

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Formosa Plastics Corporation, Texas

AUTHORIZING THE OPERATION OF

Ethylene Glycol Plant
Plastics Materials

LOCATED AT

Calhoun County, Texas

Latitude 28° 41' 20" Longitude 096° 32' 50"

Regulated Entity Number: RN100218973

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: O1484 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
New Source Review Authorization Requirements	8
Compliance Requirements.....	9
Protection of Stratospheric Ozone	10
Alternative Requirements	11
Permit Location.....	11
Permit Shield (30 TAC § 122.148)	11
Attachments	13
Applicable Requirements Summary	14
Permit Shield.....	27
New Source Review Authorization References.....	35
Alternative Requirement.....	39
Appendix A	41
Acronym List	42
Appendix B	43

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 F as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.110 which incorporates the 40 CFR Part 63 Subpart by reference.
 - F. Emission units subject to 40 CFR Part 63, Subpart H as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.130 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 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) 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. 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.
 - C. 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. 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)
5. 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)
6. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
 - B. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)
 - C. Title 40 CFR § 61.342(g) (relating to Standards: General)
 - D. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
 - E. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)

- F. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
 - G. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
 - H. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
 - I. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)
 - J. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
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.
 8. For the chemical manufacturing process specified in 40 CFR Part 63, Subpart F, the permit holder shall comply with 40 CFR § 63.103(a) (relating to General Compliance, Reporting, and Recordkeeping Provisions) (Title 30 TAC Chapter 113, Subchapter C, § 113.110 incorporated by reference).
 9. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 2 wastewater stream, the permit holder shall comply with (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
 - A. Title 40 CFR § 63.132(a), (a)(1), and (a)(1)(i) (relating to Process Wastewater Provisions - General)
 - B. Title 40 CFR § 63.146(b)(1) (relating to Process Wastewater Provisions - Reporting)
 - C. Title 40 CFR § 63.147(b)(8) (relating to Process Wastewater Provisions - Recordkeeping)
 10. For the chemical manufacturing facilities subject to leak detection requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
 - A. General Leak Detection Requirements:
 - (i) Title 40 CFR § 63.148(d)(1) - (3), and (e) (relating to Leak Inspection Provisions)
 - (ii) Title 40 CFR § 63.148(c), (g), (g)(2), (h), and (h)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements

- (iii) Title 40 CFR §§ 63.148(g)(2), (h)(2), (i)(1) - (2), (i)(4)(i) - (viii), (i)(5), and 63.152(a)(1) - (5), for recordkeeping requirements
 - (iv) Title 40 CFR §§ 63.148(j), 63.151(a)(6)(i) - (iii), (b)(1) - (2), (j)(1) - (3), 63.152(a)(1) - (5), (b), (b)(1)(i) - (ii), and (b)(4), for reporting requirements
- B. For closed vent system or vapor collection systems constructed of hard piping:
- (i) Title 40 CFR § 63.148(b)(1)(ii) (relating to Leak Inspection Provisions), for monitoring and testing requirements
 - (ii) Title 40 CFR § 63.148(i)(6) (relating to Leak Inspection Provisions), for recordkeeping requirements
- C. For facilities operating flow indicators:
- (i) Title 40 CFR § 63.148(f)(1) (relating to Leak Inspection Provisions), for monitoring and testing requirements
 - (ii) Title 40 CFR § 63.148(f)(1), (i)(3)(i) (relating to Leak Inspection Provisions), for recordkeeping requirements
 - (iii) Title 40 CFR § 63.148(j)(2) (relating to Leak Inspection Provisions), for reporting requirements

New Source Review Authorization Requirements

11. 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
12. 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.
13. 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, material safety data sheets (MSDS), 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.

- A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
- B. 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

- 14. 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.
- 15. 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

Protection of Stratospheric Ozone

16. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.
- A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
 - B. The permit holder shall comply with 40 CFR Part 82, Subpart A for controlling the production, transformation, destruction, export or import of a controlled (ozone-depleting) substance or product as specified in 40 CFR § 82.1 - § 82.13 and the applicable Part 82 Appendices.
 - C. The permit holder shall comply with the following 40 CFR Part 82, Subpart E requirements for labeling products using ozone-depleting substances:
 - (i) Title 40 CFR § 82.100 (relating to Purpose)
 - (ii) Title 40 CFR § 82.102(a)(1) - (3), (b), (c) (relating to Applicability);
 - (iii) Title 40 CFR § 82.104 (relating to Definitions)
 - (iv) Title 40 CFR § 82.106 - 112 (relating to Warning Statements and Labels)
 - (v) Title 40 CFR § 82.114 (relating to Labeling Containers of Controlled [ozone - depleting] Substances)

- (vi) Title 40 CFR § 82.116 (relating to Incorporation of Products Manufactured with Controlled [ozone-depleting] Substances)
 - (vii) Title 40 CFR § 82.120 (relating to Petitions)
 - (viii) Title 40 CFR § 82.122 (relating Certification, Recordkeeping, and Notice requirements)
 - (ix) Title 40 CFR § 82.124 (relating to Prohibitions)
- D. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.
- E. The permit holder shall comply with 40 CFR Part 82, Subpart A, § 82.13 related to recordkeeping and reporting requirements for the production and consumption of ozone depleting substances.

Alternative Requirements

17. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from (the EPA Administrator and/or TCEQ Executive Director), demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

18. 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)

19. 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

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

Unit Summary15

Applicable Requirements Summary17

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
EP910	BOILERS/ STEAM GENERATORS/ STEAM GENERATING UNITS	N/A	60Dc-1	40 CFR Part 60, Subpart Dc	No changing attributes.
EG PLANT	CHEMICAL MANUFACTURING PROCESS	N/A	63F-1	40 CFR Part 63, Subpart F	No changing attributes.
GC-537	DISTILLATION OPERATIONS	N/A	60NNN-1	40 CFR Part 60, Subpart NNN	No changing attributes.
GC-610	DISTILLATION OPERATIONS	N/A	60NNN-1	40 CFR Part 60, Subpart NNN	No changing attributes.
GC-620	DISTILLATION OPERATIONS	N/A	60NNN-1	40 CFR Part 60, Subpart NNN	No changing attributes.
GC-630	DISTILLATION OPERATIONS	N/A	60NNN-1	40 CFR Part 60, Subpart NNN	No changing attributes.
GC-710	DISTILLATION OPERATIONS	N/A	60NNN-1	40 CFR Part 60, Subpart NNN	No changing attributes.
GC-720	DISTILLATION OPERATIONS	N/A	60NNN-1	40 CFR Part 60, Subpart NNN	No changing attributes.
EP221	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
EP910	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	N/A	R5121-2	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
EP910	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	N/A	63G-3	40 CFR Part 63, Subpart G	No changing attributes.
RTO221	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	N/A	R5121-3	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
EGFUG1	FUGITIVE EMISSION UNITS	N/A	63H-1	40 CFR Part 63, Subpart H	No changing attributes.
PEG CG LOAD	LOADING/UNLOADING OPERATIONS	N/A	R5217-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
PEG CG LOAD	LOADING/UNLOADING OPERATIONS	N/A	63G-2	40 CFR Part 63, Subpart G	No changing attributes.
EP630A	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
EP630B	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
EP630C	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
EP725A	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
EP725B	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
EP730A	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
EP730B	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
EP740	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
EP750	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	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)
EP910	EU	60Dc-1	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
EP910	EU	60Dc-1	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
EG PLANT	PRO	63F-1	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.100(b) [G]§ 63.102(a) [G]§ 63.102(c) § 63.104(a) [G]§ 63.104(d) § 63.104(e) § 63.104(e)(1) [G]§ 63.104(e)(2) § 63.105(d)	Except as provided in paragraphs (b)(4) and (c) of this section, the provisions of subparts F, G, and H apply to chemical manufacturing process units that meet the criteria.	§ 63.103(b)(1) § 63.103(b)(3) § 63.103(b)(4) [G]§ 63.103(b)(5) § 63.103(b)(6) [G]§ 63.104(b)	[G]§ 63.103(c) [G]§ 63.104(e)(2) [G]§ 63.104(f)(1) [G]§ 63.105(b) § 63.105(c) § 63.105(e)	§ 63.103(b)(2) [G]§ 63.103(b)(5) [G]§ 63.103(d) [G]§ 63.104(f)(2)
GC-537	EP	60NNN-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(a) § 60.663(a)(1) § 60.663(a)(1)(i) § 60.663(a)(2) § 60.664(a) § 60.664(b) § 60.664(b)(1) § 60.664(b)(2) § 60.664(b)(3) [G]§ 60.664(b)(4)	§ 60.663(a)(1) § 60.663(a)(2) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2)	§ 60.665(a) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2)
GC-610	EP	60NNN-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a	§ 60.663(a) § 60.663(a)(1) § 60.663(a)(1)(i)	§ 60.663(a)(1) § 60.663(a)(2) § 60.665(b)	§ 60.665(a) § 60.665(b) [G]§ 60.665(b)(1)

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)
						concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(a)(2) § 60.664(a) § 60.664(b) § 60.664(b)(1) § 60.664(b)(2) § 60.664(b)(3) [G]§ 60.664(b)(4)	[G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(d)	§ 60.665(c) § 60.665(c)(1) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2)
GC-620	EP	60NNN-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(a) § 60.663(a)(1) § 60.663(a)(1)(i) § 60.663(a)(2) § 60.664(a) § 60.664(b) § 60.664(b)(1) § 60.664(b)(2) § 60.664(b)(3) [G]§ 60.664(b)(4)	§ 60.663(a)(1) § 60.663(a)(2) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(d)	§ 60.665(a) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2)
GC-630	EP	60NNN-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(a) § 60.663(a)(1) § 60.663(a)(1)(i) § 60.663(a)(2) § 60.664(a) § 60.664(b) § 60.664(b)(1) § 60.664(b)(2) § 60.664(b)(3) [G]§ 60.664(b)(4)	§ 60.663(a)(1) § 60.663(a)(2) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(d)	§ 60.665(a) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2)
GC-710	EP	60NNN-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(a) § 60.663(a)(1) § 60.663(a)(1)(i) § 60.663(a)(2) § 60.664(a) § 60.664(b) § 60.664(b)(1) § 60.664(b)(2) § 60.664(b)(3) [G]§ 60.664(b)(4)	§ 60.663(a)(1) § 60.663(a)(2) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(d)	§ 60.665(a) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2)

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)
GC-720	EP	60NNN-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(a) § 60.663(a)(1) § 60.663(a)(1)(i) § 60.663(a)(2) § 60.664(a) § 60.664(b) § 60.664(b)(1) § 60.664(b)(2) § 60.664(b)(3) [G]§ 60.664(b)(4)	§ 60.663(a)(1) § 60.663(a)(2) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(d)	§ 60.665(a) § 60.665(b) [G]§ 60.665(b)(1) § 60.665(c) § 60.665(c)(1) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2)
EP221	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
EP221	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
EP910	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(c)(1) § 115.122(c)(1) § 115.122(c)(1)(A)	Any process vent containing one or more VOC or classes of VOC specified in §115.121(c)(1)(A)-(C), shall be controlled as per §115.122(c)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2)	None
EP910	EP	63G-3	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(2) § 63.113(h) [G]§ 63.115(f) § 63.116(b)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as	§ 63.114(a) § 63.114(a)(1)(i) § 63.114(d)(1) § 63.114(e) [G]§ 63.115(f)	§ 63.114(a)(1) § 63.114(d)(1) § 63.118(a)(1) § 63.118(a)(2) § 63.118(a)(3)	§ 63.114(e) § 63.117(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(3)

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)
						specified. §63.113(a)(2)(i)-(ii)		[G]§ 63.152(a) [G]§ 63.152(f)	[G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
RTO221	EP	R5121-3	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(C) § 115.127(c)(1)	A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(C)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C)	None
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.165 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(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)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Sampling connection systems. §63.166(a)-(c)	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Surge control vessels and bottom receivers.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) [G]§ 63.172(h)	Owners/operators of closed-vent systems and	[G]§ 63.172(f)(1) [G]§ 63.172(f)(2)	§ 63.181(a) [G]§ 63.181(b)	[G]§ 63.182(a) [G]§ 63.182(b)

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)
					§ 63.172(i) § 63.172(m)	control devices used to comply with provisions of this subpart shall comply with the provisions of this section, except as provided in §63.162(b).	§ 63.172(g) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	§ 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(c) § 63.172(e) [G]§ 63.172(h) § 63.172(m)	Enclosed combustion devices shall be designed and operated to reduce the organic HAP or VOC emissions vented to them with requirements as specified in this section.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a)	Standards: Open-ended valves or lines. §63.167(a)-	[G]§ 63.175 [G]§ 63.180(b)	§ 63.181(a) [G]§ 63.181(b)	[G]§ 63.182(a) [G]§ 63.182(b)

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)
					§ 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	(e).	[G]§ 63.180(d)	§ 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	§ 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
EGFUG1	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h)	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(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)
					[G]§ 63.171 [G]§ 63.175			[G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	
PEG CG LOAD	EU	R5217-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(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
PEG CG LOAD	EU	63G-2	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.126(c)	For each Group 2 transfer rack, maintain records as required in § 63.130(f). No other provisions for transfer racks apply to the Group 2 transfer rack.	None	§ 63.130(f) § 63.130(f)(1) § 63.130(f)(2) § 63.130(f)(3) § 63.130(f)(3)(i) § 63.130(f)(3)(ii)	§ 63.152(c)(4)(iii)
EP630A	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)
EP630B	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)
EP630C	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as	None	§ 63.123(a)	§ 63.152(c)(4)(iii)

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)
						prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.			
EP725A	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)
EP725B	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)
EP730A	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)
EP730B	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)
EP740	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as	None	§ 63.123(a)	§ 63.152(c)(4)(iii)

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)
						prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.			
EP750	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)

Permit Shield

Permit Shield 28

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		
EP910	N/A	30 TAC Chapter 112, Sulfur Compounds	The unit is not a liquid fuel-fired steam generator, furnace, or heater.
EP910	N/A	40 CFR Part 60, Subpart D	The unit does not have a heat input of greater than 250 MMBtu/hr.
EP910	N/A	40 CFR Part 60, Subpart Da	The unit is not an electric steam generator.
EP910	N/A	40 CFR Part 60, Subpart Db	The unit does not have a heat input capacity of greater than 100MMtu/hr.
GC-537	N/A	40 CFR Part 63, Subpart G	The vent from the distillation operation is not defined as a process vent under SOCFI HON, since the gas stream does not contain greater than 0.005- wt% total organic HAPS.
GC-610	N/A	40 CFR Part 63, Subpart G	The vent from the distillation operation is not defined as a process vent under SOCFI HON, since the gas stream does not contain greater than 0.005- wt% total organic HAPS.
GC-620	N/A	40 CFR Part 63, Subpart G	The vent from the distillation operation is not defined as a process vent under SOCFI HON, since the gas stream does not contain greater than 0.005- wt% total organic HAPS.
GC-630	N/A	40 CFR Part 63, Subpart G	The vent from the distillation operation is not defined as a process vent under SOCFI HON, since the gas stream does not contain greater than 0.005- wt% total organic HAPS.
GC-710	N/A	40 CFR Part 63, Subpart G	The vent from the distillation operation is not defined as a process vent under SOCFI HON, since the gas stream does not contain greater than 0.005- wt% total organic HAPS.

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		
GC-720	N/A	40 CFR Part 63, Subpart G	The vent from the distillation operation is not defined as a process vent under SOCFI HON, since the gas stream does not contain greater than 0.005- wt% total organic HAPS.
EP221	N/A	40 CFR Part 63, Subpart G	Vent does not meet the definition of a process vent defined in 40 CFR 63 Subpart F.
EGFUG1	N/A	40 CFR Part 60, Subpart VV	The EG Plant is a SOCFI HON Unit. In accordance with 63.160(b)(1), equipment to which 40 CFR 63 Subpart H applies that are also subject to the provision of 40 CFR part 60 will be required to comply only with the provisions of 40 CFR 63 Subpart H.
EGFUG1	N/A	40 CFR Part 60, Subpart DDD	The Ethylene Glycol Plant is not involved in the manufacture of the applicable polymers.
EGFUG1	N/A	40 CFR Part 60, Subpart KKK	The facility is not located at an onshore natural gas processing plant.
EGFUG1	N/A	40 CFR Part 61, Subpart J	The facility does not produce benzene.
EGFUG1	N/A	40 CFR Part 61, Subpart V	No sources are operated in VHAP service.
EG-CT	N/A	40 CFR Part 63, Subpart Q	The cooling tower has not operated with chromium based water treatment chemicals on or after 9/8/1994.
EP6	N/A	40 CFR Part 63, Subpart T	EP6 does not use a hazardous air pollutant solvent or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight.

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		
EP615	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC stored has a true vapor pressure of less than 1.5 psia.
EP615	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 05/19/1978.
EP615	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP615	N/A	40 CFR Part 63, Subpart G	The tank is a surge control vessel, and is excluded from the definition of a storage vessel included in 40 CFR 63 Subparts F and G.
EP615	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60, 61 or 63 and references this subpart for control of air emissions.
EP630A	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC stored has a true vapor pressure of less than 1.5 psia.
EP630A	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 5/19/1978.
EP630A	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP630A	N/A	40 CFR Part 60, Subpart Kb	40 CFR Part 63 Subpart G applies to these tanks. Group 1 and Group 2 storage that are also subject to provisions of 40 CFR Part 60, Subpart Kb are required to comply only with the provision of 40 CFR Part 63 Subpart G.
EP630A	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60,61 or 63 and references this subpart for control of air emissions.

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		
EP630B	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC stored has a true vapor pressure of less than 1.5 psia.
EP630B	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 5/19/1978.
EP630B	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP630B	N/A	40 CFR Part 60, Subpart Kb	40 CFR Part 63 Subpart G applies to these tanks. Group 1 and Group 2 storage that are also subject to provisions of 40 CFR Part 60, Subpart Kb are required to comply only with the provision of 40 CFR Part 63 Subpart G.
EP630B	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60, 61, or 63 and references this subpart for control of air emissions.
EP630C	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC stored has a true vapor pressure of less than 1.5 psia.
EP630C	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 5/19/1978.
EP630C	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP630C	N/A	40 CFR Part 60, Subpart Kb	40 CFR Part 63 Subpart G applies to these tanks. Group 1 and Group 2 storage that are also subject to provisions of 40 CFR Part 60, Subpart Kb are required to comply only with the provision of 40 CFR Part 63 Subpart G.
EP630C	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60,61, or 63 and references this subpart for control of air

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		
			emissions.
EP725A	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC stored has a true vapor pressure of less than 1.5 psia.
EP725A	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 5/19/1978.
EP725A	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP725A	N/A	40 CFR Part 60, Subpart Kb	40 CFR Part 63 Subpart G applies to these tanks. Group 1 and Group 2 storage that are also subject to provisions of 40 CFR Part 60, Subpart Kb are required to comply only with the provisions of 40 CFR Part 63 Subpart G.
EP725A	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60, 61, or 63 and references this subpart for control of air emissions.
EP725B	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC stored has a true vapor pressure of less than 1.5 psia.
EP725B	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 5/19/1978.
EP725B	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP725B	N/A	40 CFR Part 60, Subpart Kb	40 CFR Part 63 Subpart G applies to these tanks. Group 1 and Group 2 storage that are also subject to provisions of 40 CFR Part 60, Subpart Kb are required to comply only with the provisions of 40 CFR Part 63 Subpart G.

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		
EP725B	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60, 61, or 63 and references this subpart for control of air emissions.
EP730A	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC store has a true vapor pressure of less than 1.5 psia.
EP730A	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 5/19/1978.
EP730A	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP730A	N/A	40 CFR Part 60, Subpart Kb	40 CFR Part 63 Subpart G applies to these tanks. Group 1 and Group 2 storage that are also subject to provisions of 40 CFR Part 60, Subpart Kb are required to comply only with the provisions of 40 CFR Part 63 Subpart G.
EP730A	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60, 61, or 63 and reference this subpart for control of air emissions.
EP730B	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC stored has at true vapor pressure of less than 1.5 psia.
EP730B	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 5/19/1978.
EP730B	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP730B	N/A	40 CFR Part 60, Subpart Kb	40 CFR Part 63 Subpart G applies to these tanks. Group 1 and Group 2 storage that are also subject to provisions of 40 CFR Part 60, Subpart Kb are required to comply only with the provision of 40 CFR Part 63 Subpart G.

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		
EP730B	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60, 61, or 63 and references this subpart for control of air emissions.
EP740	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC stored has a true vapor pressure of less than 1.5 psia.
EP740	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 5/19/1978.
EP740	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP740	N/A	40 CFR Part 60, Subpart Kb	40 CFR Part 63 Subpart G applies to these tanks. Group 1 and Group 2 storage that are also subject to provisions of 40 CFR Part 60, Subpart Kb are required to comply only with the provision of 40 CFR Part 63 Subpart G.
EP740	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60, 61, 63 and references this subpart for control of air emissions.
EP750	N/A	30 TAC Chapter 115, Storage of VOCs	The VOC stored has a true vapor pressure of less than 1.5 psia.
EP750	N/A	40 CFR Part 60, Subpart K	Tank was constructed after 05/19/1978.
EP750	N/A	40 CFR Part 60, Subpart Ka	Tank was constructed after 7/23/1984.
EP750	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart within 40 CFR 60, 61, or 63.

New Source Review Authorization References

New Source Review Authorization References 36

New Source Review Authorization References by Emission Unit..... 37

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.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1234	Issuance Date: 04/02/2013
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.: 19198	Issuance Date: 04/02/2013
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2003
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 03/14/1997
Number: 106.511	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
EG PLANT	ETHYLENE GLYCOL PLANT	19198, PSDTX1234
EG-CT	EG COOLING TOWER	19198, PSDTX1234
EGFUG1	PIPING FUGITIVES	19198, PSDTX1234
EP221	CO2 REGENERATOR VENT	19198, PSDTX1234
EP615	GT615 TANK	19198, PSDTX1234
EP630A	GT630A TANK	19198, PSDTX1234
EP630B	GT630B TANK	19198, PSDTX1234
EP630C	GT630C TANK	19198, PSDTX1234
EP6	ETHYLENE GLYCOL DEGREASER	19198, PSDTX1234
EP725A	GT725A TANK	19198, PSDTX1234
EP725B	GT725B TANK	19198, PSDTX1234
EP730A	GT730A TANK	19198, PSDTX1234
EP730B	GT730B TANK	19198, PSDTX1234
EP740	GT740 TANK	19198, PSDTX1234
EP750	GT750 TANK	19198, 106.478/03/14/1997, PSDTX1234
EP910	WASTE HEAT BOILER A/B	19198, PSDTX1234
GC-537	SEVENTH EFFECT COLUMN	19198, PSDTX1234
GC-610	DRYING COLUMN	19198, PSDTX1234

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
GC-620	MEG COLUMN	19198, PSDTX1234
GC-630	MEG SPLITTER	19198, PSDTX1234
GC-710	DEG COLUMN	19198, PSDTX1234
GC-720	TEG COLUMN	19198, PSDTX1234
PEG CG LOAD	PEG/CRUDE GLYCOL LOADING	19198, PSDTX1234
RTO221	RTO VENT	19198, PSDTX1234

Alternative Requirement

Alternative Requirement40

Huston, Chairman
"Ralph" Marquez, Commissioner
John M. Baker, Commissioner
Jeffrey A. Saitas, Executive Director



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

February 25, 2001

Mr. Brian Meek
Environmental, Health, and Safety
Formosa Plastics Corporation, Texas
P. O. Box 700
Point Comfort, Texas 77978

Re: Extension of Period to Replace Tank Seals. Chevron North Facility Texas Natural Resource Conservation Commission Air Account CB-0038-Q

Dear Mr. Meek,

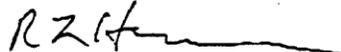
This is in response to your letter of August 8, 2000 for approval of alternative monitoring for flow rate monitoring of vents going to incinerators from several distillation columns. This approval is granted as specified in this letter.

The flow rate monitoring is required under Title 40, Code of Federal Regulations, Chapter 60 (40 CFR 60), Subpart NNN. Specifically, 40 CFR 60.663(a) requires a flow rate monitor on each vent going to an affected incinerator and 40 CFR 665(d) requires the source to record when the flow is zero and when the incinerator is by-passed. The U. S. Environmental Protection Agency (EPA) has previously approved Subpart NNN sources to use the flow rate monitoring and record keeping of Subpart RRR, 40 CFR 703(a) and 705(d), which require that the flow rate to the by-pass vent be monitored unless that vent is locked shut, instead of those of Subpart NNN. Therefore, Formosa may begin using Subpart RRR rather than the cited sections of Subpart NNN.

Please note that although your letter requested using the requirements of 40 CFR 63.114(d), these appear to be identical with the Subpart RRR requirements cited. The EPA is being notified of this approval by copy of this letter.

Contact me with any questions at the above letterhead address, Mail Code MC-171, or call me at (512) 239-1554. My fax number is (512) 239-1911 and my e-mail address is rhughes@tnrcc.state.tx.us.

Sincerely,


Richard L. Hughes, P.E.
Engineering Services Team, Air Section
Enforcement Division

RH/sl

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000 • Internet address: www.tnrcc.state.tx.us

Appendix A

Acronym List 42

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

Appendix B

Major NSR Summary Table..... 44

Major NSR Summary Table

Permit Number: 19198 and PSDTX1234 Issuance Date: 4/2/2013							
Emission	Source	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
Point No. (1)	Name (2)		lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
EG-CT	Cooling Tower	VOC	1.99	8.69	18	18	
EP221	CO ₂ Regenerator Vent and CO ₂ Recovery System (6)	VOC	115.42	10.39	20, 22, 23	20, 22, 23	20, 23, 25
RTO221	RTO Vent (Normal Operation)	NO _x	0.51	2.25	11, 15	11, 15	15, 25
		CO	0.43	1.89	11, 15	11, 15	15, 25
		VOC	1.50	6.65	11, 15	11, 15	15, 25
		PM ₁₀	0.04	0.17	11, 15	11, 15	15, 25
		PM _{2.5}	0.04	0.17	11, 15	11, 15	15, 25
		SO ₂	0.01	0.01	11, 15	11, 15	15, 25
EP552	Caustic Tank GT552	NaOH	0.01	0.01	8	8	25
EP615	GT615 Tank	VOC	2.55	0.34	8	8	25
EP630A	GT630A Tank	VOC	0.22	0.11	8, 17	8, 17	17, 25
EP630B	GT630B Tank	VOC	0.22	0.11	8, 17	8, 17	17, 25
EP630C	GT630C Tank	VOC	0.22	0.11	8, 17	8, 17	17, 25
EP725A	GT725A Tank	VOC	0.01	0.01	8, 17	8, 17	17, 25
EP725B	GT725B Tank	VOC	0.01	0.01	8, 17	8, 17	17, 25
EP730A	GT730A Tank	VOC	0.01	0.01	8, 17	8, 17	17, 25
EP730B	GT730B Tank	VOC	0.01	0.01	8, 17	8, 17	17, 25
EP740	GT740 Tank	VOC	0.01	0.01	8, 17	8, 17	17, 25
EP750	GT750 Tank	VOC	0.01	0.01	8, 17	8, 17	17, 25
EP806	GT806 Tank	VOC	0.41	0.38	8	8	25
EP807	GT807 Tank	VOC	0.41	0.38	8	8	25
EP808	GT808 Tank	VOC	0.02	0.02	8	8	25
EP809	GT809 Tank	VOC	0.01	0.01	8	8	25
EP910	Common Incinerator Stack	CO	1.56	6.83	12, 13, 15, 20, 21	12, 15, 20, 21	15, 20, 25
		CO MSS	4.00	-	12, 13, 15, 20	12, 15, 20, 26	15, 20, 25
		NO _x	1.44	6.31	12, 13, 15	12, 15	15, 25
		PM ₁₀	0.25	1.08	12, 15, 16	12, 15, 16	15, 16, 25
		SO ₂	0.03	0.11	12, 13, 15, 16	12, 15, 16, 17	15, 16, 25
		VOC	0.06	0.25	12, 13, , 15, 17, 20	12, 15, 17, 20	15, 17, 20, 25
PF-LO1	Crude Glycol and PEG Loading Losses	VOC	1.25	0.02	28	28	25
EGFUG1	Process Piping Fugitives (5)	EtO	0.07	0.32	2, 3, 5, 7, 17	2, 3, 5, 7, 17	2, 17, 25
		VOC (7)	1.86	8.11	2, 3, 5, 7, 17	2, 3, 5, 7, 17	2, 25, 17
EGMAINTAB	Equipment MSS Emissions (8)	VOC	223.00	1.00	28, 29	27, 28, 29, 31	25, 26
		PM	0.29	0.30	29	27, 29, 31	25

Permit Number: 19198 and PSDTX1234 Issuance Date: 4/2/2013

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements Spec. Cond.	Recordkeeping Requirements Spec. Cond.	Reporting Requirements Spec. Cond.
			lb/hr	TPY (4)			
		PM ₁₀	0.12	0.30	29	27, 29, 31	25
		PM _{2.5}	0.09	0.20	29	27, 29, 31	25
EGMAINTC	Equipment MSS Emissions (9)	VOC	2430.00	21.10	28, 29	27, 28, 29	25

Footnotes:

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) Air contaminants referenced in the MAERT are identified as follows:
 - EtO - ethylene oxide
 - NaOH - sodium hydroxide
 - CO - carbon monoxide
 - NOx - total oxides of nitrogen
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - SO₂ - sulfur dioxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Emission rates are associated with MSS activities.
- (7) Ethylene oxide emissions are not included in the VOC emissions total.
- (8) Emission rates are associated with activities listed in Attachments A and B of NSR Permit Number 19198.
- (9) Emission rates are associated with activities listed in Attachment C of NSR Permit Number 19198.