

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Ticona Polymers, Inc.

AUTHORIZING THE OPERATION OF

APAP / IBU
Industrial Organic Chemicals

LOCATED AT

Nueces County, Texas

Latitude 27° 34' 03" Longitude 97° 49' 31"

Regulated Entity Number: RN101625721

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O2016 Issuance Date: _____

For the Commission

Table of Contents

Section	Page
General Terms and Conditions	1
Special Terms and Conditions	1
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting	1
Additional Monitoring Requirements	9
New Source Review Authorization Requirements	10
Compliance Requirements.....	11
Risk Management Plan	11
Permit Location.....	12
Permit Shield (30 TAC § 122.148).....	12
Attachments	13
Applicable Requirements Summary	14
Additional Monitoring Requirements	33
Permit Shield.....	45
New Source Review Authorization References.....	48
Appendix A	59
Acronym List	60

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
 - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subpart GGG, as identified in the attached Applicable Requirements Summary table, are subject to 30 TAC Chapter 113, Subchapter C, §113.640, which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed either before or after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
- (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
 - (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
 - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum

required value does not constitute creation of an alternative fuel.

- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement.

However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible

emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
 - (4) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the

appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: “Storage of Volatile Organic Compounds,” the permit holder shall comply with the requirements of 30 TAC § 115.112(b)(1).
- 5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)

- C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
 - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
 - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)
7. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

Additional Monitoring Requirements

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable,

calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

9. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
10. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit’s compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
13. Use of Discrete Emission Credits to comply with the applicable requirements:
 - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

Risk Management Plan

14. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the

compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Permit Location

15. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

16. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary15

Applicable Requirements Summary 21

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
99IBU-UNIT	Pharmaceutical Manufacturing Facility	N/A	115F-1	30 TAC Chapter 115, Phar. Man. Facilities	No changing attributes.
99MN-8900	Flares	N/A	111A-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
99MN-8900	Flares	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
99T-8402	Distillation Operations	N/A	60NNN-1	40 CFR Part 60, Subpart NNN	No changing attributes.
APHAC-LOAD	Loading/Unloading Operations	N/A	115C-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
APT-510	Flares	N/A	111A-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
APT-510	Flares	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
APTF-FUG	Fugitive Emission Units	N/A	60VV-1	40 CFR Part 60, Subpart VV	No changing attributes.
APV-2733	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
APV-2733	Storage Tanks/Vessels	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
APV-2812	Storage Tanks/Vessels	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
APV-2814	Storage Tanks/Vessels	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
APV-2814	Storage Tanks/Vessels	N/A	63GGG-1	40 CFR Part 63, Subpart GGG	No changing attributes.
GRP-DISTILL	Distillation Operations	99T-8408, APT-501A	60NNN-1	40 CFR Part 60, Subpart NNN	No changing attributes.
GRP- FUGITIVES	Fugitive Emission Units	99ACYL-FUG, 99UTIL-FUG, APPROC-FUG	60VV-1	40 CFR Part 60, Subpart VV	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-HEAT	Miscellaneous Units	HE-2857, HE-2877, HE-8700, HE-8788, HE-8795	63GGG-1	40 CFR Part 63, Subpart GGG	No changing attributes.
GRP-LOAD	Loading/Unloading Operations	99HAC-LOAD, 99IBAP-LOAD, 99IBB-LOAD, 99IBPE-LOAD, 99ISOTK-LOAD, AP2HAP-LOAD, APPHAC-LOAD	115C-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRP-TANKS2	Storage Tanks/Vessels	99V-8330, APV-2821	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-TANKS7	Storage Tanks/Vessels	99V-8413, APV-2732, APV-2773, APV-2819	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-TANKS7	Storage Tanks/Vessels	99V-8413, APV-2732, APV-2773, APV-2819	63GGG-1	40 CFR Part 63, Subpart GGG	No changing attributes.
GRP-VENTS1	Emission Points/ Stationary Vents/ Process Vents	4HPPKFU, 99MB-8760, 99MN-8766, APV-2729, APV-2810	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTS2	Emission Points/ Stationary Vents/ Process Vents	99MD-8760, 99MS-8720, 99MS-8750, 99MS-8785, 99R-8401, 99R-8402, 99R-8601, 99T-8408, 99T-8601, 99T-8790, 99V-8200, 99V-8403, 99V-8404, 99V-8604, 99V-8605, 99V-8610, 99V-8611, 99V-8612,	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		99V-8613, 99V-8615, 99V-8700, 99V-8702, 99V-8710, 99V-8711, 99V-8719, 99V-8722, 99V-8724, 99V-8730, 99V-8732, 99V-8740, 99V-8741, 99V-8749, 99V-8752, 99V-8754, 99V-8757, 99V-8758, 99V-8762, 99V-8769, 99V-8782, 99V-8783, 99V-8784, 99V-8790, 99V-8792, 99V-8796			
GRP-VENTS2	Emission Points/ Stationary Vents/ Process Vents	99MD-8760, 99MS-8720, 99MS-8750, 99MS-8785, 99R-8401, 99R-8402, 99R-8601, 99T-8408, 99T-8601, 99T-8790, 99V-8200, 99V-8403, 99V-8404, 99V-8604, 99V-8605, 99V-8610, 99V-8611, 99V-8612, 99V-8613, 99V-8615, 99V-8700, 99V-8702, 99V-8710, 99V-8711, 99V-8719, 99V-8722, 99V-8724, 99V-8730, 99V-8732, 99V-8740, 99V-8741, 99V-8749, 99V-8752, 99V-8754,	63GGG-1	40 CFR Part 63, Subpart GGG	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		99V-8757, 99V-8758, 99V-8762, 99V-8769, 99V-8782, 99V-8783, 99V-8784, 99V-8790, 99V-8792, 99V-8796			
GRP-VENTS3	Emission Points/ Stationary Vents/ Process Vents	99T-8402, 99T-8404, 99V-8405, 99V-8407, 99V-8412	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTS3	Emission Points/ Stationary Vents/ Process Vents	99T-8402, 99T-8404, 99V-8405, 99V-8407, 99V-8412	63GGG-1	40 CFR Part 63, Subpart GGG	No changing attributes.
GRP-VENTS4	Emission Points/ Stationary Vents/ Process Vents	APMJ-207, APMJ-208, APMJ-209, APMJ-210, APMJ-211, APMJ-236, APT-501, APT-502, APT-503, APT-504A, APT-507, APV-2735, APV-2736, APV-2737, APV-2738, APV-2743, APV-2744, APV-2745	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTS4	Emission Points/ Stationary Vents/ Process Vents	APMJ-207, APMJ-208, APMJ-209, APMJ-210, APMJ-211, APMJ-236, APT-501, APT-502, APT-503, APT-504A, APT-507, APV-2735, APV-2736, APV-2737, APV-2738, APV-2743,	63GGG-1	40 CFR Part 63, Subpart GGG	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		APV-2744, APV-2745			
GRP-VENTS5	Emission Points/ Stationary Vents/ Process Vents	APMJ-208A, APMJ-209A, APMJ-210A, APMJ-211A, APMJ-235, APT-504, APV-2774	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTS5	Emission Points/ Stationary Vents/ Process Vents	APMJ-208A, APMJ-209A, APMJ-210A, APMJ-211A, APMJ-235, APT-504, APV-2774	63GGG-1	40 CFR Part 63, Subpart GGG	No changing attributes.
GRP-VENTS6	Emission Points/ Stationary Vents/ Process Vents	99MS-8501, 99R-8501, 99T-8412, 99V-8502, 99V-8503, 99V-8504, 99V-8505, 99V-8506, 99V-8507, 99V-8508, 99V-8600, 99V-8797, APC-874, APHE-2875, APMD-57, APMJ-212, APMJ-213, APMJ-214, APMJ-215, APMJ-217, APMJ-226, APMJ-227, APMS-1916, APPPACK, APT-505, APT-508, APT-509, APV-2740, APV-2741	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTS8	Emission Points/ Stationary Vents/ Process Vents	APV-2730, APV-2731	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-VENTS8	Emission Points/ Stationary Vents/ Process Vents	APV-2730, APV-2731	63GGG-1	40 CFR Part 63, Subpart GGG	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
99IBU-UNIT	PRO	115F-1	VOC	30 TAC Chapter 115, Phar. Man. Facilities	§ 115.537(b)(5)	Any facility with uncontrolled units emitting a combined weight of VOC less than 550 pounds (249.5 kg) in any continuous 24-hour period is exempt from §115.531(b) and §115.532(b).	[G]§ 115.535(b) [G]§ 115.536(b)(3) § 115.536(b)(4) § 115.536(b)(5)	[G]§ 115.536(b)(3) § 115.536(b)(4) § 115.536(b)(5)	None
99MN-8900	EU	111A-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
99MN-8900	CD	60A-1	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
99T-8402	EP	60NNN-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.660(c)(5)	Each affected facility, in a process unit of total design capacity < 1 gigagram/yr for all chemicals produced in the unit, is exempt from this subpart except for § 60.665(j), (l)(6) and (n).	§ 60.665(l)(6)	§ 60.665(j)	§ 60.665(l) § 60.665(l)(6) § 60.665(n)
APHAC-LOAD	EU	115C-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(b)(1) § 115.212(b)(1)(B) § 115.212(b)(3)(A) § 115.212(b)(3)(A)(ii) § 115.212(b)(3)(B) [G]§ 115.212(b)(3)(C) § 115.212(b)(3)(E) § 115.214(b)(1)(B)	In Aransas, Bexar, Calhoun, Gregg, Matagorda, Nueces, San Patricio, Travis and Victoria Counties, vapors caused by the loading of VOC with a TVP of 1.5 psia or greater must be controlled by one of the	§ 115.212(b)(3)(B) [G]§ 115.212(b)(3)(C) § 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.214(b)(1)(A)(ii) § 115.214(b)(1)(A)(iii) § 115.215 § 115.215(1)	§ 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.214(b)(1)(C)	following.	§ 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(5) § 115.215(8) § 115.215(9)		
APT-510	EU	111A-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
APT-510	CD	60A-1	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
APTF-FUG	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified in § 60.485(c).	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
APTF-FUG	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-5(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-5(b)	Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-5(c) § 60.486(k)	§60.482-1(c) and paragraph (c) of this section.			
APTF-FUG	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-6(a)(1) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k)	Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1(c) and paragraphs (d) and (e) of this section.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
APTF-FUG	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-7(b) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	If an instrument reading of 10,000 ppm or greater is measured for valves in gas/vapor service and in light liquid service, a leak is detected.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
APTF-FUG	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-8(b) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	For flanges and other connectors, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k)				
APTF-FUG	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-10(g) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k)	Leaks, as indicated by the specified instrument or by visual inspections, shall be repaired as soon as practicable except as provided in § 60.482-10(h). § 60.482-10(g)(1)-(2)	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
APV-2733	EU	115B-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
APV-2733	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3) § 60.18	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(d)(3)
APV-2812	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						construction/reconstruction /modification began after 7/23/84.	[G]§ 60.116b(e)(3)		
APV-2814	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
APV-2814	EU	63GGG-1	112(B) HAPS	40 CFR Part 63, Subpart GGG	§ 63.1253(b)(4) § 63.1253(a) § 63.1253(a)(1) § 63.1253(b) § 63.1253(e)	Emissions from storage tanks shall be controlled using a flare meeting the requirements of § 63.11(b).	[G]§ 63.1257(b) § 63.1257(c) § 63.1257(c)(1)(iii) § 63.1257(c)(5) § 63.1258(a) § 63.1258(b)(1) § 63.1258(b)(1)(vi) [G]§ 63.1258(b)(2) [G]§ 63.1258(b)(3)(ii) § 63.1258(b)(4) § 63.1258(b)(6)(iii) § 63.1258(b)(7) § 63.1258(b)(8)	§ 63.1259(a) § 63.1259(a)(1) § 63.1259(a)(2) § 63.1259(a)(3) § 63.1259(b) § 63.1259(b)(10) § 63.1259(b)(13) § 63.1259(b)(9) § 63.1259(c) § 63.1259(f) § 63.1259(h) § 63.1259(i) § 63.1259(i)(1) § 63.1259(i)(4) § 63.1259(i)(5)	§ 63.1260(a) § 63.1260(b) [G]§ 63.1260(e) [G]§ 63.1260(f) [G]§ 63.1260(g) [G]§ 63.1260(h) [G]§ 63.1260(i) § 63.1260(j) § 63.1260(l) § 63.1260(m)
GRP-DISTILL	EP	60NNN-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(b) § 60.18	Each affected facility shall combust the emissions in a flare that meets the requirements of § 60.18.	§ 60.663(b) § 60.663(b)(1) § 60.663(b)(2) § 60.664(a) § 60.664(d) [G]§ 60.664(e)	§ 60.663(b)(2) § 60.665(b) § 60.665(b)(3) § 60.665(d) § 60.665(f)	§ 60.665(a) § 60.665(b) § 60.665(b)(3) § 60.665(k) § 60.665(l) § 60.665(l)(2) § 60.665(l)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-FUGITIVES	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified in § 60.485(c).	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-FUGITIVES	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-5(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k)	Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in §60.482-1(c) and paragraph (c) of this section.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-FUGITIVES	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-6(a)(1) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k)	Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1(c) and paragraphs (d) and (e) of this section.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-FUGITIVES	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-7(b) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g)	If an instrument reading of 10,000 ppm or greater is measured for valves in gas/vapor service and in light liquid service, a leak is detected.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)		[G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.486(j)	
GRP-FUGITIVES	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-8(b) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	For flanges and other connectors, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-FUGITIVES	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-10(g) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k)	Leaks, as indicated by the specified instrument or by visual inspections, shall be repaired as soon as practicable except as provided in § 60.482-10(h). § 60.482-10(g)(1)-(2)	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-FUGITIVES	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-10(d) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(m) § 60.486(k)	Flares used to comply with this subpart shall comply with the requirements of §60.18.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-HEAT	EU	63GGG-1	112(B) HAPS	40 CFR Part 63, Subpart GGG	§ 63.1252(c)(1) § 63.104(a) [G]§ 63.104(d) [G]§ 63.104(e) § 63.1252(c) § 63.1252(c)(2)	Heat exchange systems shall be treated according to the provisions of § 63.104, except that the monitoring frequency shall be no less than quarterly.	[G]§ 63.104(b)	[G]§ 63.104(c)(2) [G]§ 63.104(f)(1) § 63.1259(a) § 63.1259(a)(1) § 63.1259(a)(2)	[G]§ 63.104(f)(2) § 63.1260(f) § 63.1260(f)(1) § 63.1260(f)(2)
GRP-LOAD	EU	115C-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
GRP-TANKS ₂	EU	115B-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
GRP-TANKS ₇	EU	115B-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
GRP-TANKS ₇	EU	63GGG-1	112(B) HAPS	40 CFR Part 63, Subpart GGG	§ 63.1253(b)(4) § 63.1253(a) § 63.1253(a)(1) § 63.1253(b) § 63.1253(c)	Emissions from storage tanks shall be controlled using a flare meeting the requirements of § 63.11(b).	§ 63.1257(b)[G] § 63.1257(c) § 63.1257(c)(1)(iii) § 63.1257(c)(5) § 63.1258(a) § 63.1258(b)(1) § 63.1258(b)(1)(vi) [G]§ 63.1258(b)(2)	§ 63.1259(a) § 63.1259(a)(1) § 63.1259(a)(2) § 63.1259(a)(3) § 63.1259(b) § 63.1259(b)(10) § 63.1259(b)(13) § 63.1259(b)(9)	§ 63.1260(a) § 63.1260(b) [G]§ 63.1260(e) [G]§ 63.1260(f) [G]§ 63.1260(g) [G]§ 63.1260(h) [G]§ 63.1260(i) § 63.1260(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 63.1258(b)(3)(ii) § 63.1258(b)(4) § 63.1258(b)(6)(iii) § 63.1258(b)(7) § 63.1258(b)(8)	§ 63.1259(c) § 63.1259(f) § 63.1259(h) § 63.1259(i) § 63.1259(i)(1) § 63.1259(i)(4) § 63.1259(i)(5)	§ 63.1260(l) § 63.1260(m)
GRP-VENTS ₁	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(A) § 115.127(b)(2)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(b)(2)-(3) < 100 lb (45.4 kg) in any continuous 24-hour period is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
GRP-VENTS ₂	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(2)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
GRP-VENTS ₂	EU	63GGG-1	112(B) HAPS	40 CFR Part 63, Subpart GGG	§ 63.1254(a)(1)(ii)(B) § 63.1254(a) § 63.1254(a)(3)(i)	Emissions from process vents shall be controlled using a flare meeting the requirements of § 63.11(b).	§ 63.1257(a) [G]§ 63.1257(a)(1)(vi) [G]§ 63.1257(b) § 63.1257(d) § 63.1257(d)(1) § 63.1257(d)(1)(ii) § 63.1257(d)(1)(ii)(A) § 63.1257(d)(2) § 63.1257(d)(2)(i) § 63.1257(d)(3) § 63.1257(d)(3)(ii) § 63.1258(a) § 63.1258(b)(1) [G]§ 63.1258(b)(1)(ii)	§ 63.1259(a) § 63.1259(a)(1) § 63.1259(a)(2) § 63.1259(a)(3) § 63.1259(b) § 63.1259(b)(1) § 63.1259(c) § 63.1259(f)	§ 63.1260(a) § 63.1260(b) [G]§ 63.1260(e) [G]§ 63.1260(f) [G]§ 63.1260(g) [G]§ 63.1260(h) [G]§ 63.1260(i) § 63.1260(l) § 63.1260(m)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.1258(b)(1)(vi) § 63.1258(b)(1)(xi) [G]§ 63.1258(b)(2) [G]§ 63.1258(b)(3)(ii)		
GRP-VENTS3	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(A) § 115.127(b)(2)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(b)(2)-(3) < 100 lb (45.4 kg) in any continuous 24-hour period is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
GRP-VENTS3	EU	63GGG-1	112(B) HAPS	40 CFR Part 63, Subpart GGG	§ 63.1254(a)(1)(ii)(A) § 63.1254(a)	Emissions from process vents shall be controlled to an outlet concentration of 20 ppmv or less as TOC and 20 ppmv or less as hydrogen halides and halogens.	§ 63.1258(a) § 63.1258(b) [G]§ 63.1258(b)(1)(ii) § 63.1258(b)(1)(vi) [G]§ 63.1258(b)(3)(ii)	§ 63.1259(a) § 63.1259(a)(1) § 63.1259(a)(2) § 63.1259(a)(3) § 63.1259(b) § 63.1259(b)(1) § 63.1259(c) § 63.1259(f)	§ 63.1260(a) § 63.1260(b) [G]§ 63.1260(e) [G]§ 63.1260(f) [G]§ 63.1260(g) [G]§ 63.1260(h) [G]§ 63.1260(i) § 63.1260(l) § 63.1260(m)
GRP-VENTS4	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(2)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
GRP-VENTS4	EU	63GGG-1	112(B) HAPS	40 CFR Part 63, Subpart GGG	§ 63.1254(a)(1)(ii)(A) § 63.1254(a) § 63.1254(a)(3)(i)	Emissions from process vents shall be controlled to an outlet concentration of 20 ppmv or less as TOC and 20 ppmv or less as hydrogen halides and halogens.	§ 63.1257(a) § 63.1257(a)(3)(i) [G]§ 63.1257(b) § 63.1257(d) § 63.1257(d)(1) § 63.1257(d)(1)(ii) § 63.1257(d)(1)(ii)(A)	§ 63.1259(a) § 63.1259(a)(1) § 63.1259(a)(2) § 63.1259(a)(3) § 63.1259(b) § 63.1259(b)(1) § 63.1259(c)	§ 63.1260(a) § 63.1260(b) [G]§ 63.1260(e) [G]§ 63.1260(f) [G]§ 63.1260(g) [G]§ 63.1260(h) [G]§ 63.1260(i)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.1257(d)(2) § 63.1257(d)(2)(i) § 63.1257(d)(3) § 63.1257(d)(3)(ii) § 63.1258(a) § 63.1258(b)(1) [G]§ 63.1258(b)(1)(ii) § 63.1258(b)(1)(vi) § 63.1258(b)(1)(xi) [G]§ 63.1258(b)(2) [G]§ 63.1258(b)(3)(ii)	§ 63.1259(f)	§ 63.1260(l) § 63.1260(m)
GRP-VENTS ₅	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(A) § 115.127(b)(2)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(b)(2)-(3) < 100 lb (45.4 kg) in any continuous 24-hour period is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
GRP-VENTS ₅	EU	63GGG-1	112(B) HAPS	40 CFR Part 63, Subpart GGG	§ 63.1254(a)(1)(ii)(A) § 63.1254(a) § 63.1254(a)(3)(i)	Emissions from process vents shall be controlled to an outlet concentration of 20 ppmv or less as TOC and 20 ppmv or less as hydrogen halides and halogens.	§ 63.1257(a) [G]§ 63.1257(a)(1)(vi) [G]§ 63.1257(b) § 63.1257(d) § 63.1257(d)(1) § 63.1257(d)(1)(ii) § 63.1257(d)(1)(ii)(A) § 63.1257(d)(2) § 63.1257(d)(2)(i) § 63.1257(d)(3) § 63.1257(d)(3)(ii) § 63.1258(a) § 63.1258(b)(1) [G]§ 63.1258(b)(1)(ii) § 63.1258(b)(1)(vi) § 63.1258(b)(1)(xi) [G]§ 63.1258(b)(2) [G]§ 63.1258(b)(3)(ii)	§ 63.1259(a) § 63.1259(a)(1) § 63.1259(a)(2) § 63.1259(a)(3) § 63.1259(b) § 63.1259(b)(1) § 63.1259(c) § 63.1259(f)	§ 63.1260(a) § 63.1260(b) [G]§ 63.1260(e) [G]§ 63.1260(f) [G]§ 63.1260(g) [G]§ 63.1260(h) [G]§ 63.1260(i) § 63.1260(l) § 63.1260(m)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-VENTS6	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(A) § 115.127(b)(2)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(b)(2)-(3) < 100 lb (45.4 kg) in any continuous 24-hour period is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
GRP-VENTS8	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(A) § 115.127(b)(2)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(b)(2)-(3) < 100 lb (45.4 kg) in any continuous 24-hour period is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
GRP-VENTS8	EU	63GGG-1	112(B) HAPS	40 CFR Part 63, Subpart GGG	§ 63.1253(b)(4) § 63.1253(a) § 63.1253(a)(1) § 63.1253(b) § 63.1253(e)	Emissions from storage tanks shall be controlled using a flare meeting the requirements of § 63.11(b).	[G]§ 63.1257(b) § 63.1257(c) § 63.1257(c)(1)(iii) § 63.1257(c)(5) § 63.1258(a) § 63.1258(b)(1) § 63.1258(b)(1)(vi) [G]§ 63.1258(b)(2) [G]§ 63.1258(b)(3)(ii) § 63.1258(b)(4) § 63.1258(b)(6)(iii) § 63.1258(b)(7) § 63.1258(b)(8)	§ 63.1259(a) § 63.1259(a)(1) § 63.1259(a)(2) § 63.1259(a)(3) § 63.1259(b) § 63.1259(b)(10) § 63.1259(b)(13) § 63.1259(b)(9) § 63.1259(c) § 63.1259(f) § 63.1259(h) § 63.1259(i) § 63.1259(i)(1) § 63.1259(i)(4) § 63.1259(i)(5)	§ 63.1260(a) § 63.1260(b) [G]§ 63.1260(e) [G]§ 63.1260(f) [G]§ 63.1260(g) [G]§ 63.1260(h) [G]§ 63.1260(i) § 63.1260(j) § 63.1260(l) § 63.1260(m)

Additional Monitoring Requirements

Periodic Monitoring Summary..... 34

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: APV-2733	
Control Device ID No.: APT-510	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B-1
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame.	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: APV-2733	
Control Device ID No.: CVS	Control Device Type: Vapor Collection System
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-1
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: The closed vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background.	
Periodic Monitoring Text: Measure and record fugitive emissions from the vapor collection system in accordance with part 60, appendix A, method 21.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: APV-2733	
Control Device ID No.: CVS	Control Device Type: Vapor Collection System
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-1
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: It shall be a deviation if defects found are not repaired.	
Periodic Monitoring Text: Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: APV-2814	
Control Device ID No.: N/A	Control Device Type: Absorber (Direct Absorption)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-1
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Outlet Gas Temperature	
Minimum Frequency: once per week	
Averaging Period: n/a*	
Deviation Limit: The maximum outlet gas temperature shall not exceed 150 degrees F.	
<p>Periodic Monitoring Text: Measure and record the outlet gas temperature. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: APV-2814	
Control Device ID No.: N/A	Control Device Type: Absorber (Direct Absorption)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-1
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Liquid Supply Pressure	
Minimum Frequency: once per week	
Averaging Period: n/a*	
Deviation Limit: The minimum liquid supply pressure shall not be below 30 psig.	
<p>Periodic Monitoring Text: Measure and record the liquid supply pressure. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: APV-2814	
Control Device ID No.: CVS	Control Device Type: Vapor Collection System
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-1
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: The closed vent system shall be operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background.	
Periodic Monitoring Text: Measure and record fugitive emissions from the vapor collection system in accordance with part 60, appendix A, method 21.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: APV-2814	
Control Device ID No.: CVS	Control Device Type: Vapor Collection System
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-1
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: It shall be a deviation if any defects found are not repaired.	
Periodic Monitoring Text: Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TANKS2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B-1
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TANKS7	
Control Device ID No.: 99MN8900	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B-1
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-VENTS2	
Control Device ID No.: 99MN-8900	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115B-1
Pollutant: VOC	Main Standard: § 115.121(b)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame.	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-VENTS4	
Control Device ID No.: APT-510	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115B-1
Pollutant: VOC	Main Standard: § 115.121(b)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame.	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

Permit Shield

Permit Shield46

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
99V-8201	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank stores a VOC with a TVP less than 1.0 psia.
99V-8201	N/A	40 CFR Part 60, Subpart Kb	Storage vessel has a capacity greater 75 m3 but less than 151 m3 storing a liquid with a TVP less than 15.0 kPa.
99V-8301	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank stores a VOC with a TVP less than 1.0 psia.
99V-8301	N/A	40 CFR Part 60, Subpart Kb	Storage vessel has a capacity greater than 151 m3 storing a liquid with a TVP less than 3.5 kPa.
99V-8305	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank stores a VOC with a TVP less than 1.0 psia.
99V-8305	N/A	40 CFR Part 60, Subpart Kb	Storage vessel has a capacity greater 75 m3 but less than 151 m3 storing a liquid with a TVP less than 15.0 kPa.
APV-2747	N/A	40 CFR Part 60, Subpart Kb	Storage vessel does not store a VOL.
APV-2812	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank stores a VOC with a TVP less than 1.0 psia.
GRP-REACTORS1	99R-8401, 99R-8402	40 CFR Part 60, Subpart III	Reactor was constructed or modified/reconstructed prior to 10/21/1983.
GRP-REACTORS1	99R-8401, 99R-8402	40 CFR Part 60, Subpart RRR	Reactor was constructed or modified/reconstructed prior to 06/29/1990.
GRP-REACTORS2	99R-8501, 99R-8601	40 CFR Part 60, Subpart III	Unit does not meet the definition of an air oxidation reactor.
GRP-REACTORS2	99R-8501, 99R-8601	40 CFR Part 60, Subpart RRR	Reactor does not produce any of the chemicals in §60.707 as a product, co-product, by-product, or intermediate.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TANKS1	99V-8308, APV-2813, APV-2822, APV-2823	30 TAC Chapter 115, Storage of VOCs	Storage tank stores a VOC with a TVP less than 1.0 psia.
GRP-TANKS1	99V-8308, APV-2813, APV-2822, APV-2823	40 CFR Part 60, Subpart Kb	Storage vessel has a capacity greater than 151 m3 storing a liquid with a TVP less than 3.5 kPa.
GRP-TANKS2	99V-8330, APV-2821	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
GRP-TANKS3	99V-8408, 99V-8409, APV-2728	30 TAC Chapter 115, Storage of VOCs	Storage tank stores a VOC with a TVP less than 1.0 psia.
GRP-TANKS3	99V-8408, 99V-8409, APV-2728	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
GRP-TANKS4	APV-2811, APV-2829, APV-2830	30 TAC Chapter 115, Storage of VOCs	Storage tank does not store a VOC.
GRP-TANKS4	APV-2811, APV-2829, APV-2830	40 CFR Part 60, Subpart Kb	Storage vessel does not store a VOL.
GRP-TANKS5	99V-8220, 99V-8302, 99V-8416	30 TAC Chapter 115, Storage of VOCs	Storage tank does not store a VOC.
GRP-TANKS5	99V-8220, 99V-8302, 99V-8416	40 CFR Part 60, Subpart Kb	Storage tank does not store a VOL.
GRP-TANKS6	99V-8616, APV-2826	30 TAC Chapter 115, Storage of VOCs	Storage tank stores a VOC with a TVP less than 1.0 psia.
GRP-TANKS6	99V-8616, APV-2826	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
GRP-TANKS7	99V-8413, APV-2732, APV-2773, APV-2819	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
GRP-VENTS7	99V-8450, 99V-8770	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream originates from a source for which another division within Chapter 115 applies.

New Source Review Authorization References

New Source Review Authorization References 49

New Source Review Authorization References by Emission Unit..... 50

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

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.: 17276	Issuance Date: 01/04/2013
Authorization No.: 19997	Issuance Date: 05/25/2007
Authorization No.: 83827	Issuance Date: 03/19/2012
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.478	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
4HPPKFU	FUGITIVES	17276
99ACYL-FUG	FUGITIVE EMISSIONS	19997
99HAC-LOAD	PRODUCT 1 LIQUID LOADING	19997
99IBAP-LOAD	PRODUCT 2 LIQUID LOADING	19997
99IBB-LOAD	PRODUCT 3 LIQUID LOADING	19997
99IBPE-LOAD	PRODUCT 4 LIQUID LOADING	19997
99IBU-UNIT	PHARMACEUTICAL UNIT	19997
99ISOTK-LOAD	ISOTANK LOADING	19997
99MB-8760	FILLER	19997
99MD-8760	DRYER	19997
99MN-8766	DUST COLLECTION UNIT	19997
99MN-8900	FLARE	19997
99MS-8501	RELIEF TANK VENT	19997
99MS-8720	FILTER / FLARE	19997
99MS-8750	FILTER	19997
99MS-8785	FILTER	19997
99R-8401	REACTOR	19997
99R-8402	REACTOR	19997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
99R-8501	REACTOR	19997
99R-8601	REACTOR	19997
99T-8402	DISTILLATION TOWER	19997
99T-8404	DISTILLATION TOWER	19997
99T-8408	DISTILLATION TOWER	19997
99T-8408	DISTILLATION TOWER	19997
99T-8412	VENT SCRUBBER	19997
99T-8601	VENT SCRUBBER	19997
99T-8790	DISTILLATION TOWER	19997
99UTIL-FUG	FUGITIVE EMISSIONS	19997
99V-8200	WASTEWATER STORAGE TANK	19997
99V-8201	STORAGE TANK	19997
99V-8220	ACID STORAGE TANK	17276
99V-8301	FEED STORAGE TANK	19997
99V-8302	FEED STORAGE TANK	19997
99V-8305	PRODUCT STORAGE TANK	19997
99V-8308	INTERMEDIATE STORAGE TANK	19997
99V-8330	SOLVENT STORAGE TANK	19997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
99V-8403	DISTILLATE RECEIVER	19997
99V-8404	INVENTORY STORAGE TANK	19997
99V-8405	DISTILLATE RECEIVER	19997
99V-8407	DISTILLATE RECEIVER	19997
99V-8408	PROCUCT DAY STORAGE TANK	19997
99V-8409	PRODCUT DAY STORAGE TANK	19997
99V-8412	VENT SCRUBBER BASE	19997
99V-8413	ORGANICS STORAGE TANK	19997
99V-8416	SCRUBBER BASE	19997
99V-8450	PROCESSING VESSEL	106.261/11/01/2003, 106.262/11/01/2003
99V-8502	PROCESSING VESSEL	19997
99V-8503	PROCESSING VESSEL	19997
99V-8504	PROCESSING VESSEL	19997
99V-8505	FEED PREPARATION STORAGE TANK	19997
99V-8506	FEED WASH TANK	19997
99V-8507	VENT COLLECTION TANK	19997
99V-8508	PRODUCT STORAGE TANK	19997
99V-8600	PROCESS FEED TANK	19997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
99V-8604	PROCESS FEED TANK	19997
99V-8605	PROCESS FEED TANK	19997
99V-8610	SCRUBBER BASE	19997
99V-8611	VENT GAS SEPARATOR	19997
99V-8612	PROCESS SURGE TANK	19997
99V-8613	PROCESS SURGE TANK	19997
99V-8615	PROCESS TANK	19997
99V-8616	PROCESS SURGE TANK	19997
99V-8700	PROCESS TANK	19997
99V-8702	PROCESS TANK	19997
99V-8710	PROCESS TANK	19997
99V-8711	PROCESS RECEIVER	19997
99V-8719	FLUID RESERVOIR	19997
99V-8722	PROCESS RECEIVER	19997
99V-8724	PROCESS RECEIVER	19997
99V-8730	PROCESS TANK	19997
99V-8732	PROCESS RECEIVER	19997
99V-8740	PROCESS TANK	19997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
99V-8741	PROCESS RECEIVER	19997
99V-8749	FLUID RESERVOIR	19997
99V-8752	PROCESS RECEIVER	19997
99V-8754	PROCESS RECEIVER	19997
99V-8757	DEMISTER VESSEL	19997
99V-8758	FLUID RESERVOIR	19997
99V-8762	PROCESS RECEIVER	19997
99V-8769	FLUID RESERVOIR	19997
99V-8770	PROCESS TANK	106.261/11/01/2003, 106.262/11/01/2003
99V-8782	PROCESSING VESSEL	19997
99V-8783	PROCESSING VESSEL	19997
99V-8784	PROCESSING VESSEL	19997
99V-8790	DISTILLATION BASE	19997
99V-8792	PROCESSING VESSEL	19997
99V-8796	VENT RECEIVING TANK	19997
99V-8797	PROCESSING VESSEL	19997
AP2HAP-LOAD	PRODUCT 2A LOADING ARM	17276
APC-874	VENT FAN	17276

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
APHAC-LOAD	PRODUCT 1A LOADING ARM	17276
APHE-2875	HEAT EXCHANGER	17276
APMD-57	FLAKER	17276
APMJ-207	VACUUM JET	17276
APMJ-208A	TOWER VACUUM JET	17276
APMJ-208	TOWER VACUUM JET	17276
APMJ-209A	TOWER VACUUM JET	17276
APMJ-209	TOWER VACUUM JET	17276
APMJ-210A	TOWER VACUUM JET	17276
APMJ-210	TOWER VACUUM JET	17276
APMJ-211A	TOWER VACUUM JET	17276
APMJ-211	TOWER VACUUM JET	17276
APMJ-212	TOWER VACUUM JET	17276
APMJ-213	TOWER VACUUM JET	17276
APMJ-214	TOWER VACUUM JET	17276
APMJ-215	TOWER VACUUM JET	17276
APMJ-217	BOOSTER JET	17276
APMJ-226	BOOSTER JET	17276

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
APMJ-227	VACUUM JET	17276
APMJ-235	VACUUM JET	17276
APMJ-236	EDUCTOR	17276
APMS-1916	FILTER	17276
APPHAC-LOAD	TRUCK LOADING	17276
APPPACK	FUGITIVES	17276
APPROC-FUG	FUGITIVE EMISSIONS	17276
APT-501A	DISTILLATION TOWER	17276
APT-501	DISTILLATION TOWER	17276
APT-502	DISTILLATION TOWER	17276
APT-503	VENT SCRUBBER	17276
APT-504A	DISTILLATION TOWER	17276
APT-504	DISTILLATION TOWER	17276
APT-505	DISTILLATION TOWER	17276
APT-507	VENT SCRUBBER	17276
APT-508	VENT SCRUBBER	17276
APT-509	VENT SCRUBBER	17276
APT-510	APAP FACILITY FLARE	17276

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
APTF-FUG	FUGITIVE EMISSIONS	17276
APV-2728	PRODUCT SURGE TANK	17276
APV-2729	DISTILLATE RECEIVER	17276
APV-2730	VESSEL	17276
APV-2731	DISTILLATE RECEIVER	17276
APV-2732	INVENTORY STORAGE TANK	17276
APV-2733	SCRUBBER BASE	17276
APV-2735	PROCESSING VESSEL	17276
APV-2736	DISTILLATE RECEIVER	17276
APV-2737	CONDENSATE SEPARATOR	17276
APV-2738	DISTILLATE RECEIVER	17276
APV-2740	PROCESSING VESSEL	17276
APV-2741	CONDENSATE RECEIVER	17276
APV-2743	TANK	17276
APV-2744	PROCESS VESSEL	17276
APV-2745	CONDENSATE SEPARATOR	17276
APV-2747	PRODUCT STORAGE TANK	17276
APV-2773	PRODUCT STORAGE TANK	17276

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
APV-2774	VENT SEPARATOR VESSEL	17276
APV-2810	VENT SCRUBBER BASE	17276
APV-2811	NEUTRALIZING STORAGE TANK	17276
APV-2812	FEED STORAGE TANK	17276
APV-2813	FEED STORAGE TANK	17276
APV-2814	PRODUCT STORAGE TANK	17276
APV-2819	SOLVENT STORAGE TANK	17276
APV-2821	ORGANIC WASTE STORAGE TANK	17276
APV-2822	WASTEWATER STORAGE TANK	17276
APV-2823	WASTEWATER STORAGE TANK	17276
APV-2826	PRODUCT STORAGE TANK	17276
APV-2829	FEED STORAGE TANK	17276
APV-2830	NEUTRALIZING STORAGE TANK	17276
HE-2857	APAP HEAT EXCHANGER	17276
HE-2877	APAP HEAT EXCHANGER	17276
HE-8700	IBU HEAT EXCHANGER	19997
HE-8788	IBU HEAT EXCHANGER	19997
HE-8795	IBU HEAT EXCHANGER	19997

Appendix A

Acronym List60

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
COMS	continuous opacity monitoring system
CVS	closed-vent system
D/FW	Dallas/Fort Worth (nonattainment area)
DR	Designated Representative
ELP	El Paso (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
GF	grandfathered
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H ₂ S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MMBtu/hr	Million British thermal units per hour
MRRT	monitoring, recordkeeping, reporting, and testing
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NO _x	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PM	particulate matter
ppmv	parts per million by volume
PSD	prevention of significant deterioration
RO	Responsible Official
SO ₂	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound