUSTION EXHAUST = THE VENT STREAM IS NOT COMBUSTION UNIT EXHAUST FROM A COMBUSTION UNIT THAT IS NOT USED AS A CONTROL DEVICE FOR A VENT GAS STREAM SUBJECT TO 30 TAC CHAPTER 115, SUBCHAPTER B, DIVISION 2. VENT TYPE [REG V] = VENT GAS STREAM EMISSIONS OF ETHYLENE ASSOCIATED WITH THE FORMATION, HANDLING, AND STORAGE OF SOLIDIFIED LOW-DENSITY POLYETHYLENE IN WHICH MORE THAN 1.1 LBS OF ETHYLENE PER 1,000 LBS OF PRODUCT EMITTED COMBINED 24-HOUR VOC WEIGHT [REG V] = COMBINED VOC WEIGHT IS LESS THAN OR EQUAL TO 100 POUNDS (45.4 KILOGRAMS) VOC CONCENTRATION OR EMISSION RATE AT MAXIMUM OPERATING CONDITIONS = THE VOC CONCENTRATION OR EMISSION RATE IS LESS THAN THE APPLICABLE EXEMPTION LIMIT AT MAXIMUM ACTUAL OPERATING CONDITIONS AND ALTERNATE RECORDKEEPING REQUIREMENTS ARE BEING SELECTED.
UTBLRG	30 TAC Chapter 111, Visible Emissions	R1111-1	ALTERNATE OPACITY LIMITATION [REG I] = NOT ELECTING TO COMPLY WITH AN ALTERNATE OPACITY LIMITATION (AOL) UNDER 30 TAC 111.113 VENT SOURCE = THE VENT SOURCE CANNOT BE CATEGORIZED AS "SOLID", "OIL", OR "CATALYST REGENERATOR (FOR A FCCU)" OPACITY MONITORING SYSTEM [REG I] = OPTICAL INSTRUMENT CAPABLE OF MEASURING OPACITY OF EMISSIONS IS NOT INSTALLED IN THE VENT OR OPTICAL INSTRUMENTATION DOES NOT QUALIFY AS "OPMON" OR "EDEX". CONSTRUCTION DATE (FOR SOURCE ROUTING TO VENT) [REG I] = ON/BEFORE JANUARY 31, 1972 EFFLUENT FLOW RATE [REG I] = EFFLUENT FLOW RATE GREATER THAN OR EQUAL TO 100,000 ACTUAL CUBIC FEET PER MINUTE
UTBLRH	30 TAC Chapter 111, Visible Emissions	R1111-1	ALTERNATE OPACITY LIMITATION [REG I] = NOT ELECTING TO COMPLY WITH AN ALTERNATE OPACITY LIMITATION (AOL) UNDER 30 TAC 111.113 VENT SOURCE = THE VENT SOURCE CANNOT BE CATEGORIZED AS "SOLID", "OIL", OR "CATALYST REGENERATOR (FOR A FCCU)" OPACITY MONITORING SYSTEM [REG I] = OPTICAL INSTRUMENT CAPABLE OF MEASURING OPACITY OF EMISSIONS IS NOT INSTALLED IN THE VENT OR OPTICAL INSTRUMENTATION DOES NOT QUALIFY AS "OPMON" OR "EDEX". CONSTRUCTION DATE (FOR SOURCE ROUTING TO VENT) [REG I] = ON/BEFORE JANUARY 31, 1972 EFFLUENT FLOW RATE [REG I] = EFFLUENT FLOW RATE GREATER THAN OR EQUAL TO 100,000 ACTUAL CUBIC FEET PER MINUTE
DGRLAPPING	30 TAC Chapter 115, Degreasing Processes	R5412-1	30 TAC CHAPTER 115 (REG V) SOLVENT DEGREASING MACHINE TYPE = COLD SOLVENT CLEANING MACHINE ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = EXECUTIVE DIRECTOR HAS NOT APPROVED AN ALTERNATE CONTROL REQUIREMENT AS ALLOWED UNDER 30 TAC 115.413. SOLVENT SPRAYED [REG V] = SOLVENT IS NOT SPRAYED

			SOLVENT VAPOR PRESSURE [REG V] = LESS THAN OR EQUAL TO 0.6 PSIA AS MEASURED AT 100 DEGREES FAHRENHEIT [SOLVENT DEGREASING MACHINE TYPE = 'COLD' OR 'RRC-S'] SOLVENT HEATED = SOLVENT NOT HEATED TO A TEMPERATURE GREATER THAN 120 DEGREES FAHRENHEIT PARTS LARGER THAN DRAINAGE [REG V] = ANY CLEANED PART FOR WHICH MACHINE IS AUTHORIZED IS LARGER THAN INTERNAL DRAINAGE FACILITY OF MACHINE. DRAINAGE AREA [REG V] = AREA LESS THAN 16 SQUARE INCHES DISPOSAL IN ENCLOSED CONTAINERS [REG V] = WASTE SOLVENT PROPERLY DISPOSED OF IN ENCLOSED CONTAINERS
DGRMAINT	30 TAC Chapter 115, Degreasing Processes	R5412-1	30 TAC CHAPTER 115 (REG V) SOLVENT DEGREASING MACHINE TYPE = COLD SOLVENT CLEANING MACHINE ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = EXECUTIVE DIRECTOR HAS NOT APPROVED AN ALTERNATE CONTROL REQUIREMENT AS ALLOWED UNDER 30 TAC 115.413. SOLVENT SPRAYED [REG V] = SOLVENT IS NOT SPRAYED SOLVENT VAPOR PRESSURE [REG V] = LESS THAN OR EQUAL TO 0.6 PSIA AS MEASURED AT 100 DEGREES FAHRENHEIT [SOLVENT DEGREASING MACHINE TYPE = 'COLD' OR 'RRC-S'] SOLVENT HEATED = SOLVENT NOT HEATED TO A TEMPERATURE GREATER THAN 120 DEGREES FAHRENHEIT PARTS LARGER THAN DRAINAGE [REG V] = ANY CLEANED PART FOR WHICH MACHINE IS AUTHORIZED IS LARGER THAN INTERNAL DRAINAGE FACILITY OF MACHINE. DRAINAGE AREA [REG V] = AREA LESS THAN 16 SQUARE INCHES DISPOSAL IN ENCLOSED CONTAINERS [REG V] = WASTE SOLVENT PROPERLY DISPOSED OF IN ENCLOSED CONTAINERS
DGRMOBILE	30 TAC Chapter 115, Degreasing Processes	R5412-1	30 TAC CHAPTER 115 (REG V) SOLVENT DEGREASING MACHINE TYPE = COLD SOLVENT CLEANING MACHINE ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = EXECUTIVE DIRECTOR HAS NOT APPROVED AN ALTERNATE CONTROL REQUIREMENT AS ALLOWED UNDER 30 TAC 115.413. SOLVENT SPRAYED [REG V] = SOLVENT IS NOT SPRAYED SOLVENT VAPOR PRESSURE [REG V] = LESS THAN OR EQUAL TO 0.6 PSIA AS MEASURED AT 100 DEGREES FAHRENHEIT [SOLVENT DEGREASING MACHINE TYPE = 'COLD' OR 'RRC-S'] SOLVENT HEATED = SOLVENT NOT HEATED TO A TEMPERATURE GREATER THAN 120 DEGREES FAHRENHEIT PARTS LARGER THAN DRAINAGE [REG V] = ANY CLEANED PART FOR WHICH MACHINE IS AUTHORIZED IS LARGER THAN INTERNAL DRAINAGE FACILITY OF MACHINE. DRAINAGE AREA [REG V] = AREA LESS THAN 16 SQUARE INCHES DISPOSAL IN ENCLOSED CONTAINERS [REG V] = WASTE SOLVENT PROPERLY DISPOSED OF IN ENCLOSED CONTAINERS
DGRWBMURR	30 TAC Chapter 115, Degreasing Processes	R5121-3	30 TAC CHAPTER 115 (REG V) SOLVENT DEGREASING MACHINE TYPE = COLD SOLVENT CLEANING MACHINE ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = EXECUTIVE DIRECTOR HAS NOT APPROVED AN ALTERNATE CONTROL REQUIREMENT AS ALLOWED UNDER 30 TAC 115.413. SOLVENT SPRAYED [REG V] = SOLVENT IS NOT SPRAYED SOLVENT VAPOR PRESSURE [REG V] = LESS THAN OR EQUAL TO 0.6 PSIA AS MEASURED AT 100 DEGREES FAHRENHEIT [SOLVENT DEGREASING MACHINE TYPE = 'COLD' OR 'RRC-S'] SOLVENT HEATED = SOLVENT NOT HEATED TO A TEMPERATURE GREATER THAN 120 DEGREES FAHRENHEIT PARTS LARGER THAN DRAINAGE [REG V] = ANY CLEANED PART FOR WHICH MACHINE IS AUTHORIZED IS LARGER THAN INTERNAL DRAINAGE FACILITY OF MACHINE. DRAINAGE AREA [REG V] = AREA LESS THAN 16 SQUARE INCHES DISPOSAL IN ENCLOSED CONTAINERS [REG V] = WASTE SOLVENT PROPERLY DISPOSED OF IN ENCLOSED

			CONTAINERS
PRO-Q1	40 CFR Part 60, Subpart DDD	60DDD-CIVCF	CONTROL OF CONTINUOUS EMISSIONS [NSPS DDD] = ALL CONTINUOUS EMISSIONS ARE CONTROLLED IN AN EXISTING CONTROL DEVICE (AS DEFINED IN 40 CFR 60.561) EMERGENCY VENT [NSPS DDD] = EMISSIONS ARE NOT AN EMERGENCY VENT STREAM FROM A NEW MODIFIED OR RECONSTRUCTED FACILITY MANUFACTURED PRODUCT [NSPS DDD] = POLYPROPYLENE OR POLYETHYLENE POLYOLEFIN PRODUCTION [NSPS DDD] = NO POLYOLEFIN OR ONLY ONE POLYOLEFIN IS PRODUCED CONTINUOUS CONTROL DEVICE [NSPS DDD] = FLARE CONTINUOUS PROCESS [NSPS DDD] = AFFECTED FACILITY PROCESS IS CONTINUOUS EXISTING CONTROL DEVICE [NSPS DDD] = VENT STREAM IS CONTROLLED NOT IN AN EXISTING CONTROL DEVICE (AS DEFINED IN 40 CFR 60.561) WHICH HAS NOT BEEN RECONSTRUCTED REPLACED OR ITS OPERATING CONDITIONS MODIFIED AS A RESULT OF STATE OR LOCAL REGULATIONS PROCESS EMISSIONS [NSPS DDD] = PROCESS CONTAINS VENT GAS STREAMS SOME OF WHICH EMIT CONTINUOUSLY AND SOME EMIT INTERMITTENTLY CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS DDD] = AFTER JANUARY 10 1989 INTERMITTENT CONTROL DEVICE [NSPS DDD] = FLARE UNCONTROLLED ANNUAL EMISSIONS [NSPS DDD] = UNCONTROLLED ANNUAL EMISSIONS GREATER THAN OR EQUAL TO 1.6 MEGAGRAMS/YEAR (1.76 TONS/YEAR) ANNUAL EMISSIONS ENTERING CONTROL DEVICE [NSPS DDD] = ANNUAL EMISSIONS ENTERING CONTROL DEVICE GREATER THAN OR EQUAL TO CALCULATED THRESHOLD EMISSIONS (CTE) LEVELS CALCULATED IN 'TABLE 3' EXPERIMENTAL PROCESS LINE [NSPS DDD] = AFFECTED FACILITY IS NOT AN EXPERIMENTAL PROCESS LINE WEIGHT PERCENT TOTAL ORGANIC COMPOUNDS [NSPS DDD] = WEIGHT PERCENT TOTAL ORGANIC COMPOUNDS GREATER THAN OR EQUAL TO 0.10% 'TABLE 3' CONTROL REQUIREMENTS [NSPS DDD] = CALCULATIONS FROM 'TABLE 3' REQUIRE CONTROLS EMISSION REDUCTION FROM CONTROL DEVICE [NSPS DDD] = EXISTING CONTROL DEVICE (AS DEFINED IN 40 CFR 60.561) REDUCES EMISSIONS BY GREATER THAN OR EQUAL TO 98% OR LESS THAN EQUAL TO 20 PARTS PER MILLION BY VOLUME (PPMV) 'TABLE 2' THRESHOLD EMISSION RATES [NSPS DDD] = UNCONTROLLED EMISSION RATE GREATER THAN TO UNCONTROLLED THRESHOLD EMISSION RATES IN 'TABLE 2' OF 40 CFR 60.560
PRO-Q1	40 CFR Part 60, Subpart DDD	60DDD-CIVINC	CONTROL OF CONTINUOUS EMISSIONS [NSPS DDD] = ALL CONTINUOUS EMISSIONS ARE CONTROLLED IN AN EXISTING CONTROL DEVICE (AS DEFINED IN 40 CFR 60.561) EMERGENCY VENT [NSPS DDD] = EMISSIONS ARE NOT AN EMERGENCY VENT STREAM FROM A NEW MODIFIED OR RECONSTRUCTED FACILITY MANUFACTURED PRODUCT [NSPS DDD] = POLYPROPYLENE OR POLYETHYLENE POLYOLEFIN PRODUCTION [NSPS DDD] = NO POLYOLEFIN OR ONLY ONE POLYOLEFIN IS PRODUCED CONTINUOUS CONTROL DEVICE [NSPS DDD] = INCINERATOR OTHER THAN CATALYTIC INCINERATOR CONTINUOUS PROCESS [NSPS DDD] = AFFECTED FACILITY PROCESS IS CONTINUOUS EXISTING CONTROL DEVICE [NSPS DDD] = VENT STREAM IS CONTROLLED NOT IN AN EXISTING CONTROL DEVICE (AS DEFINED IN 40 CFR 60.561) WHICH HAS NOT BEEN RECONSTRUCTED REPLACED OR ITS OPERATING CONDITIONS MODIFIED AS A RESULT OF STATE OR LOCAL REGULATIONS PROCESS EMISSIONS [NSPS DDD] = PROCESS CONTAINS VENT GAS STREAMS SOME OF WHICH EMIT CONTINUOUSLY AND SOME EMIT INTERMITTENTLY CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS DDD] = AFTER JANUARY 10 1989

			INTERMITTENT CONTROL DEVICE [NSPS DDD] = INCINERATOR OTHER THAN CATALYTIC INCINERATOR UNCONTROLLED ANNUAL EMISSIONS [NSPS DDD] = UNCONTROLLED ANNUAL EMISSIONS GREATER THAN OR EQUAL TO 1.6 MEGAGRAMS/YEAR (1.76 TONS/YEAR) ANNUAL EMISSIONS ENTERING CONTROL DEVICE [NSPS DDD] = ANNUAL EMISSIONS ENTERING CONTROL DEVICE GREATER THAN OR EQUAL TO CALCULATED THRESHOLD EMISSIONS (CTE) LEVELS CALCULATED IN 'TABLE 3' EXPERIMENTAL PROCESS LINE [NSPS DDD] = AFFECTED FACILITY IS NOT AN EXPERIMENTAL PROCESS LINE WEIGHT PERCENT TOTAL ORGANIC COMPOUNDS [NSPS DDD] = WEIGHT PERCENT TOTAL ORGANIC COMPOUNDS GREATER THAN OR EQUAL TO 0.10% 'TABLE 3' CONTROL REQUIREMENTS [NSPS DDD] = CALCULATIONS FROM 'TABLE 3' REQUIRE CONTROLS EMISSION REDUCTION FROM CONTROL DEVICE [NSPS DDD] = EXISTING CONTROL DEVICE (AS DEFINED IN 40 CFR 60.561) REDUCES EMISSIONS BY GREATER THAN OR EQUAL TO 98% OR LESS THAN EQUAL TO 20 PARTS PER MILLION BY VOLUME (PPMV) 'TABLE 2' THRESHOLD EMISSION RATES [NSPS DDD] = UNCONTROLLED EMISSION RATE GREATER THAN TO UNCONTROLLED THRESHOLD EMISSION RATES IN 'TABLE 2' OF 40 CFR 60.560
PRO-Q1	40 CFR Part 60, Subpart DDD	60DDD-CVU	CONTROL OF CONTINUOUS EMISSIONS [NSPS DDD] = ALL VENT GAS STREAMS ARE UNCONTROLLED MANUFACTURED PRODUCT [NSPS DDD] = POLYPROPYLENE OR POLYETHYLENE POLYOLEFIN PRODUCTION [NSPS DDD] = NO POLYOLEFIN OR ONLY ONE POLYOLEFIN IS PRODUCED CONTINUOUS PROCESS [NSPS DDD] = AFFECTED FACILITY PROCESS IS CONTINUOUS PROCESS EMISSIONS [NSPS DDD] = INDIVIDUAL VENT GAS STREAMS EMIT CONTINUOUS EMISSIONS CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS DDD] = AFTER JANUARY 10 1989 UNCONTROLLED ANNUAL EMISSIONS [NSPS DDD] = UNCONTROLLED ANNUAL EMISSIONS GREATER THAN OR EQUAL TO 1.6 MEGAGRAMS/YEAR (1.76 TONS/YEAR) EXPERIMENTAL PROCESS LINE [NSPS DDD] = AFFECTED FACILITY IS NOT AN EXPERIMENTAL PROCESS LINE WEIGHT PERCENT TOTAL ORGANIC COMPOUNDS [NSPS DDD] = WEIGHT PERCENT TOTAL ORGANIC COMPOUNDS GREATER THAN OR EQUAL TO 0.10% 'TABLE 3' CONTROL REQUIREMENTS [NSPS DDD] = CALCULATIONS FROM 'TABLE 3' DO NOT REQUIRE CONTROLS 'TABLE 2' THRESHOLD EMISSION RATES [NSPS DDD] = UNCONTROLLED EMISSION RATE GREATER THAN TO UNCONTROLLED THRESHOLD EMISSION RATES IN 'TABLE 2' OF 40 CFR 60.560
PRO-Q1	40 CFR Part 60, Subpart DDD	60DDD-EV	EMERGENCY VENT [NSPS DDD] = EMISSIONS ARE AN EMERGENCY VENT STREAM FROM A NEW MODIFIED OR RECONSTRUCTED FACILITY MANUFACTURED PRODUCT [NSPS DDD] = POLYPROPYLENE OR POLYETHYLENE POLYOLEFIN PRODUCTION [NSPS DDD] = NO POLYOLEFIN OR ONLY ONE POLYOLEFIN IS PRODUCED CONTINUOUS PROCESS [NSPS DDD] = AFFECTED FACILITY PROCESS IS CONTINUOUS PROCESS EMISSIONS [NSPS DDD] = INDIVIDUAL VENT GAS STREAMS EMIT INTERMITTENT EMISSIONS CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS DDD] = AFTER JANUARY 10 1989 EXPERIMENTAL PROCESS LINE [NSPS DDD] = AFFECTED FACILITY IS NOT AN EXPERIMENTAL PROCESS LINE 'TABLE 2' THRESHOLD EMISSION RATES [NSPS DDD] = UNCONTROLLED EMISSION RATE GREATER THAN TO UNCONTROLLED THRESHOLD EMISSION RATES IN 'TABLE 2' OF 40 CFR 60.560
Q1INC	30 TAC Chapter 117, Commercial	n/a	MAXIMUM RATED CAPACITY = MAXIMUM RATED CAPACITY OF 40 MMBTU/HR OR GREATER
Q1INC	40 CFR Part 60, Subpart E	n/a	CHARGING RATE [NSPS E] = INCINERATOR WITH CHARGING RATE LESS THAN OR EQUAL TO 45 METRIC TONS PER DAY (50 TONS/DAY)

PWABCN	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	BRAKE HP = STATIONARY RICE WITH A BRAKE HP GREATER THAN 500 HP BUT LESS THAN 5000 HP CONSTRUCTION/RECONSTRUCTION DATE = COMMENCED CONSTRUCTION OR RECONSTRUCTION BEFORE DECEMBER 19, 2002 STATIONARY RICE TYPE = EMERGENCY STATIONARY RICE
PWCWELL	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	BRAKE HP = STATIONARY RICE WITH A BRAKE HP GREATER THAN 500 HP BUT LESS THAN 5000 HP CONSTRUCTION/RECONSTRUCTION DATE = COMMENCED CONSTRUCTION OR RECONSTRUCTION BEFORE DECEMBER 19, 2002 STATIONARY RICE TYPE = EMERGENCY STATIONARY RICE
PWW321	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	BRAKE HP = STATIONARY RICE WITH A BRAKE HP GREATER THAN 500 HP BUT LESS THAN 5000 HP CONSTRUCTION/RECONSTRUCTION DATE = COMMENCED CONSTRUCTION OR RECONSTRUCTION BEFORE DECEMBER 19, 2002 STATIONARY RICE TYPE = EMERGENCY STATIONARY RICE
J2202	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	BRAKE HP = STATIONARY RICE WITH A BRAKE HP GREATER THAN 500 HP BUT LESS THAN 5000 HP CONSTRUCTION/RECONSTRUCTION DATE = COMMENCED CONSTRUCTION OR RECONSTRUCTION BEFORE DECEMBER 19, 2002 STATIONARY RICE TYPE = EMERGENCY STATIONARY RICE

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

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 Office of Public Assistance (OPA) may be contacted at 1-800-687-4040 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 website: www.tceq.state.tx.us/permitting/air/permitbyrule/historical_rules/old106list/index106.html. Outdated Standard Exemption lists may be viewed at the following website: www.tceq.state.tx.us/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.: 17354	Authorization No.: 19109
Authorization No.: 19501	Authorization No.: 4477
Authorization No.: 5226	Authorization No.: 5836
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 014	Version No./Date: 09/23/1982
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001

EMISSION UNITS AND EMISSION POINTS

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

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

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

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.: DGRLAPPING	Applicable Form: OP-UA16
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-1
Pollutant: VOC	Main Standard: § 115.412(1)
MONITORING INFORMATION	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Indication of noncompliance with 30 TAC §115.412(1)(A)-(F)	
Basis of monitoring: The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: DGRMAINT	Applicable Form: OP-UA16
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-1
Pollutant: VOC	Main Standard: § 115.412(1)
MONITORING INFORMATION	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Indication of non-compliance with 30 TAC §115.412(1)(A)-(F)	
Basis of monitoring: The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: DGRMOBILE	Applicable Form: OP-UA16
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-1
Pollutant: VOC	Main Standard: § 115.412(1)
MONITORING INFORMATION	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Indication of noncompliance with 30 TAC §115.412(1)(A)-(F)	
Basis of monitoring: The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: DGRWBMURR	Applicable Form: OP-UA16
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5121-3
Pollutant: VOC	Main Standard: § 115.412(1)
MONITORING INFORMATION	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Indication of noncompliance with 30 TAC §115.412(1)(A)-(F)	
Basis of monitoring: The monitoring option to cover cold cleaner or the open-top vapor cleaner was included in the EPA "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. In addition to covering the cleaner records of monthly inspections of equipment is an effective way to ensure that the system is operating in accordance with its design.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: L3V3387	Applicable Form: OP-UA03
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Fill pipe not submerged	
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.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: L3V3387	Applicable Form: OP-UA03
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Damaged fill pipe after refilling of storage vessel	
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.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: L3V3740	Applicable Form: OP-UA03
Control Device ID No.: L3FLARE	Control Device Type: Flare
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-2
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame	
Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: L3V3740-2	Applicable Form: OP-UA03
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Fill pipe not submerged	
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.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: L3V3740-2	Applicable Form: OP-UA03
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Damaged fill pipe after storage vessel is refilled	
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.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: L3V4367	Applicable Form: OP-UA03
Control Device ID No.: L3FLARE	Control Device Type: Flare
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-2
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of a pilot flame	
Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: UTBLRG	Applicable Form: OP-UA15
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
MONITORING INFORMATION	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Observation of visible emissions or < 15% Opacity	
Basis of monitoring: Industry has demonstrated through performance tests and historical data that opacity and particulate matter standards are consistently met when combustion units fire natural gas only. If the emission unit fires a different fuel for more than 24 hours, the permit holder may elect to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: UTBLRH	Applicable Form: OP-UA15
Control Device ID No.:	Control Device Type:
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
MONITORING INFORMATION	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Observation of visible emissions or < 15% Opacity	
Basis of monitoring: Industry has demonstrated through performance tests and historical data that opacity and particulate matter standards are consistently met when combustion units fire natural gas only. If the emission unit fires a different fuel for more than 24 hours, the permit holder may elect to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

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.: L3FLARECV	Applicable Form: OP-UA15
Control Device ID No.: L3FLARE	Control Device Type: Flare
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-2
Pollutant: VOC	Main Standard: § 115.121(a)(1)
MONITORING INFORMATION	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: Absence of a flame	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: MRU3745	Applicable Form: OP-UA03
Control Device ID No.: L3FLARE	Control Device Type: Flare
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-2
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: MRU3746	Applicable Form: OP-UA03
Control Device ID No.: L3FLARE	Control Device Type: Flare
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: MRU3747	Applicable Form: OP-UA03
Control Device ID No.: L3FLARE	Control Device Type: Flare
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: Q1PROCESS	Applicable Form: OP-UA15
Control Device ID No.: Q1FLARE	Control Device Type: Flare
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-FLR
Pollutant: VOC	Main Standard: § 115.121(a)(1)
MONITORING INFORMATION	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: Absence of a pilot flame	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

UNIT/GROUP/PROCESS INFORMATION	
ID No.: Q1PROCESS	Applicable Form: OP-UA15
Control Device ID No.: Q1INC	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-INC
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: < 1462° F	
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.

COMPLIANCE REVIEW

In accordance with 30 TAC Chapter 60, the compliance history was reviewed on 05/20/2008.
The compliance history review evaluated the period from 11/06/2007 to 11/06/2002.
Site rating: 3.85 Company rating: 2.92
(High < 0.10; Average > 0.10 and < 45; Poor > 45)

Site/Permit Area Compliance Status Review

1. Were there any out-of-compliance units listed on Form OP-ACPS?..... No
2. Is a compliance plan and schedule included in the permit?..... No

AVAILABLE UNIT ATTRIBUTE FORMS

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA8 - Coal Preparation Plant Attributes
OP-UA9 - Nonmetallic Mineral Process Plant Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Metallic Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes

OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes