TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 13, 2010

MR CARL E EDLUND PE
DIRECTOR MULTIMEDIA PLANNING AND PERMITTING DIVISION
US ENVIRONMENTAL PROTECTION AGENCY REGION 6
1445 ROSS AVE STE 1200
DALLAS TX 75202-5766

Re: Executive Director's Response to EPA Objection
Renewal
Permit Number: O2113
Chevron Phillips Chemical Company LP
Ethylene Unit (EU 1592) and Utilities
Baytown, Harris County
Regulated Entity Number: RN103919817
Customer Reference Number: CN600303614
Account Number: HG-0310-V

Dear Mr. Edlund:

On October 30, 2009, the U.S. Environmental Protection Agency Region 6 Office signed a letter identifying objections to the issuance of the proposed federal operating permit for the above-referenced site. In accordance with Title 30 Texas Administrative Code § 122.350 (30 TAC § 122.350), the Texas Commission on Environmental Quality (TCEQ) may not issue the permit until the objections are resolved. In addition, the letter identifies certain additional concerns. The TCEQ understands that the additional concerns are provided for information only, and do not need to be resolved in order to issue the permit.

The TCEQ has completed the technical review of your objections and offers the enclosed responses to facilitate resolution of the objections. In addition, the attached responses to the objections describe the changes, if applicable, that have been made to the revised proposed permit and supporting statement of basis (SOB). The revised proposed permit and SOB are attached for your review.

Consistent with 30 TAC §122.350, please provide an indication of your acceptance or assessment of the responses and resolutions to the objections as soon as possible. After receipt of your acceptance to the responses and resolutions to the objections, TCEQ will issue the proposed permit. Thank you for your cooperation in this matter. Please contact Ms. Angie Eastman at (512) 239-5945 if you have any questions concerning this matter.

Sincerely,

Steve Hagle, P.E., Director
Air Permits Division
Office of Permitting and Registration
Texas Commission on Environmental Quality

SH/AE/bb

cc: Mr. Philip S. Crepinsek, Environmental Engineer, Chevron Phillips Chemical Company LP, Baytown
Mr. Van G. Long, General Manager, Manufacturing, Chevron Phillips Chemical Company LP, Baytown
Director, Environmental Public Health Division, Harris County Public Health and Environmental Services, Pasadena
Air Section Manager, Region 12 - Houston

Enclosures: TCEQ Executive Director's Response to EPA Objection
Proposed Permit
Statement of Basis

Project Number: 13303

EXECUTIVE DIRECTOR'S RESPONSE TO EPA OBJECTION

Permit Number O2113

The Texas Commission on Environmental Quality (TCEQ) Executive Director provides this Response to EPA's Objection to the renewal of the Federal Operating Permit (FOP) for Chevron Phillips Chemical Company LP, Chevron Phillips Chemical Cedar Bayou Plant, Permit No. O2113, Harris County, Texas.

BACKGROUND

Procedural Background

The Texas Operating Permit Program requires that owners and operators of sites subject to 30 Tex. Admin. Code (TAC) Chapter 122 obtain a FOP that contains all applicable requirements to facilitate compliance and improve enforcement. The FOP does not authorize construction or modifications to facilities, and it does not authorize emission increases. To construct or modify a facility, the responsible party must have the appropriate new source review authorization. If the site is subject to 30 TAC Chapter 122, the owner or operator must submit a timely FOP application for the site and ultimately must obtain the FOP to operate. Chevron Phillips Chemical Company LP applied to the TCEQ for a renewal of the FOP for the Chevron Phillips Chemical Cedar Bayou Plant located in Baytown, Harris County on February 13, 2009, and notice was published on September 10, 2009 date in *Baytown Sun* and in *La Prensa de Houston* in Spanish. The public comment period ended on October 30, 2009. During the concurrent EPA review period, TCEQ received an objection to the permit from EPA on October 30, 2009.

In accordance with state and federal rules, the permit renewal may not be issued until TCEQ resolves EPA's objections.

Description of Site

Chevron Phillips Chemical Company LP, operates the Ethylene Unit (EU 1592) and Utilities allocated at approximately 20 miles east of Houston in Baytown, Harris County, Texas 77521. The Ethylene Unit (EU 1592) and Utilities is part of the Chevron Phillips Chemical Cedar Bayou Plant, which has a total of four Title V permits. The principal manufacturing process at the Chevron Phillips Chemical Cedar Bayou Plant has both linear low-density polyethylene (LLDPE) and high-density polyethylene (HDPE) units. The Ethylene Unit (EU 1592) and Utilities Title V Permit No. O2113 contains requirements for all of the production units sources associated with the manufacturing of ethylene and the plant utilities (i.e. boilers, superheater furnaces, related auxiliary equipment, and treatment equipment for the facility's process wastewater, etc.).

The following responses follow the references used in EPA's objection letter.

EPA OBJECTION: *Objection to the Incorporation of Permit No. 1504A and PSD-TX-748 into the Title V permit.* The *New Source Review (NSR) Authorization References* table in the draft Title V permit incorporates by reference Permit No. 1504A and PSD-TX-748. Available information indicates that on January 31, 2007, Chevron Phillips Chemical Company forwarded

a Form PI-E to TCEQ (Notification of Changes to Qualified Facilities). Based upon TCEQ's review of the information, TCEQ had no objection to the proposed change. This change affects Permit No. 1504A and PSD-TX-748 under Texas Qualified Facilities Program. This program authorizes facilities to become "qualified" to net out of NSR SIP permitting requirements under 30 TAC § 116.118 (pre-change qualification). To date EPA has not approved the Texas Qualified Facilities Program revisions into the Texas SIP, pursuant to Section 110 of the federal Clean Air Act (CAA), 42 U.S.C. § 7410. Therefore, pursuant to 40 CFR § 70.8(c)(1), EPA must object to the issuance of this Title V permit because physical or operational changes made under the Qualified Facility rule cannot be determined to be in compliance with the applicable requirements of the Texas SIP. The failure to have submitted information necessary to make this determination constitutes an additional basis for this objection, pursuant to 40 CFR § 70.8(c)(3)(ii). In response to this objection, TCEQ must revise the draft Title V permit to include a condition that specifically requires the source to prepare and submit to TCEQ a written analysis of any future change/modification to ensure that minor and/or major new source review requirements under the federally-approved Texas SIP have not been triggered. This source must comply with *both* the requirements of the approved SIP *and* with any requirements of the State.

TCEQ RESPONSE: As a preliminary matter, the resolution of EPA concerns regarding qualified facility changes is a common objective for both TCEQ and the EPA. The EPA concerns discussed below regarding the use of the Title V permitting process to challenge qualified facility changes on a case-by-case basis does not diminish the importance of reaching an expeditious resolution to this NSR issue. The ED recognizes that the Qualified Facility rules, located in 30 TAC Chapter 116, §§ 116.116(e), 116.117 and 116,118 and submitted to EPA initially in 1996 and after re-adoption in 1998, have not been approved into the Texas SIP, and were specifically disapproved by EPA effective May 14, 2010. See 75 Fed. Reg. 19468 (April 14, 2010). The commission proposed rule changes to address concerns noted by EPA regarding the approvability of the Qualified Facilities program. See 35 Tex. Reg. 2978 (April 16, 2010). The Commission is anticipated to take up the rules for adoption on September 15, 2010. However, the Texas federal operating permit (FOP) program is EPA-approved. TCEQ reviews applications and issues FOPs according to EPA-approved program rules found in 30 Texas Administrative Code (TAC), Chapter 122. The Texas Operating Permit Program was granted full approval on December 6, 2001 (66 FR 63318), and subsequent rule changes were approved on March 30, 2005 (70 FR 161634). The application procedures, found in 30 TAC § 122.132(a) require an applicant to provide any information required by the ED to determine applicability of, or to codify any "applicable requirement." In order for the ED to issue an FOP, the permit must contain all applicable requirements for each emission unit (30 TAC § 122.142). "Applicable requirement" is specifically defined in 30 TAC § 122.10(2)(h) to include all requirements of 30 TAC Chapter 116 and any term and condition of any preconstruction permit. As a Chapter 116 authorization mechanism, Qualified Facility changes are applicable requirements, and shall be included in applications and Texas issued FOPs, in compliance with Texas' approved program. According to the EPA review procedures in 30 TAC § 122.350(c), EPA may only object to issuance of any proposed permit which is not in compliance with the applicable requirements or requirements of Chapter 122. Therefore, this

objection is not valid under the program EPA has approved in Texas because the applicant provided information as to the applicable Chapter 116 requirements, including Qualified Facility changes, and the ED has included these requirements in the draft FOP. EPA objections to individual permits issued under an EPA approved operating permit program are not appropriate for concerns that relate to approved program elements.

EPA's objection notes that the Qualified Facility rules allow facilities to become "qualified" to net out of NSR SIP Permitting requirements under 30 TAC § 116.118 (pre-change qualification). However, any change made at a qualified facility must comply with PSD and nonattainment NSR, (§ 116.117(a)(4)), must be reported annually to the commission, (§ 116.117(b)), and may be incorporated into the minor NSR permit at amendment or renewal (§ 116.117(c)). The Qualified Facilities rules in Chapter 116 provide that changes may be made to existing facilities without triggering the statutory definition of modification of existing facility found in Texas Clean Air Act (TCAA), Texas Health and Safety Code (THSC), § 382.003(9) if either of the following conditions are met: the facility has received a preconstruction permit or permit amendment no earlier than 120 months before the change will occur, or regardless of whether the facility has received a preconstruction permit or permit amendment, uses control technology that is at least as effective as the BACT that the commission required or would have required for a facility of the same class or type as a condition of issuing a permit or permit amendment 120 months before the change will occur. Facilities that meet these requirements are designated as "qualified facilities." The rules do not allow construction of a new facility, nor can the change result in a net increase in allowable emissions of any air contaminant, or allow the emissions of an air contaminant category that did not previously exist at the facility undergoing the change. The use of the terminology in the phrase "net increase in allowable emissions of any air contaminant" in § 116.116(e), Changes to Qualified Facilities, should not be confused with federal terminology, where "net increase" has specific meaning as it relates to federal (major) NSR applicability involving comparison of actual emissions. The qualified facility program compares allowable emissions at one facility to allowable emissions of the same type at another facility at a single site. Prior to making this comparison, the owner or operator must determine if a project requires federal nonattainment (NA) or prevention of significant deterioration (PSD) review. This is accomplished by comparing a facility's baseline actual emission rate to the planned emission rate resulting from the change using either proposed actual emissions or the facility's potential to emit (PTE), to a significance level for the pollutant involved. If the projected emissions increase equals or exceeds the significance level, the facility owner or operator must compute the result of all emissions increases and decreases at the facility according to the definition of contemporaneous period as defined in § 116.12, Nonattainment and Prevention of Significant Deterioration Review Definitions, to determine the net emission increase. If this net increase equals or exceeds a major modification threshold, then federal major NSR is triggered, and the proposed change cannot be authorized using a qualified facility claim. The federal major NSR permitting program contemplates increases in both actual and allowable emissions through the approval of new permits. The qualified facilities program explicitly excludes the inclusion of new facilities or any increases in allowable emissions. Such changes must be accomplished through the use of another approved permitting program. The

qualified facilities program is designed to allow minor changes at individual facilities within a single site by trading allowable emissions between facilities. A qualified facilities change results in no change to total allowable emissions that are authorized at a single site. Additionally, any change that moves emissions closer to a site boundary is carefully evaluated to ensure no adverse effects.

The ED disagrees with the allegation that the failure of the applicant to have submitted information necessary to make a determination of whether they were in compliance with the SIP constitutes an additional basis for this objection, pursuant to 40 CFR §70.8(c)(3)(ii). Section 70.8(c)(3)(ii) is premised on the permitting authority not "submitting any information necessary [for EPA] to review adequately the proposed permit." The ED has provided all information requested by EPA, when asked, including NSR permits and other supporting information. Additionally, the Qualified Facility rules, and subsequent authorizations, which may be incorporated into SIP approved minor NSR permits at amendment or renewal, pursuant to 30 TAC § 116.117(c) clearly do not allow sources to utilize the Qualified Facility authorization mechanism to circumvent major NSR permitting requirements. Specifically, 30 TAC Chapter 116 requires that all new major sources or major modifications be authorized through nonattainment or PSD permitting under Subchapter B, Divisions 5 and 6, and reiterates that documentation must be kept for changes at Qualified Facilities that demonstrates that the change meets the requirements of Subchapter B, Divisions 5 and 6. The commission has made this position clear since proposing and adopting rules to implement the legislative changes resulting in the flexibility available to qualified facilities. See the adoption of the qualified facility rules, 21 Tex Reg. 1569, February 27, 1996; TNRCC Guidance Document "Modification of Existing Facilities Under Senate Bill 1126" dated April 1996, RG-223; and comments submitted by the TCEQ regarding EPA's proposed disapproval of the qualified facility rules, Docket ID No. EPA-R06-OAR-2005-TX-0025. EPA's delay in acting on the Qualified Facility rules, the approval of the state's federal operating permit program and confusion regarding whether the approved federal operating permit program provided federal enforceability for Qualified Facility changes, resulted in a very long period of detrimental reliance on this permit mechanism by regulated entities and TCEQ.

It is not appropriate, necessary or legally required under either 40 CFR Part 70 or the EPA approved federal operating permit program in Texas to require a condition in the operating permit to require a source to prepare and submit a written analysis of any future change / modification to ensure that minor and/or major NSR requirements under the SIP have not been triggered. The federally approved SIP already requires this analysis as part of any future NSR review. See 30 TAC Chapter 116, Subchapter B, Divisions 5 and 6. Minor NSR applicability requirements are adequately specified in the permit and commission rules governing NSR permits; thus, the applicant is currently subject to the requirements to demonstrate, upon any future change, when minor or major NSR requirements will apply. Again, with regard to qualified facilities, the TCEQ will continue its dialogue with EPA to achieve the goal of a SIP-approved minor NSR program that includes the flexibility provided for qualified facilities by the Texas Legislature.

EPA OBJECTION: *Objection to the incorporation by reference of PSD Permit.* The *New Source Review Authorization References* table of the draft Title V permit incorporates PSD-TX-748, most recently amended on February 22, 2008, by reference, EPA has discussed the issue of incorporation by reference in *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program* (March 5, *1996)(White Paper* 2). As EPA explained in White Paper 2, incorporation by reference may be useful in many instances, though it is important to exercise care to balance the use of incorporation by reference with the obligation to issue permits that are clear and meaningful to all affected parties, including those who must comply with or enforce their conditions. *Id* at 34-38. See also *In the Matter of Tesoro Refining and Marketing,* Petition No. IX-2004-6 at 8 (March 15, 2005)(*Tesoro Order*). As EPA noted in the *Tesoro Order,* EPA's expectations for what requirements may be referenced and for the necessary level of detail are guided by Sections 504(a) and (c) of the CAA and corresponding provisions at 40 CFR § 70.6(a)(l) and (3). *Id.* Generally, EPA expects that Title V permits will explicitly state all emission limitations and operational requirements for all applicable emission units at a facility. *Id.* We note that TCEQ's use of incorporation by reference for emissions limitations from minor NSR permits and Permits by Rule is currently acceptable. See 66 Fed. Reg. 63318, 63324 (Dec. 6, 2001); *see also, Public Citizen v. EPA, 343* F.3d 449, at 460-61 (5th Cir. 2003)(upholding EPA's approval of TCEQ's use of incorporation by reference for emissions limitations from minor NSR permits and Permits by Rule). In approving Texas' limited use of incorporation by reference of emissions limitations from minor NSR permits and Permits by Rule, EPA balanced the streamlining benefits of incorporation by reference against the value of a more detailed Title V permit and found Texas' approach for minor NSR permits and Permits by Rule acceptable. *See Public Citizen*, 343 F.3d, at 460-61. EPA's decision approving this use of IBR in Texas' program was limited to, and specific to, minor NSR permits and Permits by Rule in Texas. EPA noted the unique challenge Texas faced in integrating requirements from these permits into Title V permits. *See 66* Fed. Reg. at 63,326; 60 Fed. Reg. at 30,039; 59 Fed. Reg ,44572, 44574. EPA did not approve (and does not approve of) TCEQ' s use of incorporation by reference of emissions limitations for other requirements. See *In the Matter of Premcor Refining Group, Inc.*, Petition No. VI-2007-02 at 5 and *In the Matter of CITGO Refining and Chemicals Co.*, Petition No. VI-2007-01 at 11. Pursuant to 40 § CFR 70.8(c)(1), EPA objects to the issuance of the Title V permit because it incorporates by reference the major New Source Review permit PSD-TX-748 and fails to include emission limitations and standards as necessary to assure compliance with all applicability requirements. See 40 CFR § 70.6(a)(l). In response to this objection, TCEQ must include (as conditions of the Title V permit) all the emission limitations and standards of PSD-TX-748 necessary to ensure compliance with all applicable requirements. Alternatively, TCEQ could add conditions to the Title V permit that specify those provisions of PSD-TX-748 necessary to ensure such compliance with all applicable requirements and physically attach a copy of PSD-TX-748 to the Title V permit.

TCEQ RESPONSE: In response to EPA's objection, the ED has revised permit No. O2113 to include, in a new Appendix B of the permit, a copy of PSD-TX-748 and its/their corresponding

terms and conditions, and emission limitations. With regard to IBR of major NSR, the ED respectfully disagrees with EPA's interpretation of its approval of Texas's operating permit program on this issue. The ED recognizes that respective agency staff are actively involved in continuing, extensive discussions on how to resolve this issue; namely, how much detail of the underlying major NSR authorization should be reiterated in the face of the Title V permit. The federally approved operating permit program for Texas has allowed for applicable requirements to be incorporated by reference into the FOP since 1996. *See* Final Interim Approval, 61 Fed. Reg. 32693, June 25, 1996; Final Full Approval, 66 Fed. Reg. 63318, December 6, 2001; and Final Approval of Resolution of Deficiency, 70 Fed. Reg. 16134, March 30, 2005. Title 30 TAC § 122.142 states that the operating permit shall contain the specific regulatory citations in each applicable requirement identifying the emission limitations and standards. Additionally, EPA discussed the use of incorporation by reference in the preamble to the final Part 70 rule, discussing the requirements of § 70.6, Permit Content, stating:

> Section 70.6(a)(1)(i) requires that the permit reference the authority for each term and condition of the permit. Including in the permit legal citations to provisions of the Act is critical in defining the scope of the permit shield, since the permit shield, if granted, extends to the provisions of the Act included in the permit. Including the legal citations in the permit will also ensure that the permittee, the permitting authority, EPA, and the public all have a common understanding of the applicable requirements included in the permit. *This requirement is satisfied by citation to the State regulations or statutes which make up the SIP or implement a delegated program. See* 57 Fed. Reg. 32250, 32275 July 21, 1992, emphasis added.

In comments on the proposed final interim approval of the operating permit program, in 1995, the commission (then-TNRCC) proposed to include a standardized permit provision that incorporated by reference all preconstruction authorizations, both major and minor, to resolve the EPA identified deficiency of Texas' failure to include minor NSR as an applicable requirement. In the June 25, 1996 Final Interim Approval, EPA directed, "the State must be quite clear in any standardized permit provision that all of its *major 'preconstruction authorizations* including permits, standard permits, flexible permit, special permits, or special exemptions' are incorporated by reference into the operating permit *as if fully set forth therein* and therefore enforceable under regulation XII (the Texas Operating Permit Regulation) as well as Regulation VI (the Texas preconstruction permit regulation)." (61 Fed. Reg. at 32695, emphasis added.) Given this explicit direction in EPA's 1996 final interim approval of the Texas program, TCEQ understood that the standardized permit provision for preconstruction authorizations incorporated all NSR authorizations by reference, including major NSR.

As a result of Texas' initial exclusion of minor NSR as an applicable requirement of the Texas Operating Permit program, and EPA's final interim approval of a program that provided for a

phase-in of minor NSR requirements using incorporation by reference, EPA was sued by various environmental groups. *See Public Citizen, Inc. v. U.S. E.P.A.*, 343 F.3d 449 (5th Cir. 2003). The petitioner's brief raised several issues, including the use of incorporation by reference of minor NSR, because the exclusion of minor NSR as an applicable requirement was a program deficiency identified by EPA. The petitioner's brief acknowledges that Texas' Operating Permit program incorporates all preconstruction authorizations by reference, through use of a table entitled "Preconstruction Authorization References". The Petitioner's brief includes an example of this table, which clearly contains sections for Prevention of Significant Deterioration (PSD), nonattainment (NA), 30 TAC Chapter 116 Permits, Special Permits and Other Authorizations, and Permits by Rule under 30 TAC Chapter 106. See Brief of Petitioners, p. 30. The brief goes on to discuss the sample permit, Permit No. O-00108, which documents "six different minor NSR authorizations and one PSD permit" requiring one to look at each of the underlying permits in addition to the Title V permit. The Department of Justice (DOJ), in its reply brief for EPA, responded to this allegation of improper use of IBR in the context of the specific allegation - whether "EPA reasonably determined that Texas corrected the interim deficiency related to minor new source review", answering unequivocally "yes". "Nothing in the statute or regulations prohibits incorporation of applicable requirements by reference. The Title V and Part 70 provisions addressing the content of Title V permits specify what Title V permits 'shall include,' but do not speak to how the enumerated items must be included." See, Brief of Respondents, pp. 25-26. The Court did not distinguish between minor and major NSR when concluding that IBR is permissible under both the CAA and Part 70.

Thus, it is the ED's position that incorporation by reference of both major and minor NSR permits is acceptable and was fully approved by EPA. However, given EPA's differing opinion, as reflected in the Premcor and CITGO orders, this objection, and the June 10, 2010 letter from EPA Region VI regarding this issue, the ED has revised permit No. O2113 to include, in a new Appendix B of the permit, a copy of PSD-TX-748 and its/their corresponding terms and conditions, and emission limitations, which was initially suggested by EPA as adequate to resolve this objection. Inclusion of the major NSR permits as an appendix should address EPA's objection and ensure that the Title V permit is clear and meaningful to all affected parties. The ED will continue efforts with EPA on how to resolve IBR of major NSR on a broader, programmatic basis.

EPA OBJECTION: *Objection to General Recordkeeping Provision.* Under the *General Terms and Conditions* provision of the draft Title V permit, reference is made to 30 TAC § 122.144 of the Texas FOP program which requires records be kept for 5 years; however, Special Condition 19 of NSR Permit No. 1504A and PSD-TX-748 (issued February 22, 2008) only requires records be kept for two years. This condition is inconsistent with the 5 year recordkeeping requirements of 40 CFR § 70.6(a)(3)(ii)(B) and cannot be carried forward into the Title V permit. Pursuant to 40 CFR § 70.8(c)(1), EPA objects to the issuance of the Title V permit since the recordkeeping requirements of PSD-TX-748 are not in compliance with the requirements of 40 CFR § 70.6(a)(3)(ii)(B). In response to this objection, TCEQ must revise the Title V permit to include a condition that states that records of monitoring data and supporting

information must be maintained for a minimum of five years from the date of monitoring, not withstanding the requirements of any other permit conditions or applicable requirements.

TCEQ RESPONSE: The TCEQ requires five year recordkeeping for all FOPs. Pursuant to 30 TAC §122.144(1), all records of required monitoring data and other permit support information must be kept 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. This is consistent with the recordkeeping requirements of 40 CFR § 70.6(a)(3)(ii)(B). The requirements of 30 TAC § 122.144(1) have been and will continue to be incorporated for all FOPs through the general terms and conditions of the FOP, which specifically require "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), and 30 TAC § 122.146(Compliance Certification Terms and Conditions)." These requirements were and will continue to be reiterated on the cover page of the FOP.

As all terms and conditions of preconstruction authorizations issued under 30 TAC Chapter 106, Permits by Rule (PBR) and 30 TAC Chapter 116, New Source Review (NSR) are applicable requirements and enforceable under the FOP, the five year record retention requirement of 30 TAC § 122.144(1) supersedes any less stringent data retention schedule that may be specified in a particular PBR or NSR permit. To further clarify the five year recordkeeping retention schedule for the FOP, the following text will be added to the General Terms and Conditions of the FOP:

"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."

EPA OBJECTION: *Objection to Special Permit Condition 3.* Under the *Special Terms and Conditions* provisions of the draft Title V permit, Condition 3 requires stationary vents with certain flow rates comply with identified provisions 30 TAC Chapter 111 of the Texas SIP. However, there is no identification of the specific stationary vents that are subject to those requirements. As such, this condition fails to meet the requirement of 40 CFR § 70.6(a)(1), in that the condition lacks the specificity to ensure the compliance with the applicable requirements associated with those unidentified emission units. In addition, the Statement of Basis document for the draft Title V permit does not provide the legal and factual basis for Condition 3, as required by 40 CFR § 70.7(a)(5). Pursuant to 40 CFR§ 70.8(c)(1), EPA objects to the issuance of the Title V permit since Condition 3 is not in compliance with the requirements of 40 CFR § 70.8(c)(1) and 70.7(a)(5). In response to this objection, TCEQ must revise Condition 3 of the draft Title V permit to list the specific stationary vents that are subject to the specified

requirements of 30 TAC Chapter III and provide an explanation in the Statement of Basis for the legal and factual basis for Condition 3.

TCEQ RESPONSE: Condition 3 of the permit does not address stationary vents. All stationary vents were previously provided and identified in the applicable requirements summary. The specific emission limitations, applicable monitoring and testing, recordkeeping, and reporting requirements for each such unit is included in the Title V permit. Furthermore, the legal and factual basis for Chapter 111 Visible emissions requirements is included in the Statement of Basis for each stationary vent, in the Basis of Determination Table.

ADDITIONAL CONCERNS: TCEQ acknowledges the additional concerns EPA has with the Chevron Phillips Chemical Cedar Bayou Plant FOP and will address these issues as appropriate.

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Chevron Phillips Chemical Company LP

AUTHORIZING THE OPERATION OF

Ethylene Unit (EU 1592) and Utilities
Industrial Organic Chemicals

LOCATED AT

Harris County, Texas

Latitude 29° 49' 51" Longitude 94° 54' 46"

Regulated Entity Number: RN103919817

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: O2113 Issuance Date: _____

_____
For the Commission

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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. Emission units subject to 40 CFR Part 63, Subparts UU and YY as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §§ 113.520 and 113.560 which incorporates the 40 CFR Part 63 Subpart by reference.

E. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 101.302 (relating to General Provisions)

(ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)

(iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)

(iv) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

(v) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)

(vi) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit

F. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:

(i) Title 30 TAC § 101.352 (relating to General Provisions)

(ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)

(vi) Title 30 TAC § 101.359 (relating to Reporting)

(vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)

(viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit

G. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 101.372 (relating to General Provisions)

(ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)

(iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)

(iv) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

(v) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)

(vi) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit

H. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 6 (Highly Reactive Volatile Organic Compound Emissions Cap and Trade Program) requirements:

(i) Title 30 TAC § 101.393 (relating to General Provisions)

(ii) Title 30 TAC § 101.394 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.396 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.399 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.400 (relating to Reporting)

(vi) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit

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. 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) 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.

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. 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(a)(1).

5. For industrial wastewater specified in 30 TAC Chapter 115, Subchapter B, the permit holder shall comply with the following requirements for wastewater drains, junction boxes, lift stations and weirs:

A. Title 30 TAC § 115.142 (relating to Control Requirements)

B. Title 30 TAC § 115.142(1)(A) - (D) (relating to Control Requirements)

C. Title 30 TAC § 115.142(1)(E) and (F) (relating to Control Requirements)

D. Title 30 TAC § 115.145 (relating to Approved Test Methods)

E. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)

F. Title 30 TAC § 115.147(2) (relating to Exemptions), for streams with an annual VOC loading of 10 megagrams (11.03 tons) or less

G. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)

6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements:

A. For degassing or cleaning of stationary VOC storage vessels subject to 30 TAC Chapter 115, Subchapter F, Division 3: Degassing or Cleaning of Stationary,

Marine, and Transport Vessels, the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 115.541(a)(1) (relating to Emission Specifications)

(ii) Title 30 TAC § 115.542(a) (relating to Control Requirements)

(iii) Title 30 TAC § 115.543 (relating to Alternate Control Requirements)

(iv) Title 30 TAC § 115.544 (relating to Inspection Requirements)

(v) Title 30 TAC § 115.545(1) - (9) (relating to Approved Test Methods)

(vi) Title 30 TAC § 115.545(11) (relating to Approved Test Methods)

(vii) Title 30 TAC § 115.546 (relating to Monitoring and Recordkeeping Requirements)

(viii) Title 30 TAC § 115.547(3) (relating to Exemptions)

7. 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)

8. 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 Startup)

D. Title 40 CFR § 61.10 (relating to Source Reporting and Request for Waiver of Compliance)

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)

9. 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(c)(2) (relating to Standards: General)

C. For exempting waste streams:

(i) Title 40 CFR § 61.342(c)(3)(ii)(A) - (C) (relating to Standards: General)

D. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)

E. Title 40 CFR § 61.342(g) (relating to Standards: General)

F. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)

G. 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)

H. Title 40 CFR § 61.355(j) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures

I. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)

J. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)

K. Title 40 CFR § 61.356(b)(2)(i) - (ii) (relating to Recordkeeping Requirements)

L. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)

M. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)

N. Title 40 CFR § 61.357(a), (d)(1), (d)(2), (d)(6), and (d)(8) (relating to Reporting Requirements)

O. Title 40 CFR § 61.357(d)(3) (relating to Reporting Requirements)

10. For facilities with individual drain systems subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

A. Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)

B. Title 40 CFR § 61.346(b)(2)(ii)(A) (relating to Standards: Individual Drain Systems), for junction boxes

C. Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes

11. 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

12. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached "CAM Summary" upon issuance of the permit. In addition, the permit holder shall comply with the following:

A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).

B. The permit holder shall report, consistent with the averaging time identified in the "CAM Summary," deviations as defined by the deviation limit in the "CAM Summary." Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

C. 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 "CAM 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 in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).

D. The permit holder shall operate the monitoring, identified in the attached "CAM Summary," in accordance with the provisions of 40 CFR § 64.7.

E. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall comply with either of the following requirements for any capture system associated with the VOC control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective actions:

(i) Once a year the permit holder shall inspect the capture system in compliance of CAM for leaks in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppm above background or as defined by the underlying applicable requirement; or

(ii) Once a month, the permit holder shall conduct a visual, audible, and/or olfactory inspection of the capture system in compliance of CAM to detect leaking components.

F. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall comply with either of the following requirements for any bypass of the control device subject to CAM. If the results of the following inspections or monitoring indicate bypass of the control device, the permit holder shall promptly take necessary corrective actions and report a deviation:

(i) Install a flow indicator that is capable of recording flow, at least once every fifteen minutes, immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

(ii) Once a month, the permit holder shall inspect the valves checking the position of the valves and the condition of the car seals. Identify all times when the car seal has been broken and the valve position has been changed to allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere.

13. 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

14. 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

15. 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.

16. 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

17. 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.

18. The permit holder shall adhere to the provisions in the Compliance Schedule attachment of this permit and submit certified progress reports consistent with the schedule established under 30 TAC § 122.132(e)(4)(C) and including the information specified in 30 TAC § 122.142(e)(2). Those emission units listed in the Compliance Schedule attachment shall adhere with the requirements in the Compliance Schedule attachment until operating fully in compliance with the applicable requirements.

19. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

    A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:

        (i) For sources in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:

            1. Title 30 TAC § 117.9020(2)(A), (C), and (D)

    B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.350(c) and (c)(1).

    C. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.

20. Use of Emission Credits to comply with applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use 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) Offsets for Title 30 TAC Chapter 116

B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)

(ii) The 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 1

(iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122

21. Use of Discrete Emission Credits to comply with 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

22. 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.

Protection of Stratospheric Ozone

23. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

    A. 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.

Temporary Fuel Shortages (30 TAC § 112.15)

24. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:

    A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)

    B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)

    C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)

    D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

25. 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)

26. 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

Schedules

Applicable Requirements Summary

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
1592-01A	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-01B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-02A	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-02B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-03A	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-03B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-04A	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-04B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-05A	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-05B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-06A	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement driver
1592-06B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-07	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-10	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-10	Emission Points/Stationary Vents/Process Vents	N/A	R5121-02	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1592-10	Emission Points/Stationary Vents/Process Vents	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
1592-11	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-11	Emission Points/Stationary Vents/Process Vents	N/A	R5121-02	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1592-11	Emission Points/Stationary Vents/Process Vents	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
1592-16	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-16	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1592-26	Volatile Organic Compound Water Separators	N/A	61FF-351	40 CFR Part 61, Subpart FF	No changing attributes.

Unit Summary

Unit/Group/Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement driver
1592-26	Volatile Organic Compound Water Separators	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
1592-38	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-40	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-40	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
1592-44	Volatile Organic Compound Water Separators	N/A	61FF-354	40 CFR Part 61, Subpart FF	No changing attributes.
1592-50	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.
1592-50	Volatile Organic Compound Water Separators	N/A	61FF-354	40 CFR Part 61, Subpart FF	No changing attributes.
1592-50	Volatile Organic Compound Water Separators	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
1592-71	Volatile Organic Compound Water Separators	N/A	61FF-354	40 CFR Part 61, Subpart FF	No changing attributes.
1592-72	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1592-72	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	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
BA-117	Process Heaters/Furnaces	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BA-401	Process Heaters/Furnaces	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BA-651	Process Heaters/Furnaces	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
CB-701	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
CB-701	Flares	N/A	60A-01	40 CFR Part 60, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
CB-701	Flares	N/A	60A-02	40 CFR Part 60, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., HEATING VALUE OF GAS = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).
CB-701	Flares	N/A	60A-03	40 CFR Part 60, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., HEATING VALUE OF GAS = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)
CB-701	Flares	N/A	63A-01	40 CFR Part 63, Subpart A	No changing attributes.
CB-701	Flares	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.

Unit Summary

Unit/Group/Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement driver
CB-710	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
CB-710	Flares	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
CB-710	Flares	N/A	63A-01	40 CFR Part 63, Subpart A	No changing attributes.
CB-710	Flares	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
DRAIN01	Treatment Process	N/A	61FF-346	40 CFR Part 61, Subpart FF	No changing attributes.
DRAIN01	Treatment Process	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
EF-751	Industrial Process Cooling Towers	N/A	R5760	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
EF-751	Industrial Process Cooling Towers	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-1592-31	Fugitive Emission Units	N/A	R5781	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
F-1592-31	Fugitive Emission Units	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
F-1592-31	Fugitive Emission Units	N/A	61J-01	40 CFR Part 61, Subpart J	No changing attributes.
F-1592-31	Fugitive Emission Units	N/A	61V-ALL	40 CFR Part 61, Subpart V	No changing attributes.
F-1592-31	Fugitive Emission Units	N/A	63UU-01	40 CFR Part 63, Subpart UU	No changing attributes.
F-1592-38	Fugitive Emission Units	N/A	R5781	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.

Unit Summary

Unit/Group/Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement driver
F-1592-38	Fugitive Emission Units	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
F-1592-38	Fugitive Emission Units	N/A	60VV-01	40 CFR Part 60, Subpart VV	No changing attributes.
F-1592-38	Fugitive Emission Units	N/A	63UU-01	40 CFR Part 63, Subpart UU	No changing attributes.
F-160	Fugitive Emission Units	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
F-160	Fugitive Emission Units	N/A	61J-01	40 CFR Part 61, Subpart J	No changing attributes.
F-160	Fugitive Emission Units	N/A	61V-01	40 CFR Part 61, Subpart V	No changing attributes.
F-160	Fugitive Emission Units	N/A	63UU-01	40 CFR Part 63, Subpart UU	No changing attributes.
FA-916	Volatile Organic Compound Water Separators	N/A	61FF-343	40 CFR Part 61, Subpart FF	No changing attributes.
FB-204	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.
FB-402	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FB-402	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
FB-702	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FB-702	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.

Unit Summary

FB-702	Volatile Organic Compound Water Separators	N/A	61FF-351	40 CFR Part 61, Subpart FF	No changing attributes.
FB-702	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
FB-702	Volatile Organic Compound Water Separators	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
FB-703	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FB-703	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
FB-704A	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FB-704A	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
FB-704B	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FB-704B	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
FB-892A LOAD	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
FB-892B	Volatile Organic Compound Water Separators	N/A	61FF-351	40 CFR Part 61, Subpart FF	No changing attributes.
FB-892B	Volatile Organic Compound Water Separators	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
FB-892C	Volatile Organic Compound Water Separators	N/A	61FF-351	40 CFR Part 61, Subpart FF	No changing attributes.

Unit Summary

Unit/Group/Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement driver
FB-892C	Volatile Organic Compound Water Separators	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
GA-809	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
GA-809	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GA-912A	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
GA-912B	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
GA-920A	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
GA-920B	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
GE-800	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
GE-930	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
GE-930	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPANALYZE	Emission Points/Stationary Vents/Process Vents	ANALYZE DMF, ANALYZER A, ANALYZER B, ANALYZER C, ANALYZER PP	R5121-03	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPBOIL600	Boilers/Steam Generators/Steam Generating Units	BF-801A, BF-801B, BF-801C	REG2-01	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.

Unit Summary

Unit/Group/Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement driver
GRPBOIL600	Boilers/Steam Generators/Steam Generating Units	BF-801A, BF-801B, BF-801C	R7ICI-01	30 TAC Chapter 117, Subchapter B	FUEL TYPE #2 = Natural gas., FUEL TYPE #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.
GRPBOIL600	Boilers/Steam Generators/Steam Generating Units	BF-801A, BF-801B, BF-801C	R7ICI-02	30 TAC Chapter 117, Subchapter B	FUEL TYPE #1 = Liquid fuel
GRPEUDG1	Solvent Degreasing Machines	1592DG, INSTRDG1	R5412-01	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
GRPFURN	Emission Points/Stationary Vents/Process Vents	BA-101, BA-102, BA-103, BA-104, BA-105, BA-106, BA-107, BA-108, BA-109, BA-110, BA-111, BA-112, BA-113	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPFURN	Process Heaters/Furnaces	BA-101, BA-102, BA-103, BA-104, BA-105, BA-106, BA-107, BA-108, BA-109, BA-110, BA-111, BA-112, BA-113	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
INSTRDG2	Solvent Degreasing Machines	N/A	R5412-01	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
L-103	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
L-1592-24	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Unit Summary

Unit/Group/Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement driver
L-1592-25	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
P-111B	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
PU-752	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
1592-01A	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-01B	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-02A	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-02B	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-03A	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-03B	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
1592-04A	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-04B	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-05A	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-05B	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-06A	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-06B	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
1592-07	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-10	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
1592-10	EP	R5121-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(2) § 115.122(a)(2) § 115.122(a)(2)(B)	No person may allow a vent gas stream to be emitted from the processes specified in §115.121(a)(2)(A)-(E), unless the vent gas stream is controlled properly in accordance with §115.122(a)(2).	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
1592-10	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
1592-11	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
1592-11	EU	R5121-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(2) § 115.122(a)(2) § 115.122(a)(2)(B)	No person may allow a vent gas stream to be emitted from the processes specified in §115.121(a)(2)(A)-(E), unless the vent gas stream is controlled properly in accordance with §115.122(a)(2).	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
1592-11	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
1592-16	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-16	EU	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(2) § 115.122(a)(2) § 115.122(a)(2)(A) § 60.18	No person may allow a vent gas stream to be emitted from the processes specified in §115.121(a)(2)(A)-(E), unless the vent gas stream is controlled properly in accordance with §115.122(a)(2).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
1592-26	EU	61FF-351	BENZENE	40 CFR Part 61, Subpart FF	§ 61.352(a) § 61.352(a)(1) § 61.352(c)	As an alternative to the standards for oil-water separators specified in §61.347, an owner or operator may elect to comply with one of the following: §61.352(a)(1)-(2)	None	[G]§ 61.356(l)	§ 61.357(e) § 61.357(g)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
1592-26	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
1592-38	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-40	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-40	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(2) § 115.122(a)(2) § 115.122(a)(2)(A) § 60.18	No person may allow a vent gas stream to be emitted from the processes specified in §115.121(a)(2)(A)-(E), unless the vent gas stream is controlled properly in accordance with §115.122(a)(2).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
1592-44	EU	61FF-354	BENZENE	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C) § 61.347(a)(1)(i)(C)(1) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(d) § 61.354(f)(1) § 61.354(g) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(g) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(m)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(J) § 61.357(d)(7)(v)
1592-50	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
1592-50	EU	61FF-354	BENZENE	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C) § 61.347(a)(1)(i)(C)(1) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(d) § 61.354(f)(1) § 61.354(g) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(g) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(m)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(J) § 61.357(d)(7)(v)
1592-50	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
1592-71	EU	61FF-354	BENZENE	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C) § 61.347(a)(1)(i)(C)(1) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(d) § 61.354(f)(1) § 61.354(g) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(g) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(m)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(J) § 61.357(d)(7)(v)
1592-72	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1592-72	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1)(C)		** See Periodic Monitoring Summary	None	§ 115.127(a)(8)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
BA-117	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(e) [G]§ 117.340(f)(2)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5)
BA-401	EU	R7ICI-01	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c)
BA-401	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
BA-651	EU	R7ICI-01	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c)
BA-651	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
CB-701	EU	R1111-01	PM (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 upset emissions as provided in §101.11(a).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
CB-701	CD	60A-01	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

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
CB-701	CD	60A-02	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)(iii) § 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) § 60.18(f)(5)	None	None
CB-701	CD	60A-03	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)(ii) § 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
CB-701	CD	63A-01	OPACITY	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
CB-701	CD	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
CB-710	EU	R1111-01	PM (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 upset emissions as provided in §101.11(a).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
CB-710	CD	60A-01	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
CB-710	CD	63A-01	OPACITY	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
CB-710	CD	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
DRAIN01	PRO	61FF-346	BENZENE	40 CFR Part 61, Subpart FF	§ 61.348(a)(5) § 61.348(b)(1) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Process wastewater, product tank drawdown, or landfill leachate subject to §61.342(c)(1) aggregated together with other waste streams, as specified, shall operated in accordance with §61.348(b).	§ 61.348(f) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(a)(2) [G]§ 61.354(b) § 61.354(d) § 61.354(f)(1) § 61.355(g) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(a)(2) § 61.355(g) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i)	§ 61.357(d)(7) § 61.357(d)(7)(ii) § 61.357(d)(7)(iii) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(I)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		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)
ID No.	Type			Name	Citation				
DRAIN01	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
EF-751	EU	R5760	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.761(c)(1) § 115.761(c)(3) § 115.764(a)(1) § 115.766(i)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 1 of this subchapter must not exceed 1,200 pounds of HRVOCs per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.764(a)(1) § 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c) § 115.764(g)(2)	§ 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) [G]§ 115.766(g) [G]§ 115.766(h) § 115.766(i)(1)	§ 115.766(i)(2)
EF-751	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(a)	Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements).	None	§ 115.786(e) § 115.786(f)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.783(4)(A)(i) § 115.783(4)(A)(ii) § 115.783(4)(A)(ii)(I) § 115.783(4)(A)(ii)(II) § 115.783(4)(B) § 115.783(4)(B)(i) § 115.783(4)(B)(ii)	Process drains within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(5) § 115.781(b)(6) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	§ 115.725(c)(4) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.789(1)(B)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) [G]§ 115.781(d) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(1) § 115.783(1)(A) § 115.783(1)(B) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Bypass line valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) [G]§ 115.781(d) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.786(a)(1)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.786(a)(1) § 115.786(a)(2) § 115.786(a)(2)(A) § 115.786(a)(2)(B) § 115.786(b)(1) § 115.786(b)(2) § 115.786(b)(2)(A) § 115.786(b)(2)(B) § 115.786(b)(2)(C) § 115.786(b)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.789(1)(B)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(B) § 115.787(d)	Compressor seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(d)	Pump seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

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Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-31	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-31	EU	61J-01	BENZENE	40 CFR Part 61, Subpart J	§ 61.112(a) § 61.112(b)	Each owner or operator subject to this subpart shall comply with the requirements of 40 CFR 61, Subpart V - National Emission Standard for Equipment Leaks (Fugitive Emission Sources).	None	None	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-1(e)	Equipment that is in vacuum service is excluded from the requirements of §61.242-2 to §61.242-11, if it is identified as required in §61.246(e)(5).	None	[G]§ 61.246(e)	None
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-2 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pumps. §61.242-2(a)-(g)	[G]§ 61.242-2 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-3 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for compressors. §61.242-3(a)-(i)	[G]§ 61.242-3 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-4 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in gas/vapor service. §61.242-4(a)-(c)	[G]§ 61.242-4 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-5 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for sampling connection systems. §61.242-5(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-6 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for open-ended valves or lines. §61.242-6(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-7 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.243-1 [G]§ 61.243-2	Comply with standards for valves. §61.242-7(a)-(h)	[G]§ 61.242-7 [G]§ 61.243-1 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(f) [G]§ 61.246(g) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) § 61.247(d) [G]§ 61.247(e)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in liquid service. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-9 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d)	Each product accumulator vessel shall be equipped with a closed-vent system to capture and transport any leakage from the vessel to a control device as in §61.242-11, except in §61.242-1(c).	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for flanges and other connectors. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-11(f) § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.242-11(f) [G]§ 61.242-11(g) § 61.242-11(h) § 61.242-11(i) [G]§ 61.242-11(j) [G]§ 61.242-11(k) § 61.242-11(m)	Except as provided in §61.242-11(i)-(k), each closed vent system shall be inspected according to the procedures and schedule specified in 61.242-11(f)(1) and (2), as applicable. § 61-242-11(f)(1)-(2)	[G]§ 61.242-11(f) [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.242-11(l) [G]§ 61.246(a) [G]§ 61.246(d) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-11(d) § 60.18 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) § 61.242-11(e) § 61.242-11(m)	Flares shall be used to comply with this subpart shall comply with the requirements of §60.18.	[G]§ 61.245(d) [G]§ 61.245(e)	[G]§ 61.246(a) [G]§ 61.246(d) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-1592-31	EU	63UU-01	112B (HAP)	40 CFR Part 63, Subpart UU	§ 63.1019	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UU.	§ 63.1020 - 63.1037	§ 63.1038	§ 63.1039

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(a)	Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements).	None	§ 115.786(e) § 115.786(f)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.789(1)(B)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) [G]§ 115.781(d) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(1) § 115.783(1)(A) § 115.783(1)(B) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Bypass line valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) [G]§ 115.781(d) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.786(a)(1)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.786(a)(1) § 115.786(a)(2) § 115.786(a)(2)(A) § 115.786(a)(2)(B) § 115.786(b)(1) § 115.786(b)(2) § 115.786(b)(2)(A) § 115.786(b)(2)(B) § 115.786(b)(2)(C) § 115.786(b)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.789(1)(B)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
F-1592-38	EU	R5781	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-1592-38	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-1592-38	EU	60VV-01	112(B) HAPS	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[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)
F-1592-38	EU	60VV-01	112(B) HAPS	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[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)
F-1592-38	EU	60VV-01	112(B) HAPS	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2	Valves in gas/vapor service and in light liquid service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[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) [G]§ 60.486(g) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
F-1592-38	EU	60VV-01	112(B) HAPS	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[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)
F-1592-38	EU	60VV-01	112(B) HAPS	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[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)
F-1592-38	EU	63UU-01	112B (HAP)	40 CFR Part 63, Subpart UU	§ 63.1019	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UU.	§ 63.1020 - 63.1037	§ 63.1038	§ 63.1039

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
F-160	EU	61J-01	BENZENE	40 CFR Part 61, Subpart J	§ 61.112(a) § 61.112(b)	Each owner or operator subject to this subpart shall comply with the requirements of 40 CFR 61, Subpart V - National Emission Standard for Equipment Leaks (Fugitive Emission Sources).	None	None	None
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	§ 61.242-1(e)	Equipment that is in vacuum service is excluded from the requirements of §61.242-2 to §61.242-11, if it is identified as required in §61.246(e)(5).	None	[G]§ 61.246(e)	None
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-2 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pumps. §61.242-2(a)-(g)	[G]§ 61.242-2 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-4 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in gas/vapor service. §61.242-4(a)-(c)	[G]§ 61.242-4 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-5 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for sampling connection systems. §61.242-5(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-6 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for open-ended valves or lines. §61.242-6(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-7 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.243-1 [G]§ 61.243-2	Comply with standards for valves. §61.242-7(a)-(h)	[G]§ 61.242-7 [G]§ 61.243-1 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(f) [G]§ 61.246(g) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) § 61.247(d) [G]§ 61.247(e)
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in liquid service. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	§ 61.242-9 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d)	Each product accumulator vessel shall be equipped with a closed-vent system to capture and transport any leakage from the vessel to a control device as in §61.242-11, except in §61.242-1(c).	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for flanges and other connectors. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-11(f) § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.242-11(f) [G]§ 61.242-11(g) § 61.242-11(h) § 61.242-11(i) [G]§ 61.242-11(j) [G]§ 61.242-11(k) § 61.242-11(m)	Except as provided in §61.242-11(i)-(k), each closed vent system shall be inspected according to the procedures and schedule specified in 61.242-11(f)(1) and (2), as applicable. § 61-242-11(f)(1)-(2)	[G]§ 61.242-11(f) [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.242-11(l) [G]§ 61.246(a) [G]§ 61.246(d) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
F-160	EU	61V-01	VHAP	40 CFR Part 61, Subpart V	§ 61.242-11(d) § 60.18 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) § 61.242-11(e) § 61.242-11(m)	Flares shall be used to comply with this subpart shall comply with the requirements of §60.18.	[G]§ 61.245(d) [G]§ 61.245(e)	[G]§ 61.246(a) [G]§ 61.246(d) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
F-160	EU	63UU-01	112B (HAP)	40 CFR Part 63, Subpart UU	§ 63.1019	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	§ 63.1020 - 63.1037	§ 63.1038	§ 63.1039
FA-916	EU	61FF-343	BENZENE	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C) § 61.347(a)(1)(i)(C)(1) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 60.18(f)(2) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(g) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.354(g) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7) § 61.356(m)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F) § 61.357(d)(7)(v)
FB-204	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
FB-402	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(d)(1)	No person shall place, store, or hold in any stationary tank, reservoir, or other container any VOC unless such container is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere, or is equipped with at least the control device specified in either Table I(a) of subsection (a)(1) of this section for VOC other than crude oil and condensate, or Table II(a) of subsection (a)(1) of this section for crude oil and condensate.	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
FB-402	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
FB-702	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(d)(1) § 115.112(d)(2) § 115.112(d)(2)(A) § 115.112(d)(2)(B) § 115.112(d)(2)(C) § 115.112(d)(2)(D) § 115.112(d)(2)(E) § 115.112(d)(2)(F) [G]§ 115.112(d)(2)(G) [G]§ 115.112(d)(2)(H)	No person shall place, store, or hold in any stationary tank, reservoir, or other container any VOC unless such container is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere, or is equipped with at least the control device specified in either Table I(a) of subsection (a)(1) of this section for VOC other than crude oil and condensate, or Table II(a) of subsection (a)(1) of this section for crude oil and condensate.	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) [G]§ 115.115(a) § 115.116(a)(2) § 115.116(a)(2)(A) § 115.116(a)(2)(B) § 115.116(a)(2)(C) § 115.116(a)(2)(D) § 115.116(a)(2)(E) § 115.116(a)(2)(F) § 115.116(a)(2)(G) § 115.116(a)(2)(H) § 115.116(a)(2)(I) § 115.116(a)(2)(J) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(2) § 115.116(a)(4) § 115.116(a)(5)	§ 115.114(a)(2) § 115.114(a)(4) § 115.116(a)(2) § 115.116(a)(2)(C) § 115.116(a)(2)(D) § 115.116(a)(2)(F) § 115.116(a)(2)(G) § 115.116(a)(2)(J)
FB-702	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(2)	VOC water separator compartments must have a floating roof or internal-floating cover resting on the surface with closure seals. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None
FB-702	EU	61FF-351	BENZENE	40 CFR Part 61, Subpart FF	§ 61.352(a) § 61.352(a)(1) § 61.352(c)	As an alternative to the standards for oil-water separators specified in §61.347, an owner or operator may elect to comply with one of the following: §61.352(a)(1)-(2)	None	[G]§ 61.356(l)	§ 61.357(e) § 61.357(g)
FB-702	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e) Table 7(g)(1)(i) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
FB-702	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
FB-703	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(d)(1) § 115.112(d)(2) § 115.112(d)(2)(A) § 115.112(d)(2)(B) § 115.112(d)(2)(C) § 115.112(d)(2)(D) § 115.112(d)(2)(E) § 115.112(d)(2)(F) [G]§ 115.112(d)(2)(G) [G]§ 115.112(d)(2)(H)	No person shall place, store, or hold in any stationary tank, reservoir, or other container any VOC unless such container is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere, or is equipped with at least the control device specified in either Table I(a) of subsection (a)(1) of this section for VOC other than crude oil and condensate, or Table II(a) of subsection (a)(1) of this section for crude oil and condensate.	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) [G]§ 115.115(a) § 115.116(a)(2) § 115.116(a)(2)(A) § 115.116(a)(2)(B) § 115.116(a)(2)(C) § 115.116(a)(2)(D) § 115.116(a)(2)(E) § 115.116(a)(2)(F) § 115.116(a)(2)(G) § 115.116(a)(2)(H) § 115.116(a)(2)(I) § 115.116(a)(2)(J) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(2) § 115.116(a)(4) § 115.116(a)(5)	§ 115.114(a)(2) § 115.114(a)(4) § 115.116(a)(2) § 115.116(a)(2)(C) § 115.116(a)(2)(D) § 115.116(a)(2)(F) § 115.116(a)(2)(G) § 115.116(a)(2)(J)
FB-703	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
FB-704A	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(d)(1) § 115.112(d)(2) § 115.112(d)(2)(A) § 115.112(d)(2)(B) § 115.112(d)(2)(C) § 115.112(d)(2)(D) § 115.112(d)(2)(E) § 115.112(d)(2)(F) [G]§ 115.112(d)(2)(G) [G]§ 115.112(d)(2)(H)	No person shall place, store, or hold in any stationary tank, reservoir, or other container any VOC unless such container is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere, or is equipped with at least the control device specified in either Table I(a) of subsection (a)(1) of this section for VOC other than crude oil and condensate, or Table II(a) of subsection (a)(1) of this section for crude oil and condensate.	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) [G]§ 115.115(a) § 115.116(a)(2) § 115.116(a)(2)(A) § 115.116(a)(2)(B) § 115.116(a)(2)(C) § 115.116(a)(2)(D) § 115.116(a)(2)(E) § 115.116(a)(2)(F) § 115.116(a)(2)(G) § 115.116(a)(2)(H) § 115.116(a)(2)(I) § 115.116(a)(2)(J) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(2) § 115.116(a)(4) § 115.116(a)(5)	§ 115.114(a)(2) § 115.114(a)(4) § 115.116(a)(2) § 115.116(a)(2)(C) § 115.116(a)(2)(D) § 115.116(a)(2)(F) § 115.116(a)(2)(G) § 115.116(a)(2)(J)
FB-704A	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
FB-704B	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(d)(1) § 115.112(d)(2) § 115.112(d)(2)(A) § 115.112(d)(2)(B) § 115.112(d)(2)(C) § 115.112(d)(2)(D) § 115.112(d)(2)(E) § 115.112(d)(2)(F) [G]§ 115.112(d)(2)(G) [G]§ 115.112(d)(2)(H)	No person shall place, store, or hold in any stationary tank, reservoir, or other container any VOC unless such container is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere, or is equipped with at least the control device specified in either Table I(a) of subsection (a)(1) of this section for VOC other than crude oil and condensate, or Table II(a) of subsection (a)(1) of this section for crude oil and condensate.	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) [G]§ 115.115(a) § 115.116(a)(2) § 115.116(a)(2)(A) § 115.116(a)(2)(B) § 115.116(a)(2)(C) § 115.116(a)(2)(D) § 115.116(a)(2)(E) § 115.116(a)(2)(F) § 115.116(a)(2)(G) § 115.116(a)(2)(H) § 115.116(a)(2)(I) § 115.116(a)(2)(J) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(2) § 115.116(a)(4) § 115.116(a)(5)	§ 115.114(a)(2) § 115.114(a)(4) § 115.116(a)(2) § 115.116(a)(2)(C) § 115.116(a)(2)(D) § 115.116(a)(2)(F) § 115.116(a)(2)(G) § 115.116(a)(2)(J)
FB-704B	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
FB-892A LOAD	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
FB-892B	EU	61FF-351	BENZENE	40 CFR Part 61, Subpart FF	§ 61.352(a) § 61.352(a)(1) § 61.352(c)	As an alternative to the standards for oil-water separators specified in §61.347, an owner or operator may elect to comply with one of the following: §61.352(a)(1)-(2)	None	[G]§ 61.356(l)	§ 61.357(e) § 61.357(g)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
FB-892B	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
FB-892C	EU	61FF-351	BENZENE	40 CFR Part 61, Subpart FF	§ 61.352(a) § 61.352(a)(1) § 61.352(c)	As an alternative to the standards for oil-water separators specified in §61.347, an owner or operator may elect to comply with one of the following: §61.352(a)(1)-(2)	None	[G]§ 61.356(l)	§ 61.357(e) § 61.357(g)
FB-892C	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
GA-809	EU	R7ICI-01	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
GA-809	EU	R7ICI-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	A new/reconstructed stationary RICE located at an area source, or located at a major source of HAP emissions and is a spark ignition (SI) 2SLB < 500 HP, SI 4 SLB < 250 HP, or 4SRB, compression ignition (CI), emergency or limited use, or which combusts landfill or digester gas at > 10% of the gross heat input < 500 HP must meet the requirements of this part by meeting the requirements of 40 CFR Part 60, Subpart IIII, for CI engines or 40 CFR Part 60, Subpart JJJJ, for SI engines.	None	None	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
GA-912A	EU	R7ICI-01	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(10) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include any stationary diesel engine placed into service before October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average; and has not been modified, reconstructed, or relocated on or after October 1, 2001. §117.303(a)(10)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
GA-912B	EU	R7ICI-01	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(10) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include any stationary diesel engine placed into service before October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average; and has not been modified, reconstructed, or relocated on or after October 1, 2001. §117.303(a)(10)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
GA-920A	EU	R7ICI-01	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(10) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include any stationary diesel engine placed into service before October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average; and has not been modified, reconstructed, or relocated on or after October 1, 2001. §117.303(a)(10)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
GA-920B	EU	R7ICI-01	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(10) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include any stationary diesel engine placed into service before October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average; and has not been modified, reconstructed, or relocated on or after October 1, 2001. §117.303(a)(10)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
GE-800	EU	R7ICI-01	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
GE-930	EU	R7ICI-01	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
GE-930	EU	R7ICI-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	A new/reconstructed stationary RICE located at an area source, or located at a major source of HAP emissions and is a spark ignition (SI) 2SLB < 500 HP, SI 4 SLB < 250 HP, or 4SRB, compression ignition (CI), emergency or limited use, or which combusts landfill or digester gas at > 10% of the gross heat input < 500 HP must meet the requirements of this part by meeting the requirements of 40 CFR Part 60, Subpart IIII, for CI engines or 40 CFR Part 60, Subpart JJJJ, for SI engines.	None	None	None
GRPANALYZE	EP	R5121-03	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B) § 60.18	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
GRPBOIL600	EU	REG2-01	SO2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(c)	No person shall use liquid fuel with a sulfur content greater than 0.3% by weight, or allow emissions of SO2 to exceed 150 ppmv, based on 20% excess air, averaged over a 3-hour period.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
GRPBOIL600	EU	R7ICI-01	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)
GRPBOIL600	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(e) [G]§ 117.340(f)(2)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5)

Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements	Reporting Requirements
ID No.	Type			Name	Citation			(30 TAC § 122.144)	(30 TAC § 122.145)
GRPBOIL600	EU	R7ICI-02	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(7) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)
GRPBOIL600	EU	R7ICI-02	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(e) [G]§ 117.340(f)(2)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5)
GRPEUDG1	EU	R5412-01	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F) § 115.417(1)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None
GRPFURN	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

GRPFURN	EU	R7ICI-01	NH_3	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(A) § 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(g) § 117.340(d)	For process heaters that inject urea or ammonia into the exhaust stream for NO_x control, ammonia emissions must not exceed 10 ppmv at 3.0% O_2, dry.	§ 117.335(e)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
INSTRDG2	EU	R5412-01	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(E) [G]§ 115.412(1)(F) § 115.417(1)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None
L-103	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
L-1592-24	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
L-1592-25	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Applicable Requirements Summary

		No.	Pollutant			Condition 1.B.)	Requirements	Recordk Require	
P-111B	EU	R7ICI-01	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	None	§ 117.340(j) [G]§ 117.345(f)(6)	None
PU-752	EU	R7ICI-01	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Additional Monitoring Requirements

CAM Summary

UNIT/GROUP/PROCESS INFORMATION	
ID Nos.: 1592-10, 1592-11	
Control Device ID Nos.: BF-801A, BF-801B, BF-801C	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-02
Pollutant: VOC	Main Standard: § 115.121(a)(2)
MONITORING INFORMATION	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Boiler operation is not monitored or recorded during any period of time when the wet air oxidizer vent is directed to the combustion chamber	
CAM Text: Monitor and record the periods of operation of the steam generating units or process heater. The records must be readily available for inspection.	

Periodic Monitoring Summary

ID Nos.: 1592-01A, 1592-01B, 1592-02A, 1592-02B, 1592-03A, 1592-03B, 1592-04A, 1592-04B, 1592-05A, 1592-05B, 1592-06A, 1592-06B, 1592-07, 1592-16, 1592-38, 1592-40, 1592-72, GRPFURN	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible emissions are observed	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. 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. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.	

Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID Nos.: 1592-50, FB-204	
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-01
Pollutant: VOC	Main Standard: § 115.132(a)(1)
MONITORING INFORMATION	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: n/a*	
Deviation Limit: 500 ppmv for a potential leak interface other than a seal around a shaft that passes through a cover opening. 10,000 ppmv for a seal around a shaft that passes through a cover opening.	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2). 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.	

*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.: 1592-72	
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-01
Pollutant: VOC	Main Standard: § 115.122(a)(1)(C)
MONITORING INFORMATION	
Indicator: VOC Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: Vent stack analyzer reading > 100 ppmv	
Periodic Monitoring Text: Measure and record the concentration of organic compounds in the exhaust stream with a continuous emission monitoring system (CEMS). The CEMS shall be operated in accordance with 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: FB-402	
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Not keeping record of tank construction specifications	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: FB-402	
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(a)(1)
MONITORING INFORMATION	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Repairs not completed to fill pipe if structural integrity of the fill pipe is in question during inspection when the tank has been emptied and degassed.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: FB-702	
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-01
Pollutant: VOC	Main Standard: § 115.132(a)(2)
MONITORING INFORMATION	
Indicator: External Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: Roof not resting on the surface of the VOC, liquid accumulated on the external roof, seals are detached, or holes or tears in the seal fabric.	
Periodic Monitoring Text: Visually inspect and record the inspection of the external floating roof to ensure: the roof is floating on the surface of the VOC and not on the leg supports, liquid has not accumulated on the external floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the external floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

ID No.: GRPBOIL600	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2-01
Pollutant: SO2	Main Standard: § 112.9(c)
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: < 0.3%	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.*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.	

*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

ID Nos.: GRPEUDG1, INSTRDG2	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-01
Pollutant: VOC	Main Standard: § 115.412(1)
Indicator: Visual Inspection	
Minimum Frequency: monthly	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 115.412(1)(A)-(F)	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates hat the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

Permit Shield

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		
1592-01A	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-01B	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-02A	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-02B	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head.
1592-03A	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-03B	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head.
1592-04A	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-04B	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head.
1592-05A	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-05B	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head.

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		
1592-06A	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-06B	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head.
1592-07	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-10	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-11	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent stream subject to this undesignated head.
1592-16	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream originates from sources with applicable Chapter 115 control requirements
1592-18	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent does not emit VOCs
1592-18A	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent does not emit VOCs
1592-38	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is from a combustion unit which is not used as a control device for a vent gas stream subject to this undesignated head
1592-40	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream originates from sources with applicable Chapter 115 control requirements
AD-885	N/A	40 CFR Part 63, Subpart QQ	Not referenced by another subpart of 40 CFR 60,61 or 63
AD-886	N/A	40 CFR Part 63, Subpart QQ	Not referenced by another subpart of 40 CFR 60, 61 or 63
AD-890A	N/A	40 CFR Part 63, Subpart QQ	Not referenced by another subpart of 40 CFR 60, 61 or 63

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		
AD-890B	N/A	40 CFR Part 63, Subpart QQ	Not referenced by another subpart of 40 CFR 60, 61 or 63
AD-890C	N/A	40 CFR Part 63, Subpart QQ	Not referenced by another subpart of 40 CFR 60,61 or 63
BA-117	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit is not a liquid fuel fired furnace.
BA-117	N/A	40 CFR Part 60, Subpart III	Facility does not produce any chemicals listed in 60.617.
BA-117	N/A	40 CFR Part 60, Subpart RRR	Constructed before applicability date.
EF-751	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use any chromium based water treatment chemicals
F-1592-31	N/A	40 CFR Part 60, Subpart VV	Comply with MACT UU in lieu of NSPS VV
F-1592-31	N/A	40 CFR Part 61, Subpart J	Comply with MACT UU in lieu of NESHAP J
F-1592-31	N/A	40 CFR Part 61, Subpart V	Comply with MACT UU in lieu of NESHAP V
F-1592-38	N/A	40 CFR Part 60, Subpart VV	Comply with MACT UU in lieu of NSPS VV
F-1592-38	N/A	40 CFR Part 61, Subpart J	Comply with MACT UU in lieu of NESHAP J
F-1592-38	N/A	40 CFR Part 61, Subpart V	Comply with MACT UU in lieu of NESHAP V
F-160	N/A	40 CFR Part 60, Subpart VV	Facility has not been modified since 1/5/81
FB-107	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and stores a compound with a TVP < 1.5 psia.
FB-107	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons.
FB-107	N/A	40 CFR Part 60, Subpart Ka	Capacity < 40,000 gallons.
FB-107	N/A	40 CFR Part 60, Subpart Kb	Maximum true vapor pressure < 3.5 kPa and storage capacity > 151 m^3.
FB-107	N/A	40 CFR Part 61, Subpart Y	Does not store benzene.
FB-107	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63.

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.

FB-204	N/A	40 CFR Part 63, Subpart VV	Facility does not control air emission from oil-water and organic-water separator for which another subpart of 40CFR Part 60, 61,63 references
FB-402	N/A	40 CFR Part 60, Subpart K	Capacity less than 40,000 gallons
FB-402	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-402	N/A	40 CFR Part 60, Subpart Kb	Not constructed or modified after 07/23/1984.
FB-402	N/A	40 CFR Part 61, Subpart Y	Does not store benzene.
FB-402	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63.
FB-450	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and has a TVP less than 1.5 psia
FB-450	N/A	40 CFR Part 60, Subpart K	Capacity less than 40,000 gallons
FB-450	N/A	40 CFR Part 60, Subpart Ka	Capacity less than 40,000 gallons
FB-450	N/A	40 CFR Part 60, Subpart Kb	Not constructed or modified after 07/23/1984.
FB-450	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-450	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-701	N/A	30 TAC Chapter 115, Storage of VOCs	EFR with true vapor pressure less than 1.0 psia
FB-701	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquid
FB-701	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-701	N/A	40 CFR Part 60, Subpart Kb	Not constructed or modified after 07/23/1984.
FB-701	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-701	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-702	N/A	40 CFR Part 60, Subpart K	Does not store a petroleum liquid
FB-702	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.

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		
FB-702	N/A	40 CFR Part 60, Subpart Kb	Not constructed or modified after 07/23/1984.
FB-702	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-702	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-702	N/A	40 CFR Part 63, Subpart VV	Facility does not control air emission from oil-water and organic-water separator for which another subpart of 40CFR Part 60, 61, or 63 references.
FB-703	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
FB-703	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-703	N/A	40 CFR Part 60, Subpart Kb	Not constructed or modified after 07/23/1984.
FB-703	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-703	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-704A	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
FB-704A	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-704A	N/A	40 CFR Part 60, Subpart Kb	Not constructed or modified after 07/23/1984.
FB-704A	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-704A	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-704B	N/A	40 CFR Part 60, Subpart K	Does not store a petroleum liquid
FB-704B	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-704B	N/A	40 CFR Part 60, Subpart Kb	Not constructed or modified after 07/23/1984.
FB-704B	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-704B	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63

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		
FB-705	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and true vapor pressure of less than 1.5 psia
FB-705	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
FB-705	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-705	N/A	40 CFR Part 60, Subpart Kb	Maximum true vapor pressure < 3.5 kPa and storage capacity >151 m^3.
FB-705	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-705	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-706	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and true vapor pressure of less than 1.5 psia
FB-706	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
FB-706	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-706	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-706	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-707	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and has a TVP less than 1.5 psia
FB-707	N/A	40 CFR Part 60, Subpart K	Not constructed or modified between 06/11/1973 and 05/19/1978.
FB-707	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-707	N/A	40 CFR Part 60, Subpart Kb	Capacity is greater than 151 cubic meters and stores a liquid with a maximum true vapor pressure of less than 3.5 kilopascals (kPa)
FB-707	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-707	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63

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.

FB-710	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and true vapor pressure of less than 1.5 psia
FB-710	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
FB-710	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-710	N/A	40 CFR Part 60, Subpart Kb	Not constructed or modified after 07/23/1984
FB-710	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-710	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61,or 63
FB-712	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and true vapor pressure of less than 1.5 psia
FB-712	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
FB-712	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-712	N/A	40 CFR Part 60, Subpart Kb	Maximum true vapor pressure < 305 kPa and storage capacity > 151 m^3.
FB-712	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-712	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-872	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and has a TVP less than 1.5 psia
FB-872	N/A	40 CFR Part 60, Subpart K	Capacity less than 40,000 gallons
FB-872	N/A	40 CFR Part 60, Subpart Ka	Capacity less than 40,000 gallons
FB-872	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
FB-872	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-872	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61 or 63
FB-874	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and has a TVP less than 1.5 psia
FB-874	N/A	40 CFR Part 60, Subpart K	Capacity less than 40,000 gallons
FB-874	N/A	40 CFR Part 60, Subpart Ka	Capacity less than 40,000 gallons

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		
FB-874	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
FB-874	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-874	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-875	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and has a TVP less than 1.5 psia
FB-875	N/A	40 CFR Part 60, Subpart K	Capacity less than 40,000 gallons
FB-875	N/A	40 CFR Part 60, Subpart Ka	Capacity less than 40,000 gallons
FB-875	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
FB-875	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-875	N/A	40 CFR Part 63, Subpart OO	Not referred by another subpart of 40 CFR 60, 61, or 63
FB-879	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and has a TVP less than 1.5 psia
FB-879	N/A	40 CFR Part 60, Subpart K	Capacity less than 40,000 gallons
FB-879	N/A	40 CFR Part 60, Subpart Ka	Capacity less than 40,000 gallons
FB-879	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
FB-879	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-879	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-883	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and has a TVP less than 1.5 psia
FB-883	N/A	40 CFR Part 60, Subpart K	Not constructed or modified between 06/11/1973 and 05/19/1978
FB-883	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-883	N/A	40 CFR Part 60, Subpart Kb	Maximum true vapor pressure < 3.5 kPa and storage capacity > 151 m^3.
FB-883	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-883	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-889	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and has a TVP less than 1.5 psia

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.

FB-889	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquid
FB-889	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 06/18/1978 and 07/23/1984
FB-889	N/A	40 CFR Part 60, Subpart Kb	Not constructed or modified after 07/23/1984
FB-889	N/A	40 CFR Part 63, Subpart OO	not referenced by another subpart of 40 CFR 60, 61, or 63
FB-892A	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and true vapor pressure of less than 1.5 psia
FB-892A	N/A	40 CFR Part 60, Subpart K	Capacity less than 40,000 gallons
FB-892A	N/A	40 CFR Part 60, Subpart Ka	Capacity less than 40,000 gallons
FB-892A	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
FB-892A	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-892A	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-892A LOAD	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Land based loading and unloading of VOC with a true vapor pressure of less than 0.5 psia
FB-892B	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and true vapor pressure of less than 1.5 psia
FB-892B	N/A	40 CFR Part 60, Subpart K	Not constructed or modified between 06/11/1973 and 05/19/1978
FB-892B	N/A	40 CFR Part 60, Subpart Ka	Capacity less than 40,000 gallons
FB-892B	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
FB-892B	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-892B	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-892C	N/A	40 CFR Part 60, Subpart K	Not constructed or modified between 06/11/1973 and 05/19/1978
FB-892C	N/A	40 CFR Part 60, Subpart Ka	Capacity less than 40,000 gallons
FB-892C	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.

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		
FB-892C	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-892C	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-918	N/A	30 TAC Chapter 115, Storage of VOCs	EFR with true vapor pressure less than 1.0 psia.
FB-918	N/A	40 CFR Part 60, Subpart K	Not constructed or modified between 03/08/1974 and 05/19/1978
FB-918	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/7198 and 07/23/1984
FB-918	N/A	40 CFR Part 60, Subpart Kb	Maximum true vapor pressure < 3.5 kPa and storage capacity > 151 m^3.
FB-918	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-918	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
FB-920	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and stores a compound with a TVP < 1.5 psia.
FB-920	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons.
FB-920	N/A	40 CFR Part 60, Subpart Ka	Capacity < 40,000 gallons.
FB-920	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
FB-920	N/A	40 CFR Part 61, Subpart Y	Does not store benzene.
FB-920	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63.
FB-930	N/A	30 TAC Chapter 115, Storage of VOCs	EFR with true vapor pressure less than 1.0 psia
FB-930	N/A	40 CFR Part 60, Subpart K	Not constructed or modified between 03/08/1974 and 05/19/1978
FB-930	N/A	40 CFR Part 60, Subpart Ka	Not constructed or modified between 05/18/1978 and 07/23/1984.
FB-930	N/A	40 CFR Part 60, Subpart Kb	Maximum true vapor pressure < 3.5 kPa and storage capacity > 151 m^3.

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.

FB-930	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
FB-930	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
G-217	N/A	40 CFR Part 63, Subpart QQ	Not referenced by another subpart of 40 CFR 60, 61 or 63
G-220	N/A	40 CFR Part 63, Subpart QQ	Not referenced by another subpart of 40 CFR 60, 61 or 63
GA809DTK	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and stores a compound with a TVP < 1.5 psia.
GA809DTK	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons.
GA809DTK	N/A	40 CFR Part 60, Subpart Ka	Capacity < 40,000 gallons.
GA809DTK	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
GA809DTK	N/A	40 CFR Part 61, Subpart Y	Does not store benzene.
GA809DTK	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63.
GA912DTK	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and stores a compound with a TVP < 1.5 psia.
GA912DTK	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons.
GA912DTK	N/A	40 CFR Part 60, Subpart Ka	Capacity < 40,000 gallons.
GA912DTK	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
GA912DTK	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
GA912DTK	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63.
GE800DTK	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and stores a compound with a TVP < 1.5 psia.
GE800DTK	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons.
GE800DTK	N/A	40 CFR Part 60, Subpart Ka	Capacity < 40,000 gallons.
GE800DTK	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 m^3.
GE800DTK	N/A	40 CFR Part 61, Subpart Y	Does not store benzene.

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		
GE800DTK	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63.
GRPBOIL600	BF-801A, BF-801B, BF-801C	40 CFR Part 60, Subpart D	Steam generator is fueled with non-fossil fuel.
GRPBOIL600	BF-801A, BF-801B, BF-801C	40 CFR Part 60, Subpart Da	Construction or modification was commenced prior to 09/18/1978
GRPBOIL600	BF-801A, BF-801B, BF-801C	40 CFR Part 60, Subpart Db	Construction or modification was commenced prior to 06/19/1984
GRPBOIL600	BF-801A, BF-801B, BF-801C	40 CFR Part 60, Subpart Dc	Construction or modification was commenced prior to 06/09/1989.
GRPDISTILL	DA-101, DA-102, DA-103, DA-104, DA-201, DA-202, DA-203, DA-204, DA-205, DA-206, DA-207, DA-301, DA-401, DA-403, DA-404, DA-405, DA-406A, DA-406B, DA-407, DA-408, DA-409, DA-450, DA-451, DA-452, DA-453, DA-454, DA-470, DA-475, DA-480, DA-490A, DA-490B, DA-490C, DA-651, DA-652	40 CFR Part 60, Subpart NNN	Not constructed, modified, or reconstructed after 12/30/1983
GRPFURN	BA-101, BA-102, BA-103, BA-104, BA-105, BA-106, BA-107, BA-108, BA-109, BA-110, BA-111, BA-112, BA-113	30 TAC Chapter 112, Sulfur Compounds	Unit is not a liquid fuel fired furnace.
GRPFURN	BA-101, BA-102, BA-103, BA-104, BA-105, BA-106, BA-107, BA-108, BA-109, BA-110, BA-111, BA-112, BA-113	40 CFR Part 60, Subpart III	Facility does not produce any chemicals listed in 60.617.

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		
GRPFURN	BA-101, BA-102, BA-103, BA-104, BA-105, BA-106, BA-107, BA-108, BA-109, BA-110, BA-111, BA-112, BA-113	40 CFR Part 60, Subpart RRR	Constructed before applicability date.
L-103	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Land based loading and unloading of VOC with a true vapor pressure of less than 0.5 psia
L-1592-24	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Land based loading and unloading of VOC with a true vapor pressure of less than 0.5 psia
L-1592-25	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Land based loading and unloading of VOC with a true vapor pressure of less than 0.5 psia
M-103	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and stores a compound with TVP <1.5 psia
M-103	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
M-103	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63
VE-752	N/A	30 TAC Chapter 115, Storage of VOCs	Not an EFR and stores a compound with a TVP < 1.5 psia.
VE-752	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons
VE-752	N/A	40 CFR Part 60, Subpart Ka	Capacity < 40,000 gallons.
VE-752	N/A	40 CFR Part 60, Subpart Kb	Capacity < 75 m^3.
VE-752	N/A	40 CFR Part 61, Subpart Y	Does not store benzene.
VE-752	N/A	40 CFR Part 63, Subpart OO	Not referenced by another subpart of 40 CFR 60, 61, or 63.

New Source Review Authorization References

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.

PSD Permits	**NA Permits**
PSD Permit No.: PSD-TX-748 (02/23/2010)	NA Permit No.: N/A
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.: 1504A (02/23/2010)	Authorization No.: N/A
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
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: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.393	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 03/14/1997
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/01/1999
Number: 106.532	Version No./Date: 09/04/2000
Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum	
Permit No.: N/A	Permit No.: N/A

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
1592-01A	CRACKING FURNACES VENT STACK	1504A
1592-01B	CRACKING FURNACES VENT STACK	1504A
1592-02A	CRACKING FURNACES VENT STACK	1504A
1592-02B	CRACKING FURNACES VENT STACK	1504A
1592-03A	CRACKING FURNACES VENT STACK	1504A
1592-03B	CRACKING FURNACES VENT STACK	1504A
1592-04A	CRACKING FURNACES VENT STACK	1504A
1592-04B	CRACKING FURNACES VENT STACK	1504A
1592-05A	CRACKING FURNACES VENT STACK	1504A
1592-05B	CRACKING FURNACES VENT STACK	1504A
1592-06A	CRACKING FURNACES VENT STACK	1504A
1592-06B	CRACKING FURNACES VENT STACK	1504A
1592-07	CRACKING FURNACE VENT STACK	1504A
1592-10	600# STEAM BOILER STACK	1504A
1592-11	600# STEAM BOILER STACK	1504A
1592-16	CB-701 FLARE VENT HEADER	1504A
1592-18A	CATALYST REGENERATION VENT	1504A
1592-18	CATALYST REGENERATION VENT	1504A
1592-26	FB-706 SPENT CAUSTIC TANK	1504A
1592-38	CRACKING FURNACE VENT STACK	1504A, PSDTX748
1592-40	CB-710 FLARE VENT HEADER	1504A
1592-44	BG-885 TANK (WEST TPS)	1504A
1592-50	OILY WW STORAGE TANK, FB-204	1504A
1592-71	SPENT CAUSTIC SUMP	1504A
1592-72	BUTADIENE FEEDSTOCK PUMP	1504A
1592DG	PARTS WASHER	106.454/11/01/2001
AD-885	COOLING WATER BLOWDOWN AND DEMIN. REGEN.	1504A
AD-886	TREATED SOUR WATER IMPOUNDMENT	1504A
AD-890A	RAW WATER SLUDGE IMPOUNDMENT	1504A

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
AD-890B	RAW WATER SLUDGE IMPOUNDMENT	1504A
AD-890C	RAW WATER SLUDGE IMPOUNDMENT	1504A
ANALYZE DMF	BUILDING DMF PROCESS ANALYZER VENT	106.261/11/01/2003
ANALYZER A	BUILDING A PROCESS ANALYZER VENT	106.261/11/01/2003
ANALYZER B	BUILDING B PROCESS ANALYZER VENT	106.261/11/01/2003
ANALYZER C	BUILDING C PROCESS ANALYZER VENT	106.261/11/01/2003
ANALYZER PP	BUILDING PP PROCESS ANALYZER VENT	106.261/11/01/2003
BA-101	CRACKING HEATER	1504A
BA-102	CRACKING HEATER	1504A
BA-103	CRACKING HEATER	1504A
BA-104	CRACKING HEATER	1504A
BA-105	CRACKING HEATER	1504A
BA-106	CRACKING HEATER	1504A
BA-107	CRACKING HEATER	1504A
BA-108	CRACKING HEATER	1504A
BA-109	CRACKING HEATER	1504A
BA-110	CRACKING HEATER	1504A
BA-111	CRACKING HEATER	1504A
BA-112	CRACKING HEATER	1504A
BA-113	CRACKING HEATER	1504A
BA-117	CRACKING HEATER	1504A, PSDTX748
BA-401	CONVERTER REGENERATION HEATER	1504A
BA-651	RECYCLE HEATER	1504A
BF-801A	600# STEAM BOILER	1504A
BF-801B	600# STEAM BOILER	1504A
BF-801C	600# STEAM BOILER	1504A
CB-701	FLARE	1504A
CB-710	FLARE	1504A
DA-101	GASOLINE FRACTIONATOR	1504A

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
DA-102	HEAVY FUEL OIL LIGHTED STRIPPER	1504A
DA-103	QUENCH TOWER	1504A
DA-104	PROCESS WATER STRIPPER	1504A
DA-201	GASOLINE STRIPPER	1504A
DA-202	CONDENSATE STRIPPER	1504A
DA-203	CAUSTIC WASH TOWER	1504A
DA-204	ACID GAS ABSORBER	1504A
DA-205	AMINE REFRIGERATOR	1504A
DA-206	WASTE CAUSTIC STRIPPER	1504A
DA-207	GASOLINE-AMINE CONTACTOR	1504A
DA-301	DEMETHANIZER	1504A
DA-401	DEETHANIZER	1504A
DA-403	ETHYLENE FRACTIONATOR	1504A
DA-404	DEPROPANIZER	1504A
DA-405	DEBUTANIZER	1504A
DA-406A	PROPYLENE FRACTIONATOR	1504A
DA-406B	PROPYLENE FRACTIONATOR	1504A
DA-407	C3 GREEN OIL TOWER	1504A
DA-408	DEPENTANIZER	1504A
DA-409	C3 STRIPPER	1504A
DA-450	ACETYLENE ABSORBER	1504A
DA-451	ETHYLENE STRIPPER	1504A
DA-452	ACETYLENE STRIPPER	1504A
DA-453	WATER WASH COLUMN	1504A
DA-454	DMF DISTILLATION	1504A
DA-470	CAUSTIC SCRUBBER	1504A
DA-475	WATER SCRUBBER	1504A
DA-480	PP DEETHANIZER	1504A
DA-490A	PROPYLENE FRACTONATOR	1504A

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
DA-490B	PROPYLENE FRACTIONATOR	1504A
DA-490C	PROPYLENE FRACTIONATOR	1504A
DA-651	STABILIZER	1504A
DA-652	RERUN TOWER	1504A
DRAIN01	PROCESS SEWER	1504A
EF-751	COOLING TOWER, 1592	1504A
F-1592-31	ETHYLENE UNIT (EU-1592) PROCESS FUGITIVES	1504A, 106.261/09/04/2000, 106.261/11/01/2003, 106.262/09/04/2000, 106.262/11/01/2003
F-1592-38	BA-117 CRACKING FURNACE PROCESS FUGITIVES	1504A, PSDTX748
F-160	UTILITIES AREA PROCESS FUGITIVES	1504A
FA-916	FLARE KNOCKOUT DRUM	1504A
FB-107	LUBE OIL STORAGE TANK	1504A
FB-204	OILY WW STORAGE TANK, FB-204	1504A
FB-402	METHANOL TANK	1504A
FB-450	DIMETHYL FORMAMIDE TANK	1504A
FB-701	HEAVY AROMATIC DISTILLATE TANK	1504A
FB-702	OILY WASTEWATER TANK	1504A
FB-703	RAW PYROLYSIS GASOLINE TANK	1504A
FB-704A	HYDROGENATED PYROLYSIS GASOLINE (HPG) TANK	1504A, 106.261/09/04/2000, 106.262/09/04/2000
FB-704B	HPG TANK	1504A, 106.261/09/04/2000, 106.262/09/04/2000
FB-705	HEAVY PYROLYSIS OIL TANK	1504A
FB-706	SPENT CAUSTIC TANK	1504A
FB-707	HEAVY SLOP OIL TANK	1504A
FB-710	HEAVY AROMATIC DISTILLATE TANK	1504A
FB-712	LIGHT PYROLYSIS OIL TANK	1504A
FB-872	CATALYST RESIDUE TANK	1504A
FB-874	SLUDGE FEED TANK/SILO	1504A
FB-875	SLUDGE FEED TANK/SILO	1504A
FB-879	SLUDGE FEED TANK/SILO	1504A

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
FB-883	SLUDGE FEED TANK/SILO	1504A
FB-889	OILY WASTEWATER TANK	1504A
FB-892A LOAD	SLOP OIL FROM FB-892A	1504A
FB-892A	SLOP OIL/OIL-WATER EMULSION TANK	1504A
FB-892B	SLOP OIL/OIL-WATER EMULSION TANK	1504A
FB-892C	SLOP OIL/OIL-WATER EMULSION	1504A
FB-918	PROCESS WASTEWATER TANK	1504A, 106.261/11/01/2003
FB-920	DIESEL TANK FOR GA-920 STORM WATER PUMP ENGINE	1504A
FB-930	PROCESS WASTEWATER TANK	1504A
G-217	TREATED SOUR WATER IMPOUNDMENT	46783
G-220	BIOSLUDGE IMPOUNDMENT	106.532/09/04/2000
GA809DTK	DIESEL TANK FOR GA-809 FIREWATER PUMP ENGINE	1504A
GA-809	ENGINE, FIREWATER PUMP	1504A
GA-912A	ENGINE, STORMWATER PUMP	1504A
GA-912B	ENGINE, STORMWATER PUMP	1504A
GA912DTK	DIESEL TANK FOR GA-912 STORM WATER PUMP ENGINES	1504A
GA-920A	ENGINE, STORMWATER PUMP	1504A
GA-920B	ENGINE, STORMWATER PUMP	1504A
GE800DTK	DIESEL TANK FOR GE-800	1504A
GE-800	ENGINE, ELECTRICAL GENERATOR	1504A
GE-930	EMERGENCY GENERATOR FOR SCC	106.511/09/04/2000
INSTRDG1	PARTS WASHER	106.454/11/01/2001
INSTRDG2	PARTS WASHER	106.454/11/01/2001
L-103	HAD LOADING FROM M-103	1504A
L-1592-24	HFO LOADING FROM FB-705	1504A
L-1592-25	LFO LOADING FROM FB-712	1504A
M-103	HEAVY AROMATIC DISTILLATE TANK	1504A
P-111B	ENGINE, FIREWATER PUMP	1504A
PU-752	ENGINE, FIREWATER PUMP	1504A

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
VE-752	DIESEL TANK FOR PU-752 FIREWATER PUMP ENGINE	1504A

Schedule

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
1592-16	R5121-01	VOC	30 TAC §116.115(b)(2)(F)	MAXIMUM ALLOWABLE EMISSION RATES

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
30 TAC §115.725(d)	On-line monitoring of flare flows. pressure, temperature and composition	Chevron Phillips Cedar Bayou Plant

3. Non-compliance Situation Description

Exceeded permitted VOC tons/year limit for CB-701 on a rolling 12 month total

4. Corrective Action Plan Description

Permit amendment submitted and approved. It is predicted CB-701 will be within limits 09/2010. Agreed Order 2010-0607-AIR-E

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Submit permit amendment. Completed 04/23/2009.
2	Permit amendment approval - 02/23/2010
3	EU-1592 Shutdown for turnaround maintenance (addressing items to the flare at this time) - shutdown 03/01/2010, startup 05/20/2010
4	Expected 12 month rolling total will be within permit limits - 09/2010

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	ORDER	N/A

7. Progress Report Submission Schedule	EVERY SIX MONTHS IN CONJUNCTION WITH THE SEMIANNUAL REPORT OF DEVIATIONS FOR THIS PERMIT. THE FIRST

APPENDIX A

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..... Houston/Galveston (nonattainment area)
H_2S .....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
TSP.....total suspended particulate
TVP .....true vapor pressure
U.S.C.....United States Code
VOC. .....Volatile organic compound

APPENDIX B

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Protecting Texas by Reducing and Preventing Pollution

February 23, 2010

MR VAN LONG
PLANT MANAGER
CHEVRON PHILLIPS CHEMICAL COMPANY LP
9500 IH 10 E
BAYTOWN TX 77521-8155

Re: Permit Amendment Application
Permit Number: 1504A
Ethylene Unit 1592
Baytown, Harris County
Regulated Entity Number: RN103919817
Customer Reference Number: CN600303614
Account Number: HG-0310-V

Dear Mr. Long:

This is in response to your letter received April 27, 2009, and your Form PI-1 (General Application for Air Preconstruction Permits and Amendments) concerning the proposed amendment to Permit Number 1504A. We understand that you propose to increase the maximum allowable annual emission rates for Flares CB-701 and CB-710.

As indicated in Title 30 Texas Administrative Code § 116.116(b) and § 116.160 [30 TAC § 116.116(b) and § 116.160], and based on our review, Permit Number 1504A is hereby amended. This information will be incorporated into the existing permit file. Enclosed are revised special conditions pages and a maximum allowable emission rates table to replace those currently attached to your permit. We appreciate your careful review of the special conditions of the permit and assuring that all requirements are consistently met.

No planned maintenance, startup, and shutdown emissions have been reviewed or represented in this application and none are authorized by this permit.

As of July 1, 2008, all analytical data generated by a mobile or stationary laboratory in support of compliance with air permits must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory under the Texas Laboratory Accreditation Program or meet one of several exemptions. Specific information concerning which laboratories must be accredited and which are exempt may be found in 30 TAC § 25.4 and § 25.6.

For additional information regarding the laboratory accreditation program and a list of accredited laboratories and their fields of accreditation, please see the following Web site:

http://www.tceq.state.tx.us/compliance/compliance_support/qa/env_lab_accreditation.html

For questions regarding the accreditation program, you may contact the Texas Laboratory Accreditation Program at (512) 239-3754 or by e-mail at labprgms@tceq.state.tx.us.

You may file a **motion to overturn** with the Chief Clerk. A motion to overturn is a request for the commission to review the executive director's decision. Any motion must explain why the commission should review the executive director's decision. According to 30 TAC § 50.139, an action by the executive director is not affected by a motion to overturn filed under this section unless expressly ordered by the commission.

A motion to overturn must be received by the Chief Clerk within 23 days after the date of this letter. An original and 11 copies of a motion must be filed with the Chief Clerk in person, or by mail to the Chief Clerk's address on the attached mailing list. On the same day the motion is transmitted to the Chief Clerk, please provide copies to the applicant, the executive director's attorney, and the Public Interest Counsel at the addresses listed on the attached mailing list. If a motion to overturn is not acted on by the commission within 45 days after the date of this letter, then the motion shall be deemed overruled.

You may also request **judicial review** of the executive director's approval. According to Texas Health and Safety Code § 382.032, a person affected by the executive director's approval must file a petition appealing the executive director's approval in Travis County district court within 30 days after the effective date of the approval. Even if you request judicial review, you still must exhaust your administrative remedies, which includes filing a motion to overturn in accordance with the previous paragraphs.

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Mr. Guillermo Reyes, P.E., at (512) 239-5716 or write to the Texas Commission on Environmental Quality, Office of Permitting and Registration, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Re: Permit Number 1504A

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Sincerely,

Steve Hagle, P.E., Director
Air Permits Division
Office of Permitting and Registration
Texas Commission on Environmental Quality

SH/GR/dw

Enclosures

cc: Director, Environmental Public Health Division, Harris County Public Health and Environmental Services, Pasadena
Air Section Manager, Region 12 - Houston

Project Number: 146383

SPECIAL CONDITIONS

Permit Numbers 1504A and PSDTX748

EMISSION STANDARDS, FUEL SPECIFICATIONS, AND OPERATIONAL LIMITATIONS

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating conditions specified in this permit. The annual rates are based on any consecutive 12-month period unless otherwise noted. **(10/03)**

2. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the maximum allowable emission rates table (MAERT). Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions, with the exception of the equipment listed below. **(7/04)**

   A. Process Safety Valves, Nos. C4016A and C4016B, from the ethylene stripper;

   B. Two Process Safety Valves, Nos. C313 and C314, from the demethanizer;

   C. Rupture Disk, No. PSE 4027, located on the acetylene product pipeline;

   D. Rupture Disk, No. PSE 4032, located on acetylene flare drum;

   E. Rupture Disk, No. PSE 4067, located on the acetylene/fuel gas discharge flame arrestor vessel FA-467;

   F. Rupture Disks, Nos. PSE 4068A and 4068B, located on the acetylene compressor discharge separator vessels FA-463A and FA-463B;

   G. Rupture Disk, No. PSE 4079, located on the Acetylene Fuel Gas Flame Arrestor Vessel FA-468; and

   H. Rupture Disk, No. PSE 4042, located on the existing acetylene flare flame arrestor vessel FA-456.

3. This permit authorizes emissions from the following listed emission sources for the listed maintenance, startup, and shutdown activities: **(10/03)**

A. Cracking Furnaces, BA-101 through BA-113 and BA-117 - Decoking.

B. Flare CB-701 - maintenance, start-up and shutdown emissions from Ethylene Unit 1592.

C. Vent FG-401 maintenance - catalyst regeneration.

D. Vent FG-652 maintenance - catalyst regeneration.

E. Flare CB-710 maintenance - compressor maintenance and acetylene product excess product disposal.

F. Catalyst Regeneration Heater, BA-401 - catalyst regeneration.

These emissions are subject to the maximum allowable emission rates indicated on the MAERT. Any maintenance, startup, and shutdown activities not in the above list are not authorized by this permit.

4. Emissions of nitrogen oxide (NO_x) from Cracking Furnaces BA-101 through BA-113 shall not exceed 0.025 pound (lb) per MMBtu of heat input on a rolling 12-month period. **(3/06)**

5. Emissions of NO_x from Cracking Furnace BA-117 shall not exceed 0.06 lb/MMBtu of heat input on a rolling 12-month period. **(3/06)**

6. Fuel used in the cracking furnaces will be limited to plant fuel gas or to pipeline-quality, sweet natural gas. Use of any other fuel will require an amendment to the permit. **(10/03)**

7. Following the installation of the selective catalytic reduction systems in Cracking Furnaces BF-101 through BF-113, the allowable ammonia concentration in the stacks of these cracking furnaces shall not exceed 10 parts per million by volume (ppmv) at 3 percent oxygen (O_2) on a dry basis, on a 24-hour averaging period for units equipped with CEMS or PEMS for ammonia. **(3/06)**

8. Emissions of NO_x from Boilers, BF-801A, BF-801B, and BF-801C (Emission Point Nos. [EPNs] 1592-10 and 1592-11), 0.084 lb/MMBtu of heat input on a rolling 12-month period. **(3/06)**

9. The Wet Air Oxidation (WAO) Unit shall be designed and operated so that it limits sulfur and hydrogen sulfide (H_2S) emissions to the fireboxes of Boilers, BF-801 A, B, and C to 20 ppmv and 5 ppmv, respectively. **(10/03)**

10. Opacity of emissions from the 14 Ethylene Cracking Furnaces (EPNs 1592-01A through 1592-07 and 1592-38) shall not exceed 5 percent averaged over a six-minute period, except for those periods described in Title 30 Texas Administrative Code § 111.111(a)(1)(E) [30 TAC § 111.111(a)(1)(E)]. **(3/06)**

11. Flares CB-701 (EPN 1592-16) and CB-710 (EPN 1592-40) shall be designed and operated in accordance with the following requirements:

    A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity under normal, upset, and maintenance flow conditions.

    The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR § 60.18(f) may be requested by the appropriate regional office to demonstrate compliance with these requirements.

    B. The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with, the manufacturer's specifications

    C. The flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. This shall be ensured by the use of steam assist to the flare.

    D. The permit holder shall install a continuous flow monitor and composition analyzer that provide a record of the vent stream flow and composition to the flare. The flow monitor sensor and analyzer sample points shall be installed such that the total vent stream to the flare is measured and analyzed. Readings shall be taken at least once every 15 minutes and the average hourly values of the flow and composition shall be recorded each hour. The monitors shall be calibrated on an annual basis to meet the following accuracy specifications: the flow monitor shall be within plus or minus 5.0%, temperature monitor shall be within plus or minus 2.0% at absolute temperature, and pressure monitor shall be within plus or minus 5.0 mm Hg. Calibration of the analyzer shall follow the procedures

and requirements of Section 10.0 of 40 CFR Part 60, Appendix B, Performance Specification 9, as amended through October 17, 2000 (65 FR 61744), except that the multi-point calibration procedure in Section 10.1 of Performance Specification 9 shall be performed at least once every calendar quarter instead of once every month, and the mid-level calibration check procedure in Section 10.2 of Performance Specification 9 shall be performed at least once every calendar week instead of once every 24 hours. The calibration gases used for calibration procedures shall be in accordance with Section 7.1 of Performance Specification 9. Net heating value of the gas combusted in the flare shall be calculated according to the equation given in 40 CFR § 60.18(f)(3) as amended through October 17, 2000 (65 FR 61744). The monitors and analyzers shall operate as required by this section at least 95% of the time when the flare is operational, averaged over a calendar year. Times required for normal calibration checks are not considered down time to meet the 95% operational rate. Flared gas net heating value and actual exit velocity determined in accordance with 40 CFR § 60.18(f)(4) shall be measured at least once every 15 minutes and must be recorded as a one hour block period average heating value and average exit velocity. Hourly mass emission rates shall be determined and recorded using the above readings and the emission factors used in the permit amendment application, PI-1 dated July 1, 2005. **(3/06)**

E. The following requirements apply to capture systems for the plant flare systems. **(12/09)**

1. Either conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system; or verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21 once a year. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.

2. The control device shall not have a bypass.

   or

   there is a bypass for the control device, comply with either of the following requirements:

   i. Install a flow indicator that records and verifies zero flow at least once every 15 minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

ii. Once a month, inspect the valves, verifying the position of the valves and the condition of the car seals that prevent flow out the bypass.

3. These requirements do not apply to high point vent and low point drain valves. A deviation shall be reported if the monitoring or inspections indicate bypass of the control device when required to be in service per this permit.

4. If any of the above inspections is not satisfactory, the permit holder shall promptly take necessary corrective action. Records shall be maintained documenting the performance and results of the inspections required above.

12. The Butadiene Feedstock Pump (EPN 1592-72) shall vent through a carbon adsorption system (CAS) consisting of at least three activated carbon canisters that are connected in series.

A. The CAS shall be sampled twice per week to determine breakthrough of volatile organic compounds (VOC). The sampling point shall be at the outlet of the first canister but before the inlet to the second canister. Sampling shall be done during operating conditions reflecting maximum emission venting to the CAS.

B. The VOC sampling and analysis shall be performed using an instrument with a flame ionization detector (FID), or a TCEQ-approved alternative detector. The instrument/FID must meet all requirements specified in Section 8.1 of EPA Method 21 (40 CFR 60, Appendix A). Sampling and analysis for VOC breakthrough shall be performed as follows:

1. Immediately prior to performing sampling, the instrument/FID shall be calibrated with zero and span calibration gas mixtures. Zero gas shall be certified to contain less than 0.1 ppmv total hydrocarbons. Span calibration gas shall be methane at a concentration within ± 10 percent of 20 ppmv, and certified by the manufacturer to be ± 2 percent accurate. Calibration error for the zero and span calibration gas checks must be less than ± 5 percent of the span calibration gas value before sampling may be conducted.

2. The sampling point shall be at the outlet of the first canister but before the inlet to the second canister. Sample ports or connections must be designed such that air leakage into the sample port does not occur during sampling.

3. During sampling, data recording shall not begin until after two times the instrument response time. The VOC concentration shall be monitored for at least 5 minutes,

recording 1-minute averages, during operating conditions reflecting maximum emission venting to the CAS.

C. Breakthrough shall be defined as the highest 1 minute average measured VOC concentration at or exceeding 20 ppmv. When the condition of breakthrough of VOC from the first canister occurs, the waste gas flow shall be switched to the second canister and a fresh canister shall be placed as the new (third) polishing canister within 24 hours. Sufficient new activated carbon canisters shall be maintained at the site to replace spent carbon canisters such that replacements can be done in the above specified time frame.

D. Records of the CAS monitoring maintained at the plant site, shall include (but are not limited to) the following:

(1) Sample time and date.
(2) Monitoring results (ppmv).
(3) Corrective action taken including the time and date of that action.
(4) Process operations occurring at the time of sampling.

E. Alternate monitoring or sampling requirements that are equivalent or better may be approved by the TCEQ Regional Manager or the TCEQ Regulatory Compliance Section Manager. Alternate requirements must be approved in writing before they can be used for compliance purposes. **(01/08)**

13. Visual inspection for carbon build up around the stack shall occur once a week. If carbon build up is noticed, it shall be recorded, the CAS shall be shut down, and corrective action shall be taken in accordance with the system maintenance manual. **(01/08)**

INITIAL DETERMINATION OF COMPLIANCE

14. Upon request of the Texas Commission on Environmental Quality (TCEQ) Executive Director, the holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from all of the Cracking Furnaces, BA-101 through BA-113 and BA-117. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. This requirement may be met using the results of the initial demonstration of compliance and relative accuracy test audit (RATA) required by 30 TAC Chapter 117. The holder of this permit shall perform inlet sampling and other testing as required to establish the actual pattern and quantities of air contaminants being routed to the

fireboxes of the Boilers BF-801A, BF-801B, and BF-801C from the WAO Unit. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Results of the testing will be used for estimation of emissions related to operation of the WAO unit and will not be a determination of compliance for operation of the WAO Unit. **(3/06)**

A. The TCEQ Houston Regional Office shall be contacted as soon as testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

(1) Date for pretest meeting.
(2) Date sampling will occur.
(3) Name of firm conducting sampling.
(4) Type of sampling equipment to be used.
(5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

A written proposed description of any deviation from sampling procedures specified in permit conditions or the TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director or the Director of the TCEQ Austin Compliance Support Division shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in B of this condition shall be submitted to the TCEQ Office of Permitting, Remediation, and Registration, Air Permits Division. Test waivers and alternate or equivalent procedure proposals for NSPS testing, which must have the EPA approval, shall be submitted to the TCEQ Austin Compliance Support Division.

B. Air contaminants emitted from the cracking furnaces to be tested for include (but are not limited to) NO_x. The test method for NO_x shall be the EPA Reference Method 7 or an equivalent procedure approved by the TCEQ. Air contaminants in the WAO vent stream to be tested for include (but are not limited to) H_2S, sulfur compounds, and VOC. The test method for H_2S, sulfur compounds, and VOC shall be a procedure approved by the TCEQ.

C. Sampling shall occur within 60 days after initial start-up of the facilities and at such other times as may be required by the TCEQ Executive Director or TCEQ Houston Regional Director. Requests for additional time to perform sampling shall be submitted to the TCEQ Houston Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires the EPA approval, and requests shall be submitted to the TCEQ Austin Compliance Support Division. If previous sampling performed on the oxidizer is approved by the TCEQ Austin Compliance Support Division, the sampling required by this condition shall be waived.

D. The plant shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of production rates shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If these processes are unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved. The WAO Unit will operate at maximum spent caustic processing rates during the testing. Primary operating parameters that enable determination of processing rates shall be monitored and recorded during the test. These parameters are to be determined at the pretest meeting. If the WAO process is unable to operate at maximum rates during testing, then future processing rates may be limited to the rates established during testing. Additional testing may be required when higher processing rates are achieved.

E. Three copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the TCEQ Houston Regional Office
One copy to Harris County Pollution Control Program, Pasadena
One copy to the TCEQ Austin Compliance Support Division

CONTINUOUS DEMONSTRATION OF COMPLIANCE

15. The holder of this permit may install, calibrate, and maintain a predictive emission monitoring system (PEMS) to demonstrate continuous compliance if it can be proven to have the same or better accuracy, precision, reliability, accessibility, and timeliness as that provided by a hardware continuous emission monitoring system (CEMS). The PEMS may be used to

determine the in-stack concentration of NO_x from Cracking Furnaces BA-101 through BA-113, and BA-117. **(10/03)**

A. The PEMS must be based on measured parameters such as (but not limited to) fuel flow and excess combustion air quantity.

B. The PEMS output as lbs of NO_x per hour will be averaged for each hour and for the operating day. These results shall be recorded and maintained at the plant site.

C. The PEMS must comply with the following:

(1) The PEMS must predict NO_x emissions in units of parts per million converted to lbs NO_x per MMBtu and lbs an hour.

(2) Monitor diluent, either O_2 or carbon dioxide (CO_2) using a PEMS.

(3) The PEMS shall meet the requirements of 40 CFR Part 75, Subpart E, except as provided in Paragraphs (4) and (5) of this paragraph.

(4) The owner or operator may vary from 40 CFR Part 75, Subpart E if the owner or operator:

(a) demonstrates to the satisfaction of the TCEQ Executive Director and the EPA that the alternative is substantially equivalent to the requirements of 40 CFR Part 75, Subpart E; or

(b) demonstrates to the satisfaction of the TCEQ Executive Director that the requirement is not applicable.

(5) The owner or operator may substitute the following as an alternative to the test procedure of 40 CFR Part 75, Subpart E for any unit:

(a) Perform the following alternative initial certification tests:

(i) Conduct initial RATA at low, medium, and high levels of the key operating parameter affecting NO_x using 40 CFR Part 60, Appendix B:

(I) Performance Specification 2, Sub-section 4.3 (pertaining to NO_x);

(II) Performance Specification 3, Sub-section 2.3 (pertaining to O_2 or CO_2); and

(ii) Conduct an F-test, a t-test, and a correlation analysis using 40 CFR Part 75, Subpart E at low, medium, and high levels of the key operating parameter affecting NO_x.

(I) Calculations shall be based on a minimum of 30 successive emission data points at each tested level which are either 15-minute, 20-minute, or hourly averages.

(II) The F-test shall be performed separately at each tested level.

(III) The t-test and the correlation analysis shall be performed using all data collected at the three tested levels;

(b) Further demonstrate PEMS accuracy and precision for at least one unit of a category of equipment by performing RATA and statistical testing in accordance with Paragraph (a) of Special Condition No. 15C(5) for each of three successive quarters, beginning:

(i) No sooner than the quarter immediately following initial certification; and

(ii) No later than the first quarter following the final compliance date.

(c) After the final compliance date, perform RATA for each unit:

(i) At normal load operations; and

(ii) Using the Performance Specification 2, Sub-section 4.3 (pertaining to NO_x).

(iii) At the following frequency:

(I) Semiannually; or

(II) Annually, if following the first semiannual RATA, the relative accuracy during the previous audit for each compound monitored

by PEMS is less than or equal to 7.5 percent of the mean value of the reference method test data at normal load operation; or alternatively, for diluent, is no greater than 1.0 percent O_2 or CO_2, for diluent measured by reference method at less than 5 percent by volume.

D. The PEMS downtime summaries shall be submitted to the appropriate TCEQ Regional Director once each calendar quarter. If no downtime periods occur, this shall be so stated in the quarterly summary. Necessary corrective action shall be taken for each PEMS downtime occurrence.

E. Within 60 days after the PEMS is installed on each of the cracking furnaces, a RATA shall be performed. Results of testing shall be submitted to the appropriate TCEQ Regional Office within 60 days after completion of the RATA. A result summary of all criteria testing performed pursuant to 30 TAC Chapter 117 shall be submitted within 60 days after completion of such tests.

F. The appropriate TCEQ Regional Office shall be notified at least 15 days prior to each RATA for the PEMS to provide them the opportunity to observe testing.

G. The holder of this permit shall perform automatic sensor validation at least daily on any PEMS installed under authority of this permit. Data collected during calibration periods will not be used to verify compliance with emission limits specified in Special Condition Nos. 4, 5, 6, and 9. The permittee shall develop and implement plans that will ensure proper functioning of the monitoring systems, ensure proper accuracy and calibration of all operational parameters that affect emissions and serve as input to the PEMS and ensure continuous operation within the certified operating range.

H. The PEMS must provide valid emission predictions at least 95 percent of the time the BA 117 Cracking Furnace is monitored during operation.

I. The PEMS reporting requirements of 30 TAC § 117.219 may be substituted for the reporting requirements if the PEMS is not subject to the requirements of 40 CFR Part 60.

16. As an alternative to Special Condition No. 15 or as directed by the TCEQ Executive Director, the holder of this permit shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentrations of NO_x, CO, and O_2, emissions from Cracking Furnaces BA-101 through BA-113 and BA-117. **(3/06)**

A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Permitting and Registration, Air Permits Division in Austin for requirements to be met.

B. The system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

Each monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, § 5.1.2, with the following exception: a RATA is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

All CGA exceedances of ±15 percent accuracy and any unscheduled CEMS downtime not corrected within 24 hours shall be reported to the TCEQ Regional Director, and necessary corrective action shall be taken. Unscheduled CEMS downtime is any CEMS downtime not required for daily span checks and annual RATA. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.

C. The monitoring data shall be reduced to average hourly concentrations at least once everyday, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable emission rate in tons per year at least once every month. Compliance with the annual allowable contained on the MAERT shall be based on a 12-month rolling average.

D. All monitoring data and quality-assurance data shall be maintained by the source for a period of two years and shall be made available to the TCEQ Executive Director or a representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

E. The appropriate TCEQ Regional Office shall be notified at least 15 days prior to any required RATA in order to provide them the opportunity to observe the testing. **(10/02)**

F. The CEMS reporting requirements of 30 TAC § 117.119 may be substituted for the reporting requirements if the CEMS is not subject to the requirements of 40 CFR Part 60.

17. After the demonstration of initial compliance for the WAO Unit as required by Special Condition No. 14, the permit holder shall on an annual basis monitor the emissions from the WAO Unit to the fireboxes of Boilers BF-801A, BF-801B, and BF-801C. Air contaminants to be monitored for include (but are not limited to) H_2S, sulfur compounds, and VOC. The monitoring method for H_2S, sulfur compounds, VOC shall be a procedure approved by the TCEQ. **(3/06)**

PROCESS FUGITIVE MONITORING

18. Piping, Valves, Connectors, Pumps, and Compressors in VOC Service for EPNs F-160 and 1592-31 - 28VHP **(10/03)**

Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment:

A. These conditions shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure equal to or less than 0.044 lb per square inch, absolute at 68°F or (2) operating pressure is at least 5 kilopascals (0.725 lb per square inch) below ambient pressure. Equipment excluded from this condition shall be identified in a list to be made available upon request.

B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute, American Petroleum Institute, American Society of Mechanical Engineers, or equivalent codes.

C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical.

D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking

during plant operation. Non-accessible valves, as defined by 30 TAC Chapter 115, shall be identified in a list to be made available upon request.

E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. No later than the next scheduled quarterly monitoring after initial installation or replacement, all new or reworked connections shall be gas-tested or hydraulically-tested at no less than normal operating pressure and adjustments made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed.

F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

An approved gas analyzer shall conform to requirements listed in 40 CFR § 60.485(a)-(b).

Replaced components shall be re-monitored within 15 days of being placed back into VOC service.

G. Except as may be provided for in the special conditions of this permit, all pump and compressor seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

H. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump and compressor seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired.

I. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. At the discretion of the TCEQ Executive Director or designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.

J. The results of the required fugitive instrument monitoring and maintenance program shall be made available to the TCEQ Executive Director or designated representative upon request. Records shall indicate appropriate dates, test methods, instrument readings, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of physical inspections are not required unless a leak is detected.

K. Alternative monitoring frequency schedules of 30 TAC §§ 115.352 - 115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items F through G of this condition.

L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable NSPS, or an applicable NEHSAPS and does not constitute approval of alternative standards for these regulations.

19. Flanges in VOC Service for EPNs F-160 and 1592-31 - 28CNTQ **(6/01)**

A. In addition to the weekly physical inspection required by Item E of Special Condition No. 18, all accessible connectors in gas/vapor and light liquid service shall be monitored quarterly with an approved gas analyzer in accordance with Items F through J of Special Condition No. 18.

B. In lieu of the monitoring frequency specified in paragraph A, connectors may be monitored on a semiannual basis if the percent of connectors leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.

Connectors may be monitored on an annual basis if the percent of connectors leaking for two consecutive semiannual monitoring periods is less than 0.5 percent.

If the percent of connectors leaking for any semiannual or annual monitoring period is 0.5 percent or greater, the facility shall revert to quarterly monitoring until the facility again qualifies for the alternative monitoring schedules previously outlined in this paragraph.

C. The percent of connectors leaking used in paragraph B shall be determined using the following formula:

$$(Cl + Cs) \times 100/Ct = Cp$$

Where:

Cl = the number of connectors found leaking by the end of the monitoring period, either by Method 21 or sight, sound, and smell.

Cs = the number of connectors for which repair has been delayed and are listed on the facility shutdown log.

Ct = the total number of connectors in the facility subject to the monitoring requirements as of the last day of the monitoring period, not including nonaccessible and unsafe-to-monitor connectors.

Cp = the percentage of leaking connectors for the monitoring period.

OPERATING LIMITS

20. The VOC associated with cooling tower water shall be monitored monthly with an approved air stripping system or equivalent. The monitoring method in 30 TAC Chapter 115, Subpart H, Division 2 can be used as an acceptable alternative. The appropriate equipment shall be maintained so as to minimize fugitive VOC emissions from the cooling tower. Faulty equipment shall be repaired at the earliest opportunity but no later than the next scheduled shutdown of the process unit in which the leak occurs. The results of the monitoring and maintenance efforts shall be recorded and such records shall be maintained for a period of five years. The records shall be made available to the TCEQ Executive Director upon request. **(3/06)**

RECORDKEEPING

21. The permit holder shall continuously monitor fuel gas flow to Cracking Furnaces BA-101 through BA-113, and BA-117 to provide a means of demonstrating continuous compliance with emissions allowables. Records of the average hourly values of the fuel gas flow shall be recorded. A graphical display of the fuel gas flow rate is an acceptable means of recordkeeping. Fuel gas composition shall be measured and recorded at least once weekly. The record of the average hourly fuel flow and the weekly fuel gas composition measurements shall be maintained for five years and be made available to the TCEQ Executive Director upon request. **(10/03)**

Dated February 23, 2010

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 1504A and PSDTX748

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit. **(12/09)**

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
1592-01A	Cracking Furnace BA-101	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57
1592-01B	Cracking Furnace BA-102	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57
1592-02A	Cracking Furnace BA-103	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
1592-02B	Cracking Furnace BA-104	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57
1592-03A	Cracking Furnace BA-105	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57
1592-03B	Cracking Furnace BA-106	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57
1592-04A	Cracking Furnace BA-107	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
1592-04B	Cracking Furnace BA-108	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57
1592-05A	Cracking Furnace BA-109	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57
1592-05B	Cracking Furnace BA-110	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57
1592-06A	Cracking Furnace BA-111	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.57

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
1592-06B	Cracking Furnace BA-112	CO	20.49	33.76
		CO (5)	73.03	36.52
		NO_x	24.88	20.50
		PM_{10}	1.85	6.11
		PM_{10} (5)	3.50	1.75
		SO_2	0.15	0.48
		VOC	1.34	4.42
		NH_3	1.08	3.75
1592-07	Cracking Furnace BA-113	CO	18.76	32.19
		CO (5)	73.03	36.52
		NO_x	22.78	19.55
		PM_{10}	1.70	5.83
		PM_{10} (5)	3.50	1.75
		SO_2	0.13	0.46
		VOC	1.23	4.22
		NH_3	0.99	3.40
1592-38	Cracking Furnace BA-117	CO	18.43	36.03
		CO (5)	73.03	54.77
		NO_x	13.43	52.51
		PM_{10}	1.67	6.52
		PM_{10} (5)	3.50	2.63
		SO_2	0.13	0.51
		VOC	1.21	4.72
1592-10	Boilers BF-801A and BF-801B	CO	115.73	264.87
		NO_x	118.04	280.63
		PM_{10}	53.41	154.86
		SO_2	336.52	975.78
		VOC	7.58	17.34
1592-11	Boiler BF-801C	CO	57.86	132.44
		NO_x	59.02	140.31
		PM_{10}	26.71	77.43
		SO_2	168.29	488.02
		VOC	3.79	8.67

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
1592-12	Furnace BA-651	CO	4.18	18.31
		NO_x	3.05	8.00
		PM_{10}	0.38	1.66
		SO_2	0.03	0.13
		VOC	0.27	1.20
1592-13	Furnace BA-401	CO	2.68	1.54
		NO_x	3.25	2.25
		PM_{10}	0.24	0.14
		SO_2	0.02	0.01
		VOC	0.18	0.10
1592-16	Flare CB-701	CO	2047.08	56.77
		NO_x	283.42	7.86
		VOC	3144.43	37.07
		SO_2	2.08	0.01
		H_2S	0.02	0.01
1592-16	Flare CB-701 Maintenance	CO	731.14	2.90
		NO_x	101.23	0.40
		VOC	1795.72	5.56
		SO_2	64.92	0.16
		H_2S	0.70	0.01
1592-18	Vent FG-401 Maintenance	CO	35.00	1.68
		NO_x	0.01	0.01
		PM_{10}	0.01	0.01
		VOC	0.01	0.01
1592-18A	Vent FG-652 Maintenance	CO	160.00	15.36
		NO_x	0.01	0.01
		PM_{10}	0.01	0.01
		VOC	0.01	0.01
1592-19	HAD Tank FB-701	VOC	0.20	0.08
1592-20	Wastewater Tank FB-702	VOC	2.17	0.59
1592-21	Methanol Tank FB-402	VOC	26.77	0.18

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
1592-22	HPG Tank FB-704A (6)	VOC	0.33	0.66
1592-22A	HPG Tank FB-704B (6)	VOC	0.33	0.66
1592-24	HPFO Tank FB-705	VOC	11.47	5.73
1592-25	LPFO Tank FB-712	VOC	4.59	2.01
1592-26	Spent Caustic Tank FB-706	VOC	0.13	0.29
1592-27	Slop Oil Tank FB-707	VOC	3.88	0.23
1592-28	HAD Tank FB-710	VOC	3.78	0.26
1592-31	Process Area Fugitives (4) (6)	VOC	12.65	55.39
1592-32	Wastewater Tank FB-862	VOC	0.65	0.72
1592-33A	WW/Slop Oil Emulsion Tank FB-892A	VOC	19.78	0.11
L1592-33A	Loading Slop Oil Tank FB-892A	VOC	4.65	0.15
1592-33B	Slop Oil Tank FB-892B	VOC	0.52	0.41
1592-33C	Slop Oil Tank FB-892C	VOC	0.52	0.41
1592-36A	Tank Compressor Lube Oil	VOC	0.13	0.55
1592-36B	Tank Compressor Lube Oil	VOC	0.43	1.88
1592-40	Flare CB-710	VOC NO_x CO	4.02 0.16 1.16	0.33 0.70 5.06
1592-40	Flare CB-710 Maintenance	VOC NO_x CO	85.09 11.79 85.18	0.65 0.09 0.68

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
1592-41	Cooling Tower EF-751	VOC	6.17	16.83
1592-44	Tank (West TPS) BG-885	VOC	0.15	0.14
1592-45	Tank (East TPS) BG-886	VOC	0.07	0.07
1592-46A	Tank (Biotreater) AD-873A (6)	VOC	1.43	1.34
1592-46B	Tank (Biotreater) AD-873B (6)	VOC	1.43	1.34
L-103	Loading Trucks/Rail-103	VOC	1.45	0.95
L-1592-24	Loading Trucks FB-705	VOC	7.46	4.66
L-1592-25	Loading Trucks FB-712	VOC	3.18	3.70
F-160	Utilities Area Fugitives (4)	VOC	0.31	1.34
90	Tank (HAD)-103	VOC	0.08	0.10
149	Tank (RPG) FB-703 (6)	VOC	1.71	3.77
1592-48	Wastewater Tank FB-918	VOC	1.84	0.53
1592-49	Wastewater Tank FB-930 (6)	VOC	0.67	0.47
1592-50	Wastewater Tank FB-204	VOC	8.04	0.09
1592-51	Wastewater Basin AD-870 (6)	VOC	0.40	1.54
1592-52	Wastewater Basin AD-871	VOC	0.01	0.01
1592-53	Wastewater Basin BG-870A (6)	VOC	0.04	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
1592-54	Wastewater Basin BG-870B (6)	VOC	0.04	0.02
1592-55	Belt Filter (6)	VOC	0.05	0.03
1592-56	Firewater Pump P-111B	VOC	0.26	0.12
		NO_x	3.60	1.58
		CO	1.50	0.66
		SO_2	2.00	0.87
		PM_{10}	0.14	0.06
1592-57	Firewater Pump GA-809	VOC	0.63	0.28
		NO_x	7.91	3.46
		CO	1.70	0.75
		SO_2	0.52	0.23
		PM_{10}	0.56	0.25
1592-58	Electric Generator GE-800	VOC	1.06	0.47
		NO_x	13.33	5.84
		CO	2.87	1.26
		SO_2	0.88	0.39
		PM_{10}	0.95	0.41
1592-59	Firewater Pump PU-752	VOC	0.48	0.21
		NO_x	18.00	7.88
		CO	4.13	1.81
		SO_2	0.30	0.13
		PM_{10}	0.53	0.23
1592-60	Stormwater Pump GA-920A	VOC	0.57	0.25
		NO_x	7.13	3.12
		CO	1.54	0.67
		SO_2	0.47	0.21
		PM_{10}	0.51	0.22

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
1592-61	Stormwater Pump GA-920B	VOC	0.57	0.25
		NO_x	7.13	3.12
		CO	1.54	0.67
		SO_2	0.47	0.21
		PM_{10}	0.51	0.22
1592-62	Stormwater Pump GA-912A	VOC	0.57	0.25
		NO_x	7.13	3.12
		CO	1.54	0.67
		SO_2	0.47	0.21
		PM_{10}	0.51	0.22
1592-63	Stormwater Pump GA-912B	VOC	0.57	0.25
		NO_x	7.13	3.12
		CO	1.54	0.67
		SO_2	0.47	0.21
		PM_{10}	0.51	0.22
1592-64	Lube Oil Tank	VOC	0.06	0.01
1592-65	GA912 DTK Diesel Tank	VOC	0.05	0.01
1592-66	FB-920 Diesel Tank	VOC	0.05	0.01
1592-67	GE800DTK Diesel Tank	VOC	0.05	0.01
1592-68	GE809DTK Diesel Tank	VOC	0.01	0.01
1592-69	VE-752 Diesel Tank	VOC	0.04	0.01
1592-70	Tank No. FB-450	VOC	1.94	0.01
1592-71	Spent Caustic Sump	VOC	1.48	0.17

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
1592-72	Butadiene Feedstock Pump	VOC	0.02	0.02
1592ANAL	Analyzer Vents (6)	VOC	0.06	0.25

(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) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM_{10} - particulate matter (PM) less than or equal to 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
SO_2 - sulfur dioxide
NH_3 - ammonia
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
H_2S - hydrogen sulfide
(4) Fugitive emissions are an estimate only.
(5) Decoking emissions (maintenance)
(6) Portion of these emissions for these facilities were authorized under Permits by Rule (PBR) and incorporated by reference only into this permit. The PBR utilized and emission rates are listed below:

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated February 23, 2010

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

EPN No.	PBR Registration No.	PBR Claimed	Total Portion of Emissions
1592-22	70326	106.261/106.262	0.08 lb/hr
1592-22A	70326	106.261/106.262	0.08 lb/hr
1592-31	54675 54930, 55648 56502 56852 72911 74458 74596 75505 75545 75918	106.261, 106.261/106.262, 106.261/106.262, 106.262, 106.261/106.262, 106.261/106.262, 106.261/106.262, 106.261/106.262, 106.261/106.262, 106.261, 106.261/106.262	0.19 lb/hr and 0.82 TPY
1592-46A, 1592-46B, 1592-51, 1592-53, 1592-54, 1592-55, 1592ANAL	71479	106.261	0.59 lb/hr and 0.31 TPY, 0.59 lb/hr and 0.31 TPY, 0.35 lb/hr and 1.54 TPY, 0.01 lb/hr 0.01 lb/hr 0.02 lb/hr 0.06 lb/hr and 0.25 TPY
149	74458	106.261/106.262	1.02 lb/hr and 1.65 TPY
1542-49	72911	106.261/106.262	0.16 lb/hr

Dated February 23, 2010